

Bypass Oil Filtration Systems & Mounts

AMSOIL GM 6.6L SINGLE-REMOTE BYPASS SYSTEM

Product Code: BMK32-EA

Upgrade your Duramax with advanced bypass filtration for cleaner oil, reduced engine wear, and longer service intervals--save on maintenance.



Product Description

Full-flow oil filters do a reasonable job of catching larger contaminants, but they have a fundamental limitation. They must allow oil to pass quickly enough to maintain adequate flow and pressure, which means smaller wear-causing particles pass right through. In a Duramax diesel, soot contamination is a constant reality. Soot particles are small enough to slip past conventional full-flow media, and once they accumulate in the oil, they accelerate wear on bearings, rings, and cylinder walls. Over tens of thousands of miles, that contamination takes a real toll.

SUPERIOR SMALL-PARTICLE FILTRATION, INCLUDING SOOT REMOVAL

The AMSOIL Ea Bypass Filter works alongside the engine's existing full-flow filter on a partial-flow basis, drawing approximately 10 percent of the oil pump's capacity at any given time. Because it processes a smaller volume of oil per pass, it can use significantly denser filtration media to trap extremely small, wear-causing contaminants that full-flow filters cannot remove. This includes soot particles that are a persistent problem in GM 6.6L Duramax engines. The system typically filters all the oil in the engine several times per hour, so your Duramax is continuously running on clean oil rather than oil that degrades between filter changes.

CONTINUOUS CLEAN OIL CIRCULATION

Most engines spend the majority of their operating life running on oil that is progressively dirtier than the day it was changed. The BMK32 bypass system changes that equation. By constantly cycling oil through the high-efficiency Ea Bypass Filter element, contaminants are removed on an ongoing basis rather than accumulating until the next drain interval. This is especially valuable in Duramax applications where diesel soot loading can push oil past its useful life well before the miles suggest it should. The result is oil that stays analytically clean throughout the service interval.

EXTENDED FILTER SERVICE LIFE

The Ea Bypass Filter elements used in this system offer genuinely long service intervals. The EaBP90 is rated for up to 60,000 miles or 600 hours. The EaBP100 extends that to 70,000 miles or 800 hours. And the EaBP110 reaches 80,000 miles or 1,200 hours. All three carry a maximum calendar limit of 2 years. For Duramax owners who tow regularly, rack up highway miles, or use their trucks in commercial applications, these intervals translate directly into fewer filter changes and lower maintenance costs over the life of the engine.

PURPOSE-BUILT FOR THE GM 6.6L DURAMAX

This is not a universal bypass kit adapted with generic fittings. The BMK32 includes a Duramax-specific aluminum filter adapter (BK1201) and aluminum oil fill cap (BK1202) engineered to integrate with the GM 6.6L oil system. The kit covers 2001 through 2016

model years, spanning the LB7, LLY, LBZ, LMM, and LML generations of the Duramax. All hoses, fittings, mounting hardware, and thread sealant are included. An optional petcock valve kit (BP67, sold separately) allows for clean, uncontaminated oil sampling directly from the bypass system, which is useful for oil analysis programs that track engine health over time.

REDUCED LONG-TERM MAINTENANCE COSTS

Cleaner oil means less abrasive wear on internal engine components. For GM 2500HD and 3500HD owners who depend on their Duramax for towing, hauling, or daily work duty, the cumulative effect of running analytically clean oil is measurable in reduced engine wear and fewer premature component failures. Pairing the BMK32 bypass system with AMSOIL synthetic diesel oil and a disciplined oil analysis program is one of the most effective ways to extend the working life of a high-mileage Duramax.

SPECIFICATIONS AND COMPATIBILITY

The BMK32 system fits 2001 to 2016 GM 6.6L Duramax diesel engines, including Chevrolet Silverado 2500HD, Silverado 3500HD, GMC Sierra 2500HD, and Sierra 3500HD models equipped with the 6.6L Duramax. Compatible Ea Bypass Filter elements include the EaBP90, EaBP100, and EaBP110. The full-flow oil filter must be purchased separately. AMSOIL recommends performing a complete oil and filter change at the time of installation.

SERVICE INTERVALS

Technical Specifications

Filter Element	Mileage	Hours	Time
EaBP90	60,000 miles	600 hours	2 years
EaBP100	70,000 miles	800 hours	2 years
EaBP110	80,000 miles	1,200 hours	2 years

Frequently Asked Questions

Q1: What vehicles is the AMSOIL GM 6.6L Single-Remote Bypass System (BMK32-EA) designed for?

The AMSOIL GM 6.6L Single-Remote Bypass System (BMK32-EA) is designed for 2001 to 2016 GM 6.6L engines. This covers Chevrolet Silverado and GMC Sierra heavy-duty trucks equipped with the Duramax 6.6L diesel engine across multiple generations within that model year range.

Q2: How does the AMSOIL GM 6.6L bypass filtration system protect my Duramax engine better than a standard oil filter?

The AMSOIL Ea Bypass Filter works alongside the engine's full-flow oil filter by operating on a partial-flow basis, drawing approximately 10 percent of the oil pump's capacity at any one time. It traps extremely small, wear-causing contaminants -- including soot -- that full-flow filters cannot remove. Because it filters all the oil in the system several times per hour, the engine continuously receives analytically clean oil, which helps increase engine efficiency and engine life while reducing maintenance costs.

Q3: What are the filter service intervals for the AMSOIL Ea Bypass Filters used in the BMK32 bypass system?

The AMSOIL Ea Bypass Filters offer long service life with intervals depending on the filter element chosen. The EaBP90 is rated for 60,000 miles or 600 hours, the EaBP100 for 70,000 miles or 800 hours, and the EaBP110 for 80,000 miles or 1,200 hours. All three filter options have a maximum time-based interval of 2 years, whichever limit is reached first.

Q4: How does the AMSOIL GM 6.6L bypass system compare to using only a full-flow oil filter on a Duramax diesel?

A full-flow oil filter alone cannot capture the extremely small, wear-causing particles and soot that circulate in diesel engine oil. The AMSOIL GM 6.6L Single-Remote Bypass System supplements the full-flow filter by continuously drawing and filtering approximately 10 percent of the oil pump's capacity, trapping those ultra-fine contaminants. This means the engine constantly runs on analytically clean oil, providing superior small-particle filtration, increased filtration capacity, and extended oil and engine life compared to relying on a full-flow filter alone.

Q5: How often should I change the bypass filter in the AMSOIL BMK32 system for a GM 6.6L Duramax?

Filter change intervals depend on which Ea Bypass Filter element you use. The EaBP90 should be changed at 60,000 miles or 600 hours, the EaBP100 at 70,000 miles or 800 hours, and the EaBP110 at 80,000 miles or 1,200 hours. In all cases, the filter should not exceed 2 years of service regardless of mileage or hours. Do not exceed the limits specified for each filter element.

Q6: Is the AMSOIL GM 6.6L Single-Remote Bypass System compatible with the existing full-flow oil filter on my truck?

Yes, the AMSOIL GM 6.6L Single-Remote Bypass System is designed to work in conjunction with the engine's existing full-flow oil filter, not replace it. The bypass filter operates on a partial-flow basis alongside the full-flow filter, providing an additional layer of filtration that captures the ultra-fine contaminants the full-flow filter cannot remove. Multiple oil filter options are available for the system -- refer to the table on the product detail page for compatible filter choices.

Available Product Codes

Product Code	Package Size	Unit of Measure
BMK32-EA	1 System	Each

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