

Cat® Diesel Particulate Filter Retrofit Kit for School Buses



For Cat® Diesel Engines and Other Brands

Tough new emission standards have school districts across the country reviewing the compliance of their bus fleets. New buses can certainly take care of non-compliance, but that's a costly solution. Fortunately, many districts and school bus owners can take advantage of a more cost-effective option: the Cat® Diesel Particulate Filter Retrofit Kit.

Cat Diesel Particulate Filter Retrofit Kits typically reduce hydrocarbons, carbon monoxide and particulate matter up to 90 percent. They are created specifically for diesel engines typically found in school buses, and they feature proven technology used in school bus fleets nationwide.

Caterpillar. The difference counts.™

Cat® Dealers define world-class product support. We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

CATERPILLAR®

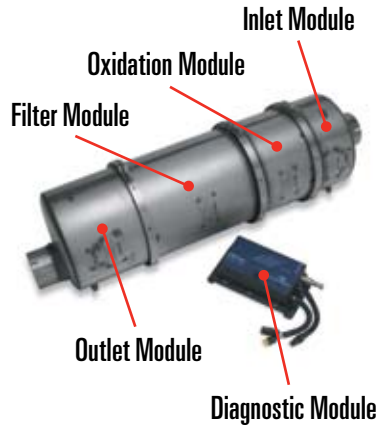
Cat[®] Diesel Particulate Filter Retrofit Kit For School Buses

Easy to Specify

A complete retrofit kit consists of a Filter Assembly, a Diagnostic Module and an Installation Kit. The Installation Kit is used to install the Diagnostic Module and includes related connections.

Economical Design

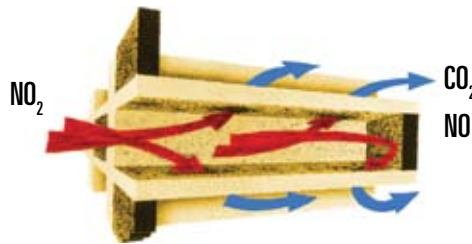
Diesel Particulate Filter Retrofit Kits feature a modular design. Should any part of the assembly fail, only the problem part needs to be repaired, which reduces your maintenance expense.



How It Works

A series of alternately blocked channels forces exhaust gases to flow through the channel walls, where particulates are physically captured and chemical reactions take place. Carbon monoxide and hydrocarbons are converted into carbon dioxide and water.

Backpressure is reduced through a process of passive regeneration that automatically removes excess particulate matter.



Easy to Maintain

As a passive emissions control system, diesel particulate filters do not require heat from a remote source. Instead, they continually regenerate by oxidizing soot (particulate matter) on the filter surface. The residual ash builds up over time, but maintenance is simple. Just clean the filter element every 60,000 miles or as indicated by the diagnostic module.

The particulate filter reduces emissions and produces cleaner air for our environment. Use of ultra-low sulfur diesel fuel is required, and engine oil consumption must be less than 1 quart per 1,000 miles. We can help you determine whether your fleet meets other filter requirements, including exhaust temperature, ratio of oxides of nitrogen to particulate matter, and engine backpressure.

Highly compatible

The Cat Diesel Particulate Filter Retrofit Kit is designed for most school buses in service today. However, the retrofit kit cannot be installed in buses with exhaust profiles not sufficient for proper filter performance, or engines manufactured prior to 1994. Your local Cat Dealer can tell you whether your bus falls into any of these categories.

Warranty

Caterpillar warrants diesel particulate filters used in medium heavy-duty engines for 5 years or 100,000 miles. Existing engine warranties are not affected by the filter installation provided the bus meets compatibility requirements.

More peace of mind

You have plenty of issues to deal with on a daily basis. Let us help you solve your emissions compliance challenges. We can help you resolve your environmental issues and keep your bus fleet performing economically.

Caterpillar aftertreatment technologies range from relatively simple particulate filters to complete repower solutions. For more information about emissions retrofitting and superior product support, call or visit us today. You will also find information on the Caterpillar website at www.cat.com/emissionsolutions.

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