DIESEL PARTICULATE FILTER
MAXIMUM ENGINE PERFORMANCE, LONGER MAINTENANCE INTERVALS AND REDUCED DOWNTIME

The job of your Diesel Particulate Filter (DPF) is to capture and burn off the ash in the engine's exhaust. Over time, the DPF will accumulate ash, creating engine back-pressure. If left unchecked, the accumulated ash will reduce the performance of your engine and pose a serious threat to your entire aftertreatment system. Avoid costly repairs by having your DPF replaced at an authorized Detroit™ service outlet.

DPF MAINTENANCE INTERVALS

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<tbody>
<tr>
<td>DD Series</td>
<td>300,000 mi.</td>
<td>Varies based upon fuel consumption</td>
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<tr>
<td>Series 60™</td>
<td>550,000 mi.</td>
<td>-</td>
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<tr>
<td>MBE 4000</td>
<td>450,000 mi.</td>
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* Mileage intervals subject to change.

REDUCE DOWNTIME: JUST STOP, SWAP AND GO

When your DPF needs cleaning, just stop into any authorized Detroit service outlet and ask about a remanufactured Detroit™ genuine parts DPF. Instead of waiting for hours for your DPF to be cleaned, we'll quickly exchange your unit for an already-cleaned, remanufactured DPF, getting you back out on the road faster – just stop, swap and go.

STANDARD WARRANTY

Every remanufactured Detroit genuine parts DPF is backed by a 1-year/unlimited-mile warranty serviceable at over 800 locations nationwide. In fact, Detroit genuine parts DPFs are the only replacement DPFs that are OEM warranty-approved for Detroit engines. Detroit will not cover damages that result from using a non-authorized DPF cleaning process.
Not All DPF Cleaning Techniques Are Created Equal

Aftermarket cleaning methods leave harmful ash residue in the filter, potentially leading to aftertreatment system damage, increased downtime and additional maintenance costs. Only remanufactured Detroit genuine parts DPFs utilize a proprietary cleaning process to remove over 95% of the ash from your DPF. It’s the only DPF cleaning process you can trust.

AFTERMARKET DPF CLEANING (BAKE & BLOW, ETC.)

In most aftermarket cleaning processes, compressed air is blown directly into the DPF substrate to remove loose ash and is sometimes combined with a thermal “baking” process to burn off hydrocarbons contaminating the filter. Tests conducted by Detroit have shown that these aftermarket cleaning processes cannot adequately remove the accumulated ash from the DPF.

In fact, repeated use of these methods results in compacted pockets of ash remaining in the DPF, making the filter less effective over time. These ash pockets can create dangerous hot spots that can crack the filter substrate and ruin the DPF while in operation.

PROPRIETARY DETROIT PROCESS (LIQUID CLEANING)

Our proprietary cleaning method uses air and thermal cleaning combined with a specialized water treatment that removes the accumulated ash. Where standard treatment processes only remove 30-60% of the ash in the DPF, the Detroit process in combination with water-tolerant matting removes an industry-leading 95% of the buildup. That means more efficient operation and less frequent cleanings. Furthermore, each filter is tested so you’ll get the same quality no matter which Detroit authorized service outlet you visit.

HOW IT WORKS:

1. **STEP 1: THERMAL HEATING**
   - Filter is heated to remove the remaining ash.

2. **STEP 2: BLOW OUT**
   - Ash is blown out of the filter in a defined pattern to maximize coverage.

3. **STEP 3: AQUEOUS SOLUTION**
   - Filter is washed with a cleaning solution that removes the remaining ash.

4. **STEP 4: TESTING**
   - Each unit is tested for performance and efficiency.

THE CENTER OF THE FILTER EXPANDS WHEN HEATING

Highlighted areas indicate dangerous hot spots inside the filter.
DPF CLEANSING METHOD DATA

<table>
<thead>
<tr>
<th>Cleaning Type</th>
<th>AFTERMARKET CLEANING</th>
<th>DETROIT CLEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ash Removed from DPF</td>
<td>30-60% depending on service history</td>
<td>Over 95%</td>
</tr>
<tr>
<td>Environmental Impact</td>
<td>Unknown</td>
<td>Environmentally friendly process</td>
</tr>
<tr>
<td>Service Time</td>
<td>4-12 hours</td>
<td>1-3 hours</td>
</tr>
<tr>
<td>Cleaning Interval*</td>
<td>Reduced by 100,000-200,000 miles after first clean</td>
<td>Every 300,000-500,000 miles</td>
</tr>
<tr>
<td>Filter Testing</td>
<td>Testing not guaranteed</td>
<td>Each filter is tested to OE specifications</td>
</tr>
<tr>
<td>Meets Detroit Warranty Requirements</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

* Mileage interval subject to change based on application or fuel consumption.

INTERNAL ASH BUILDUP

ALTERNATE DPF CLEANING METHOD

Darker colors indicate ash buildup.

PROPRIETARY DETROIT PROCESS

Lighter colors indicate a cleaner filter.

DOES YOUR DPF MAKE THE CUT?

WATER-TOLERANT MATTING

Allows the highest cleaning efficiency in the industry with over 95% of ash removed.

Cutaway view shown.
CONSISTENT SERVICE INTERVALS
Aftermarket cleaning does not adequately remove accumulated ash. This ash becomes increasingly compacted each time the filter is cleaned, leading to more frequent cleanings every 100,000-200,000 miles. With a Detroit remanufactured DPF, you get a cleaned unit that lasts 300,000-500,000 miles every time.*

DECREASED DOWNTIME
Just stop, swap and go. You can have a clean filter installed in a little over an hour, far faster than other aftermarket cleaning methods. When considering the repair time and the service intervals, the downtime really adds up: With a Detroit genuine parts DPF, you’ll have about 1-3 hours of downtime every 300,000-500,000 miles.* With other aftermarket cleaned DPFs, you can expect 4-12 hours of downtime every 100,000-200,000 miles.

MITIGATE FILTER FAILURE
Most cleaning processes don’t detect defects in the filter, which means that a faulty unit could be going right back into your truck. You won’t know there’s a problem until it’s too late. With a Detroit genuine parts DPF, each filter is thoroughly inspected and tested during the cleaning process to ensure you’re getting the quality you expect from Detroit, while meeting emission standards.

REAL COST OF OWNERSHIP
While aftermarket cleaning processes may cost less up front, a combination of shorter service intervals, longer downtime and higher risk of failure will result in paying more in the long term. Over the entire life of your truck, your real cost of ownership (in time and money) is less when using a Detroit genuine parts DPF. Ask your authorized Detroit service location to review the DPF calculator to help analyze your specific DPF maintenance costs and help choose the best solution for your situation.

CUT UNEXPECTED REPAIR COSTS
If a DPF fails during operation, contaminants can pass downstream and damage other aftertreatment components. If this occurs, the entire aftertreatment system must be replaced, leading to major repair costs and increased downtime.

* Intervals dependent on engine application.
DETROIT SUPPORT. ANYWHERE.

- SERVICE AT HUNDREDS OF DETROIT AUTHORIZED SERVICE LOCATIONS
- REPAIRS PERFORMED BY CERTIFIED TECHNICIANS
- UNMATCHED AVAILABILITY OF DETROIT GENUINE PARTS
- COVERAGE THROUGHOUT U.S. AND CANADA