



## Diesel Particulate Filters

Refer to the authorized original equipment service manual for detailed installation instructions. If you do not have the experience, proper tools or manuals, please seek the services of a qualified technician.



Replacement  
TIME:

1.5 hrs

### COMMON SYMPTOMS

- Engine management light illuminated
- Catalyst saturation warning on vehicle information center
- Warning chime heard in passenger compartment
- Fault codes stored
- Reduced vehicle performance
- Reduced fuel economy
- Poor throttle response
- Difficulty starting or failure to start
- Failed emissions test
- Limp mode may be actuated

### MYTH BUSTER

**Myth:** Removal of a blocked DPF will eliminate the drivability issues and increase performance.

**Busted:** It's true, that removal of a blocked DPF will eliminate the drivability issues, however, the exhaust routing may need extensive modification and the increase in performance would only be possible with a remap or tuning of the powertrain control module. Removal of a DPF may be illegal based on local emissions laws and will cause more environmental damage.



SKILL  
LEVEL:

Service Technician

B

or higher

### TIPS

- Before installing a CARDONE diesel particulate filter (DPF), ensure that you're in compliance with all federal, state and local emissions control laws and regulations.
- Operating a vehicle with modifications to the exhaust system may result in elevated exhaust gas temperatures, which may burn anyone who comes into contact with the exhaust gas.
- When initiating manual regeneration of the DPF, keep in mind that the vehicle should be on the ground in an area where the tailpipe is far from people, obstructions, foreign material or other items. Manual regeneration causes the exhaust gas to reach extreme temperatures which could lead to injury or property damage.
- On vehicles with an oxidation catalytic converter (OC) and DPF, only use ultra-low sulfur diesel fuel. Using fuel with high sulfur content can damage the catalyst in this configuration.
- Operating a vehicle with an engine that is misfiring or experiencing a power loss or other unusual operating conditions, such as engine overheating, backfiring or an overly rich fuel air mixture can cause the exhaust to reach extremely high temperatures. This excessive temperature can cause the DPF substrate to sinter, potentially damaging the DPF and causing oxidation catalytic converter.

### BEST MAINTENANCE PRACTICES

- Air, fuel and oil filters must be replaced at specified intervals as stated by the O.E. service manual.
- Monitor fuel and oil consumption. Excessive consumption could indicate an issue with the DPF.
- Ensure correct fuel type is being used.
- Perform periodic inspections of the exhaust. Repair any leaks.
- Perform engine valve train adjustments at specified intervals as stated by the O.E. service manual.

GOT QUESTIONS ABOUT THIS PART?  
CALL 888-280-8324

Monday-Friday