



## OEM Replacement DPF



## OWNER'S MANUAL



**Manufactured and Designed  
in the USA**

Thank you for choosing the Skyline diesel particulate filter (“DPF”) as a replacement for your OEM DPF. The Skyline DPF has been designed and engineered to provide an exact match, in both performance and fit, to the unit originally furnished on your vehicle. If properly installed and maintained, your Skyline DPF, in conjunction with your vehicle’s emissions control system, will continue to provide trouble-free operation and achieve the same emissions reductions as the original equipment. Compliance with the directions in this manual will help to ensure that your new Skyline DPF performs at its maximum level.

Please read this entire document before attempting to install the Skyline DPF.

## General Information

### Cautions

- **The Skyline DPF is not approved for sale, installation or use in California!**
- **Importance of Engine Maintenance.** Proper engine maintenance is critical for the proper functioning of the Skyline DPF. Failure to perform and document proper engine maintenance while a Skyline DPF is installed, including oil consumption records, may be grounds for denial of a warranty claim for a failed DPF.
- **Importance of maintaining the Skyline DPF.** The Skyline DPF requires the same maintenance / cleaning as the original DPF. Only OEM approved DPF cleaning methods should be used. Note that frequent ash cleaning will extend the life of your DPF. Failure to perform and document proper cleaning / ash removal of the Skyline DPF and replacement of broken / failed parts may be grounds for denial of a warranty claim for a failed Skyline DPF.
- **Choose the correct Skyline DPF for your engine.** Confirm that you have entered the correct OEM part number when you ordered the Skyline DPF and the part number you have received matches your order. If it does not match, you most likely do not have the correct part. Contact a Skyline Emissions representative.

Read and understand all of the safety warnings found below, and throughout this manual, before installing the Skyline DPF.

## Safety Warnings

- Always follow all applicable industrial safety requirements.
- Improper practices, carelessness, or ignoring warnings can cause burns, cuts, mutilation, asphyxiation, electrical shock or other personal injury, or death.
- Work in an area surrounding the product that is dry, well lit, ventilated, and free from clutter, loose tools, parts, ignition sources and hazardous substances.
- Exhaust aftertreatment systems can remain hot for several hours after the engine has been shut down. Allow the DPF time to cool down before attempting to service it. Use insulated gloves when necessary.
- The contents of a used DPF are identified as hazardous materials. Care should be taken to collect material coming out of the used filter, and should be disposed of according to local regulations. Always wear appropriate protective equipment (i.e. glasses, shoes, gloves, etc.) when working with a used DPF

## Installation Procedures

### Pre-Installation

It is important that your vehicle and engine are maintained per manufacturer guidelines to ensure that the Skyline DPF operates as designed and does not plug prematurely. The following checklist should be used when inspecting the engine and exhaust system prior to installation of the Skyline DPF. Make any necessary repairs before you install the DPF on your vehicle. Your warranty may be void if damage to the Skyline DPF is the result of an improperly maintained engine.

- Confirm that engine and components are in good operating condition.
- Confirm there are no engine warning lights or alarms.
- Confirm that the downstream side of the DOC is not damaged.

- Confirm that the engine does not consume coolant and there are no traces of coolant in the exhaust system upstream of the DPF.
- Confirm that the air filter is in good condition and its restriction is within specification.
- Confirm engine oil usage is in compliance with engine OEM standards.
- Confirm fuel consumption is in compliance with engine OEM standards.
- Inspect exhaust plume for signs of high PM emissions and oil burning.
- Make sure exhaust system leaks are repaired.

## DPF Removal

Emission control systems and diesel particulate filters vary among the OEM manufacturers, therefore the steps required for removal of the existing DPF and installation of the new Skyline DPF will not always be the same. Refer to the appropriate OEM manuals and/or service alerts, for your vehicle, for the proper procedures on the removal and installation of the DPF.



**Warning: Severe injuries can result from touching hot exhaust components. DPFs will remain hot several hours after engine shut down. Allow parts to cool down before beginning service.**

1. Properly support the installed DPF before removing clamps.
2. Loosen exhaust system supports and clamps as necessary.
3. Disconnect all electronic components from the DPF as necessary.
4. Loosen and remove the clamps that secure the DPF to the exhaust pipe.
5. Remove the existing DPF.
6. Remove and discard the gaskets between DPF and the DPF mating flanges.

## Skyline DPF Installation

1. Check the condition of the clamps. Replace clamps if necessary.
2. Check the condition of the exhaust system mating flanges. Repair as required.
3. Clean any foreign material from the DPF mating flanges.
4. Install the new Skyline-supplied gaskets.
5. Position the Skyline DPF and attach clamps.
6. Tighten the clamp to proper torque value per OEM installation instructions.
7. Reattach electronic components to the Skyline DPF as required.
8. Ensure that hoses and wires have adequate distance from hot exhaust system surfaces.
9. Start and idle the engine, then check for exhaust leaks.
10. If required by the OEM procedures, obtain a download from the engine's ECU. Check for warnings and errors. Correct any faults and reset aftertreatment device parameters if applicable, according to OEM procedures.
11. Install the Skyline product sticker to the driver's side door jamb.
12. Register the warranty information online at:  
<http://www.skylineemissions.com/pages/warranty-registration>  
from your mobile device or computer. Or, fill out and mail the Skyline-supplied warranty card.

## Maintenance

### DPF Cleaning

Periodic cleaning of the Skyline DPF is required to ensure DPF longevity and functionality in addition to maintaining your fuel economy and peak engine performance.

1. The material (soot, ash, etc.) collected by the DPF is considered hazardous by the EPA, and should be captured and disposed of in compliance with appropriate regulations and/or environmental laws.

2. Refer to the OEM guidelines for DPF cleaning schedules.
3. DPF cleaning should be done with commercially available DPF cleaning machines that are approved by the OEM.
4. Do not use a power washer or any water-based methods to clean a DPF.

It is the owner/operator's responsibility to maintain a detailed record of all maintenance performed on the Skyline DPF (at minimum, the date and service provider)

## **Warranty Information**

Skyline Emission Inc., ("Skyline") warrants the Skyline DPF ('Product') to be free from defects in material or workmanship for a period of 2 years/unlimited mileage. Skyline will only warrant the Product if conditions as determined in the Product's Owner's Manual are adhered to. Skyline warranty will not apply if Product replacement is required because of accident, neglect, misuse, transportation or other causes outside of Skyline's control. All regular freight shipping costs will be paid by Skyline unless the Product is found upon inspection by Skyline not to be eligible for replacement under this warranty, in which case you shall be responsible for the shipping costs. Expedited freight charges shall be your sole responsibility. The foregoing warranty is in lieu of all other warranties, express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. ("Skyline Product Warranty").

Skyline will not be liable for any loss, damage, or expense, including injury or damage to business, earnings, profits or goodwill suffered by you or any person, caused directly or indirectly by the improper product installation or maintenance service by you or any person, and/or vehicle or product accident, neglect, misuse, non-Skyline approved replacement parts, component swapping, improper use of alternative fuels or fuel additives, transportation or other causes outside of Skyline's control pursuant to the Product's Owner's Manual; and in no event will Skyline be liable for any damages, however caused and on any theory of liability, for any costs of procurement of substitute goods, for any consequential, special, indirect or incidental damages, or for penalties suffered by you or any person due to improper Product installation or maintenance service by you or any person, and/or vehicle or Product accident, neglect, misuse, non-OEM replacement parts, component swapping,

improper use of alternative fuels or fuel additives, transportation or other causes outside of Skyline's control pursuant to the Product's Owner's Manual, even if Skyline will have been advised of the possibility of same. This limitation is intended to limit the liability of Skyline and will apply notwithstanding any failure of essential purpose of any limited remedy.

Components that are subject to regular usage wear and tear are not covered under the standard Skyline Product Warranty; these components include but are not limited to gaskets, flanges, cones and clamps.

Before using the Skyline DPF, you shall determine the suitability of such DPF for its intended use. The Skyline DPF may void the Original Equipment Manufacturer's warranty.

The DPF must be registered on Skyline's online warranty registration system at <http://www.skylineemissions.com/pages/warranty-registration> or by using Skyline's warranty registration card.

**WARNING REGARDING EMISSIONS LAWS:** It is your responsibility to make sure the vehicle complies with all federal, state and local emissions laws. Federal and many state laws prohibit tampering with or installation of a defeat device that results in emission failures or excess emissions above an applicable standard. **WARNING REGARDING CALIFORNIA:** This Product is not legal for sale and use on vehicles in California. This Product may not be distributed, sold, offered for sale, or advertised in or into the State of California—or be installed into any vehicles that are used in California and are certified as emission-compliant by the California Air Resources Board (CARB). CARB has not issued any Executive Orders or exemptions for this product. (See Cal. Veh. Code §§ 27156, 38395 and Cal. Code Regs. tit. 13, § 2222(h) and the prohibitions of Cal. Veh. Code §§ 27156 and 38391). Distributing, installing, selling, offering for sale, or advertising this Product in or into the State of California may subject you to a penalty of up to \$5,000 per violation under Cal. Health & Safety Code § 43154. All civil penalties and fines for tampering with a vehicle's emissions equipment are the sole responsibility of the user of the Product.

## Contact Information

### **Skyline Emissions, Inc.**

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Warranty contact:

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Warranty Web Registration:

<http://www.skylineemissions.com/pages/warranty-registration>

Learn more at

[www.SkylineEmissions.com](http://www.SkylineEmissions.com)

