

ENGINE, ENGINE MOUNTING AND EQUIPMENT

Particle filter

Renault Trucks offer

The Renault Trucks particulate filter (DPF) plays an essential role since it meets the EURO VI regulatory requirements setting the emission limits of pollutants for rolling vehicles.

The Reman DPF is the good alternative for a quality product at a competitive price, refurbished in Renault Trucks factories.

Key arguments

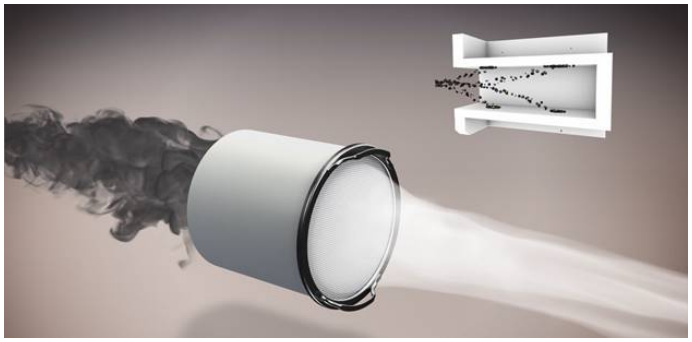
A powerful product

- Up to 99% of particles filtered.
- Significant reduction in pollutant emissions.
- Filter supplied with its fasteners and new gaskets.

Thanks to its high-quality ceramic design, the Renault Trucks filter can collect up to 99% of the harmful particles emitted by diesel engines.

It also ensures healthier air by greatly reducing pollutant emissions (nitrogen oxides and carbon monoxides).

A good poorly attached component is useless ... This is why our filter is delivered with all the parts that need to be replaced (clamps and gaskets).



Because waiting is loosing money!

- Reduced downtime.
- Maintenance plan that tells you when maintenance needs to be done.
- Up to € 500 in fuel saved per year by respecting maintenance intervals.

We know that a stopped truck is a problem for your customers.

The expertise of our engineers has enabled us to define a precise interval for the maintenance of the particulate filter. By respecting this interval, your customer will avoid costly overconsumption of fuel (from € 400 to € 500 for a Renault Trucks T traveling 120,000 km per year), a loss of engine power limiting the mobility of his truck as well as risks relating to the vehicle.

Renault Trucks maintenance management tools will allow you to easily plan the change of the particulate filter and ensure effective follow-up with your customers.

A solution that protects your customer's truck

- The only reliable solution validated by the Renault Trucks design office.
- Rigorous renovation specifications offering the same performance as a new DPF.
- Real expertise: 15,000 DPF renovated per year.

The Remanufactured method, validated by numerous tests, preserves the integrity of the component, and allows it to return to its original performance. Other methods (such as cleaning with water or with additives) can have irreversible consequences for your filter and generate significant additional costs for your customer.

Here are the 12 key stages of the Renault trucks renovation process carried out in our factory in Limoges:
1. Inspection of the filter before cleaning
2. Measurement of the clogging rate before cleaning
3. High pressure air blowing to remove mixed ash and soot
4. Back pressure test to measure the blowing efficiency
5. Ultrasound test to validate the absence of cracks (avoiding a possible future mission stoppage for your customers)
6. Total regeneration (burning of soot in ovens at 600 ° C)
7. New blowing to remove remaining residues
8. Measurement of the clogging rate after cleaning
9. Clogging rate measurement after cleaning
10. Add corrosion protection
11. Cleaning the outer casing
12. Provision of new clamps and gaskets

An environmentally conscious renovation process

- Reduced environmental impact.
- Secure waste treatment.

The Renault Trucks Reman particulate filter renovation process limits the environmental impact. First, during production: renovating a filter consumes only 10% of the energy required to produce a new one. During the life of the truck then, by filtering 99% of particles and reducing oxides from the exhaust gases. Finally, when it must be recycled, our factories take care of everything and secure the treatment of this hazardous waste.

Customer benefits

Quality

- Optimal performance, guaranteed by strict specifications.
- Mission stops avoided thanks to a renovation process which detects cracks during formation.

The Reman particulate filters are renovated in our Limoges plant according to specifications and a precise industrial process to guarantee the same level of performance as a new filter. To date, the group refurbishes more than 15,000 DPFs per year and benefits from real know-how. 100% of DPFs are checked and validated before delivery.

As the filter is a component subject to very high thermal and vibratory stresses, cracks in formation are checked. If small cracks are detected, the filter is discarded to prevent your customers from a future mission stoppage.

Serenity

- A 2-year warranty (parts, labor, repair and towing*).
- All the parts you need to ensure a quality repair (filter, new gaskets and new clamps).
- A safe operation for you

**depending on local conditions*

A Reman DPF benefits from the same warranty as a new original part: 2 years parts and labor (subject to assembly by an approved technician).

Renault Trucks supplies the Reman particle filter with new clamps and gaskets for quality maintenance. It is necessary to change these parts at each maintenance for a good performance of the assembly over time.

Used DPF is a component containing dangerous particles. Its replacement requires special protective equipment for operators as well as specific packaging to prevent particle leakage during its return. Our network of professionals takes care of everything to protect the safety of your customers.

Savings

- Excellent value.
- Reduced vehicle downtime thanks to timely maintenance planning and quick filter replacement.
- Up to € 500 in fuel saved per year by respecting maintenance intervals.

The Reman particle filter has been designed to save money over the life of the truck.

Workshop managers have a maintenance management tool to plan maintenance at the most suitable time for your customers. To avoid unnecessary downtimes, but also the additional costs caused by overconsumption of diesel (from € 400 to € 500 for a Renault Trucks T traveling 120,000 km per year if maintenance is delayed by one year) and the risk of loss of engine power limiting the mobility of the truck.

We know that a immobilized truck is a problem for your customers. This is why our engineers have designed a filter that is easy and quick to change. By choosing the Reman DPF solution, your customers reduce their truck's downtime as much as possible.