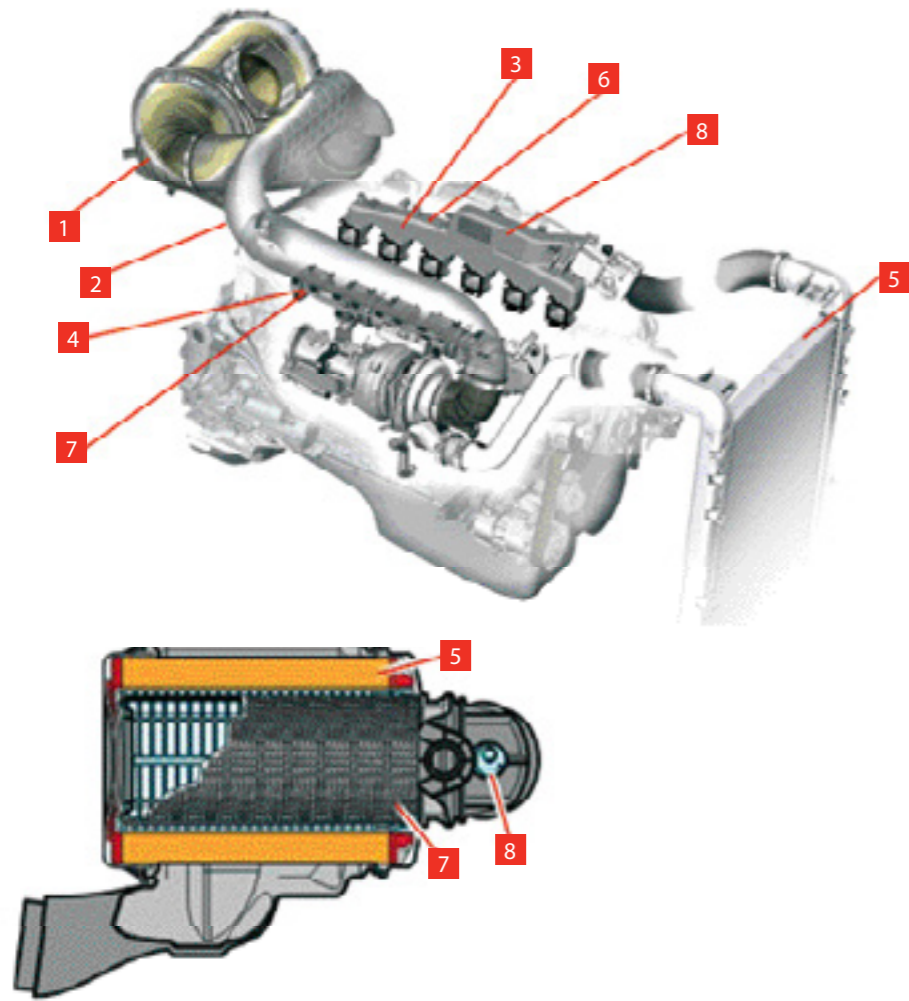


AIR FILTER COMPONENTS



THE AIR FILTER CONSISTS OF THE FOLLOWING COMPONENTS:

- 1 Air filtration system
- 2 Rubber valve
- 3 Safety net
- 4 Rubber bellows
- 5 Filter insert
- 6 Warning lamp
- 7 Extra filter (not standard)
- 8 Sensor for air temperature and negative pressure

ALL ABOUT AIR FILTERS



RENAULT TRUCKS DELIVER

PRODUCT COMMERCIAL KNOWLEDGE

PRACTICAL ADVICE

MAXIMISE THE SALE

Make it easy! Order maintenance kits: with only one PN, you have all filters you need to change.

Don't just sell the part – look for further opportunities to maximise the sale:

Screws to secure the Air Filter housing cover (usually seized/rounded off).

Large jubilee clips to secure the rubber bellows.

RENAULT FITTED-PART

One year warranty.
Fitted by Renault Trucks trained technicians.

RENAULT TRUCKS 24/7

Professional roadside assistance 24 hrs a day, 7 days a week, 365 days a year.
Dedicated to getting customers' trucks back on the road with minimum delay.



renault-trucks.com

Renault Trucks SAS with a capital of 50 000 000 € - 954 506 077 RCS Lyon Crédit photos : © Renault Trucks - 01/2017



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FACT

Clean air is essential for optimum engine performance, but air is anything but clean.

Fit a GENUINE Renault Trucks air filter and give your engine the best possible protection from dirt particles as small as 5 to 15 thousands of a millimetre.

THE DIAMOND DISTINCTION

1 | The Renault Trucks air filter rubber seal

Renault Trucks uses an polyurethane rubber seal, whereas some non-genuine filters use only a foam rubber seal which does not give the same quality of seal. In this case, air – and therefore contaminants – will simply bypass the filter and could go on to destroy the engine.

2 | The Renault Trucks filter media

The Renault Trucks filter provides a 99,96% filtration level and is capable of holding up to 3kgs of dust within its folds, so allowing a life of 24 months in normal operating conditions.



Renault Trucks air filters can be used for up to 24 months in normal operating conditions, so providing longer service life and greater operating efficiency, at lower cost.

Furthermore, all air filter are treated against fire: Respect DIN 53438 - Classe F1⁽¹⁾.

3 | The Renault Trucks construction process

Renault Trucks uses glue lines on its filter to ensure a robust construction; in this way, the filter will not shake or rub itself to destruction, unlike some of the non-genuine filters.

FEATURES	BENEFITS
Special filter media.	High filtration, minimal engine wear: less repair work.
Large media area.	High dust capacity: no risk of early clogging, fewer filter changes.
Fixed filter media.	No leakage due to torn media: less risk of engine failure, fewer repairs.
Service instructions.	Explain when and how to change the filter: increased confidence, lower costs.

TWO PARTS MAY LOOK ALIKE BUT...

There will always be non-genuine suppliers wanting to sell air filtration components to Renault Trucks operators. The quality of these non-genuine makes naturally varies as much as their prices.

However, even if a well-known non-genuine Renault Trucks make is chosen – it is by no means certain that their air filters are tailored and to the specification of the Renault air filtration system, in the same way as a GENUINE Renault Trucks part.

SPECIAL FILTER MEDIA

The media in Renault Trucks air filters gives a high degree of filtration, around 99.96%. No particles that might harm the engine can pass through. This means minimal engine wear and long engine life.

LARGE MEDIA AREA

It is the area of the filter media media , combined with a quantity of layers which determine how much dust can be held without the filter clogging.

The media is pleated to produce a large filter area, with three layers in comparison with non-genuine parts which often have only two layers. Needless to say, the media is embossed to prevent the pleats from being pressed together, thereby avoiding any reduction in the effective filter area.

FIXED FILTER MEDIA

The media is fixed to the outer case with strings of adhesive. This prevents the tops of the media folds from chafing through under the action of vibration. Since the risk of leakage has been minimised, the result is increased safety and low risk of damage.

SERVICE INSTRUCTIONS

On the end of the filter there are instructions explaining when and how to change the filter cartridge. If you follow the instructions you can be sure that the air will be thoroughly filtered.

CASING

The casing and the end plates are made from strong, galvanised sheet steel, which withstands corrosion and retains its shape even when it is subjected to harsh treatment. One of the many features of Renault filters are their design for easy, fast fitting.

FILTER GRID

The steel or composite grid with form-memory (LDPE) provides better protection.

Their qualities:

- anticorrosive,
- resistance to deformation,
- absorption of vibrations.

The traditional metal grilles often distort and have not been treated against corrosion.

RUBBER SEAL

The filters have a radial rubber seal (temperature and ageing resistant polyurethane rubber) which seals against a stainless sleeve coupling in the filter housing – eliminating the risk of leakage between the filter housing and the filter.

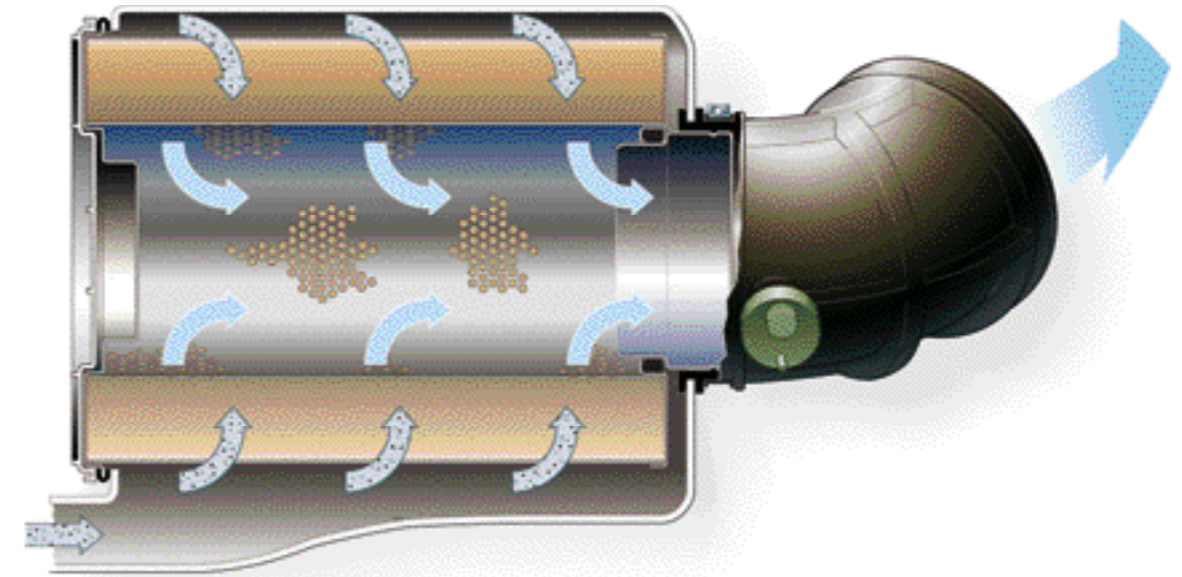
AIR FILTER – HOW IT WORKS

The air required for combustion is drawn through the air intake, which is located as high as possible on the vehicle. This is to get as far away as possible from the dust that is blown up from the road surface.

The air required by the engine must be free from dust, sand and other particles. Consequently it is important that the air is cleaned before entering the engine, as otherwise the particles would act as grinding compound and wear the engine out very quickly. To make it clean the air passes through a pleated-media filter that is protected by a grille. The filter must have a big through-flow area to let the air flow through unhindered.

The bigger engines require about 20m³ of air a minute, which is why the surface of the media on the larger filters often exceeds 10m². If the filter gets clogged by dirt the air will have difficulty in passing through, which means that oxygen will be lacking when combustion occurs.

To facilitate a control of the air filter without having to dismantle it, there is a pressure drop indicator between the air filter and the turbocharger, and if the pressure drops too low a lamp lights up on the instrument panel.



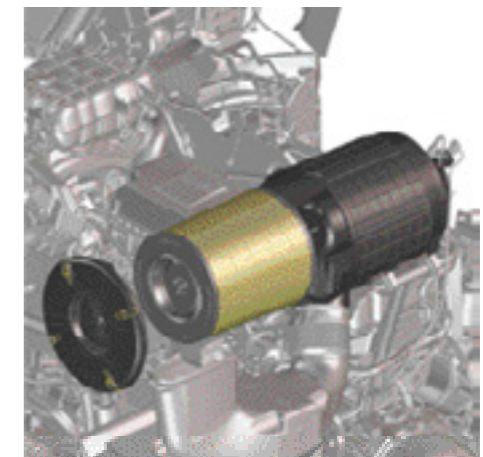
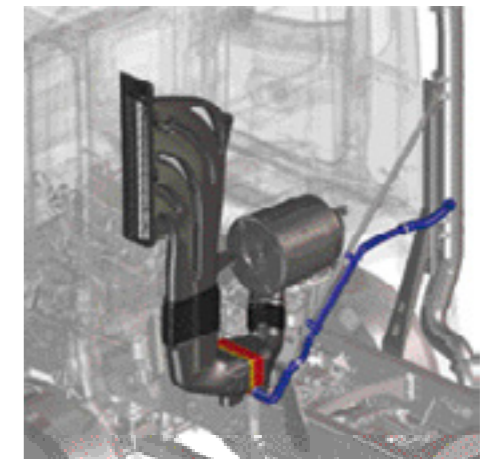
FILTER ASSEMBLY

The filter is designed for: self-centring and systematic self-alignment, simple and efficient assembly.

For a compliant assembly, refer to the assembly instructions.



**RENAULT TRUCKS
AIR FILTER GIVES
YOUR ENGINE
THE BEST POSSIBLE
PROTECTION**



(1)Our filter can support a temperature of 130°C during 10 min.