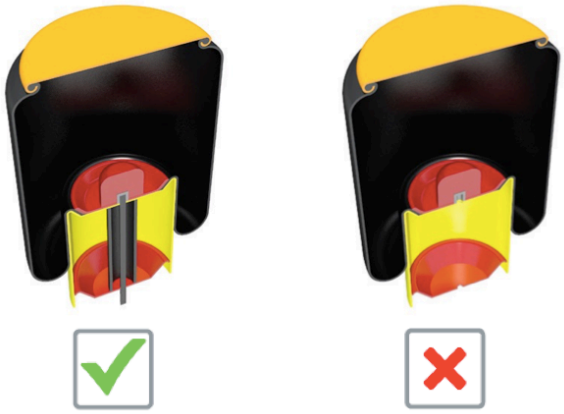


SUSPENSION AND STEERING WHEELS

Air cushions

Renault Trucks offer



The air spring is an element of the air suspension system thatadapts to the load of the vehicle; it intervenes in the groundconnection ensuring perfect control of it.

The air cushion is one of the **parts subject to technical control** . In the event of a leak, malfunction or cracks in the lower area of the rubber membrane, a check-up will be required.

Key arguments

High quality natural rubber

- Renault Trucks air cushions in natural rubber.
- Other materials used for adaptable parts.

Renault Trucks engineers observed that adaptable competing parts used materials other than the natural rubbers chosen for the production of Genuine parts.

Adaptable parts are often produced with reclaimed rubbers which contain impurities. Their resistance will therefore be reduced.

Optimized life for the use of each vehicle

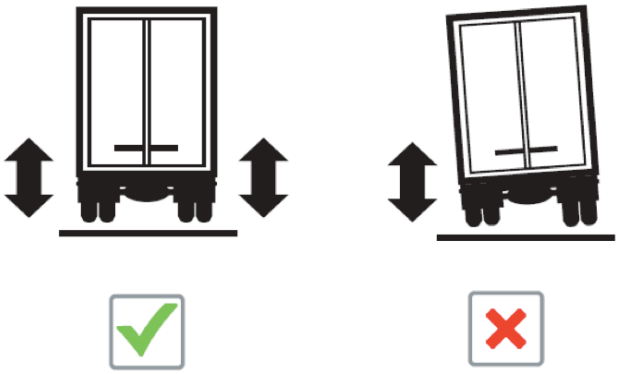
- Strict specifications that guarantee good resistance of the parts over time.
- Risk of short-term damage with adaptable parts.

Renault Trucks air cushions have been extensively tested (longevity, bursting, temperature tests, etc.) to ensure compliance with the specifications drawn up by the engineers.
These specifications ensure optimal specifications defined according to the use of each vehicle model.
During random analyzes on competing, adaptable parts, Renault Trucks engineers noted the absence or undersize of important components (missing internal piston tube, for example). This can cause very short-term damage and lead to immobilization of the vehicle.

Good lift

- Compliance of Genuine parts with the regulations for axle loading.
- No risk of vehicle imbalance.

The Renault Trucks original part guarantees the exact diameter of the air cushion for axle loading in accordance with regulations. It therefore ensures good lift.
On the other hand, adaptable parts have different specifications from those of Renault Trucks. They may therefore have less strict and precise technical characteristics than Genuine parts. There will then be a significant risk of unbalance of the lift as well as poor pressure and poor distribution of the load on the axles. This could lead to premature wear of these elements over time and therefore a higher cost during future maintenance or repairs.



A design adapted to each vehicle

- Precise geometry guaranteeing the best integration into the vehicle environment.
- No risk of damaging surrounding parts.

The geometry of the original Renault Trucks part guarantees no contact with surrounding parts, whatever the load or the configuration of the vehicle.
This is not the case with adaptable air cushions which go through a different manufacturing process and use other materials. They may therefore be less reliable and may come into contact with surrounding parts.
The air cushion may then burst in the event of particular stresses (potholes or obstacles, for example).



The service in addition

- 2 years warranty.
- Start & Drive contracts for worry-free maintenance.
- Typical packages to offer turnkey solutions to customers.
- 24/7 service.

A wide range of services is available:

- the Start & Drive Performance and Excellence contracts: efficient and tailor-made maintenance;
- the personalized and scalable maintenance plan: to plan the maintenance of your vehicle with confidence;
- maintenance packages: packaged interventions with a price fixed in advance for billing without surprises;
- 24/7: for permanent mobility.

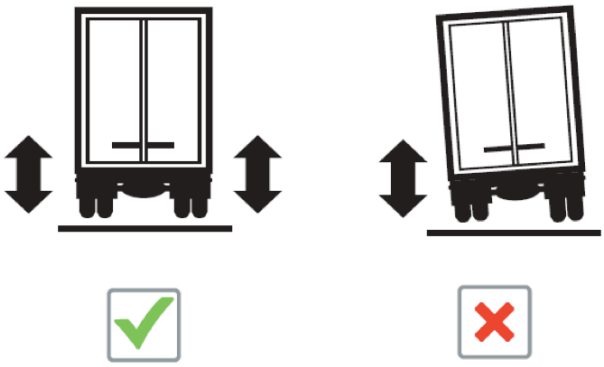
In addition, Renault Trucks, Genuine and eXchange spare parts are guaranteed for 2 years (see general guarantee conditions).

Customer benefits

Driving comfort

- Damping of shocks and vibrations.
- Silent vehicles, with or without loading.
- Preservation of surrounding mechanical parts.

The diameter of the original Renault Trucks air cushions is perfectly suited to loading the axles in accordance with regulations. The air cushion therefore provides good lift.
This is not the case with adaptable parts, which have different specifications from those of Renault Trucks.
They may therefore have less strict and precise technical characteristics than Genuine parts. There will then be a significant risk of unbalance of the lift as well as poor pressure and poor distribution of the load on the axles.
This can lead to premature wear of these elements over time and therefore a higher cost during future maintenance or repairs.



Savings

- Reduced maintenance costs with less frequent renewal.
- No immobilization of the vehicle for poorly distributed load.

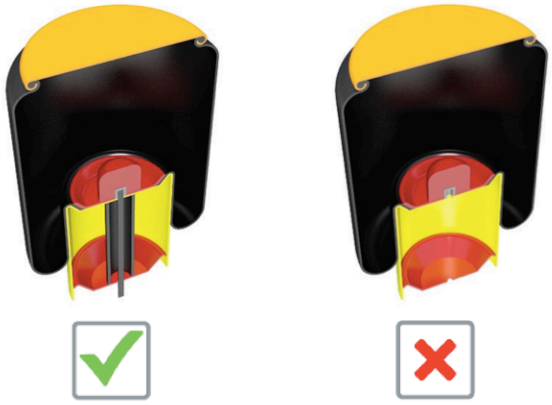
Renault Trucks engineers observed that adaptable competing parts used materials other than the natural rubbers chosen for the production of Genuine parts. Adaptable parts are often produced with reclaimed rubbers which contain impurities. Their resistance will therefore be reduced, requiring a premature replacement of the adaptable part compared to a Genuine part.
The precise geometry of the Genuine part guarantees its good integration into its environment. An adaptable part may rub against surrounding parts. It will then wear out more quickly, increasing the maintenance costs of the vehicle, the air cushion then running the risk of bursting in the event of particular stresses (potholes or obstacles for example).

security

- Air cushions adapted to the tonnage of the vehicle.

The precise dimensions of the Genuine Renault Trucks air cushion ensure that the axles are loaded in accordance with regulations and therefore ensure good lift.
Conversely, adaptable parts have different specifications from those of Renault Trucks. They may therefore have less strict and precise technical characteristics than Genuine parts. There is then a significant risk of unbalance of the lift as well as poor pressure and poor distribution of the load on the axles. This can lead to premature wear of these elements over time and therefore a higher cost during future maintenance or repairs.

Renault Trucks air cushions have been extensively tested (longevity, bursting, temperature tests, etc.) to ensure compliance with the specifications drawn up by the engineers.
These specifications ensure optimal specifications defined according to the use of each vehicle model.
During random analyzes on competing, adaptable parts, Renault Trucks engineers noted the absence or undersize of important components (missing internal piston tube, for example). This can cause very short-term damage and lead to immobilization of the vehicle.



Stability

- Optimal lift.
- No risk of imbalance thanks to the exact geometry.

The Renault Trucks original part guarantees the exact diameter of the air cushion for axle loading in accordance with regulations. It therefore ensures good lift.
Conversely, adaptable parts have different specifications from those of Renault Trucks. They may therefore have less strict and precise technical characteristics than Genuine parts. There is then a significant risk of unbalance of the lift as well as poor pressure and poor distribution of the load on the axles. This can lead to premature wear of these elements over time and therefore a higher cost during future maintenance or repairs.

The geometry of the original Renault Trucks part guarantees no contact with surrounding parts, whatever the load or the configuration of the vehicle.
Air cushions adaptable following a different manufacturing process and using other materials are less reliable and may come into contact with surrounding parts.
The air cushion may then burst in the event of particular stresses (potholes or obstacles, for example).

