

DAF COMPONENTS

Powertrain Solutions





DAF Components

Your partner in business

DAF Components is a fast growing independent supplier of components such as engines, axles, cabs and chassis modules. These are supplied to manufacturers of coaches, busses, off road vehicles and other industrial special applications all over the world.

More and more vehicles are equipped with DAF technology. And not without a reason. As part of DAF Trucks N.V., one of the most successful truck manufacturers in Europe, DAF Components offers first-class products, backed by the right services and supported by an extensive worldwide service network.



Expertise

Being a leading truck manufacturer, DAF has a proven track record in lowest cost per kilometer, high uptime and high resale value. DAF Components is using this expertise to achieve best performance against reasonable costs in other business segments, including Coach and Bus.



Partnership

DAF Components is cooperating with customers and vehicle manufacturers to offer best in class high quality level products and services. And it needs to be more than just a perfect product. Thanks to our worldwide network of professionals you are always assured of a perfect field service. Therefore DAF Components is the preferred partner in business.



Benefits

We offer you sophisticated transport solutions enabling profitability. DAF Components understands your business and knows how essential carefree mobility is to get the maximum return from your vehicle.



OEM

Together with industry leading Original Equipment Manufacturers we offer expertise, partnership and benefits to you as a customer: Pure Excellence.

Made by DAF

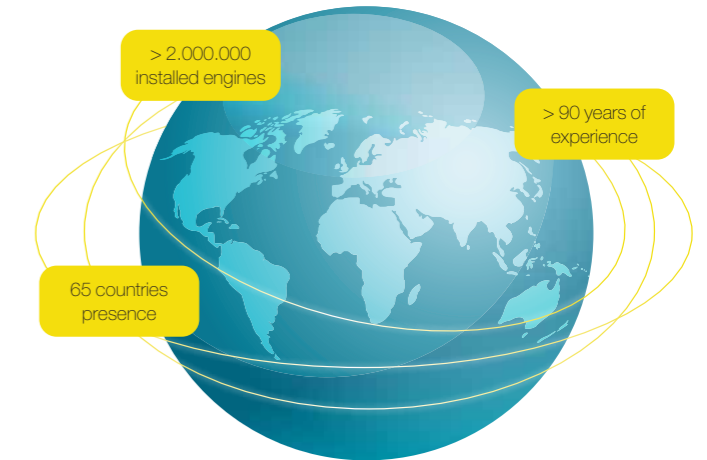
Made in Europe

Our reliable products are designed, engineered, tested and manufactured in Netherlands, Belgium and United Kingdom.

Bespoke

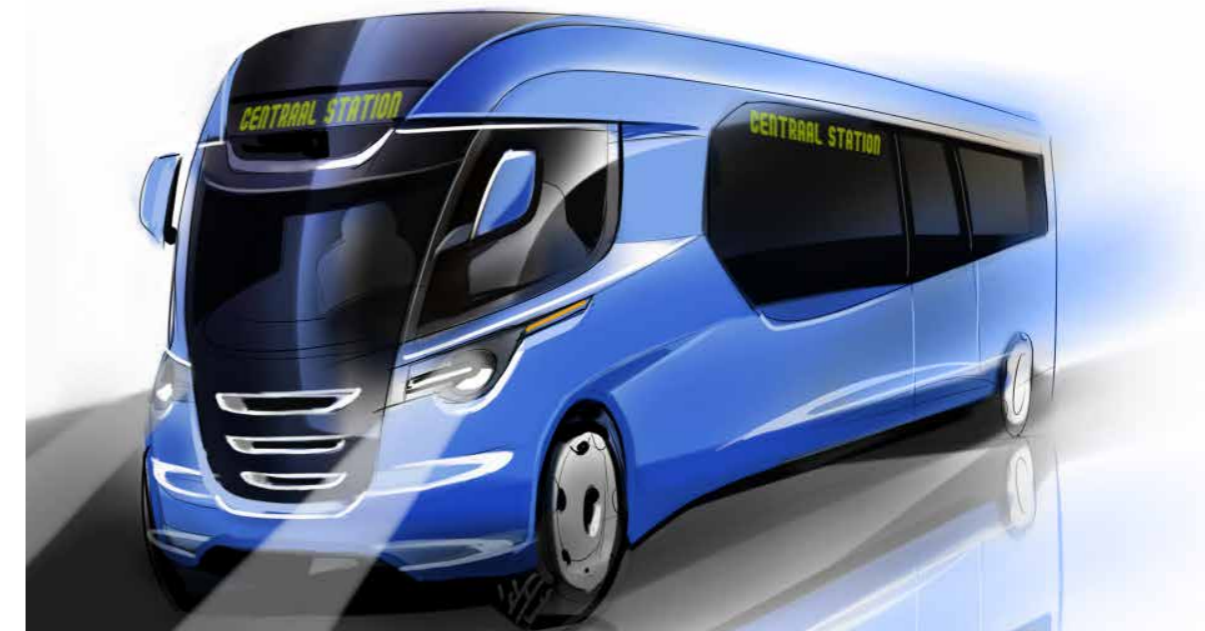
DAF technology ensures high reliability, high durability and excellent performance against low running costs. This applies primarily to the efficient DAF drivelines. Powerful, smooth, quiet, sustainable and efficient. The light and compact design makes them ideal for installation in coaches and buses.

The reliable PACCAR engines are also widely used in agricultural, construction, industrial and marine applications. Beet harvesters, slurry injectors, mobile cranes and inland vessels are powered by DAF: a quality product whereby efficiency, reliability and durability are paramount.



Service

Behind DAF Components is a professional organization. Worldwide. And a dealer network that will support you 24 hours a day, 365 days a year supported by our famous international Truck and Touringcar Service.



DAF Powertrain Solutions

Achieving lowest CO₂ emissions starts by having the right driveline for the job. Closely working together with our partners DAF offers the Paccar MX-11 & MX-13 engines featuring a string of innovations for unequalled efficiency. Further enhanced power ratings result in more torque at lower revs. achieving great driveability. Passengers will be positively surprised by the whisper-quiet DAF drivelines. Cruising at low engine revs assures low noise and vibration levels. It becomes a pleasure to travel.

Designed to get the job done

For industry-leading fuel economy the state of the art PACCAR engines feature valuable innovations. These include new highly efficient combustion and air management systems. Smart oil, steering and water pumps deliver their output matched to the exact demand of the engine, in every situation. That adds to overall vehicle efficiency and low fuel consumption.

Superb Driveline performance

Backed by our commercial vehicle knowledge, we support our OEM's to design the state of the art driveline and make optimum use of our improved torque and power outputs at low engine speeds.

Robust

DAF makes no concessions to durability and reliability. Newly introduced technology keeps wear and tear to a minimum. Engine service intervals have been extended up to 200.000km for highest uptime and significantly reduced maintenance costs.

Sustainable

Next to regular diesel fuel, paraffinic biofuels HVO/GTL/BTL (EN15940) and biofuel mixtures up to B30 (EN16709/EN16734) can be applied. HVO, produced from waste, significantly reduce the CO₂ footprint up to 90% compared to regular diesel fuel.



“Powerfull engines pack a punch”

Engines overview

The MX-13 12.9 Litre and MX-11 10.8 litre PACCAR engines meet the stringent Euro 6 emission requirements while achieving the highest fuel efficiency. DAF applies various exhaust gas after-treatment technologies like a SCR catalyst and an active particulate filter.

Since the temperature and the composition of the exhaust gases is managed so well, optimum integration of the engine with the exhaust-gas post-treatment system is possible. The SCR catalyst has been further optimized and by the use of a smart coating it has a maximum efficiency over a broader range of temperatures: a box design easy to integrate and low in weight. Next to Euro 6, the MX engines are also available in Euro 3 and 5 emission level.

The PACCAR MX engines are available with outputs from 299 hp to 530 hp and ideal for use in different on and off road applications including long distance coaches as well as intercity and public transport applications.



PACCAR MX-11 Coach & Bus Engine

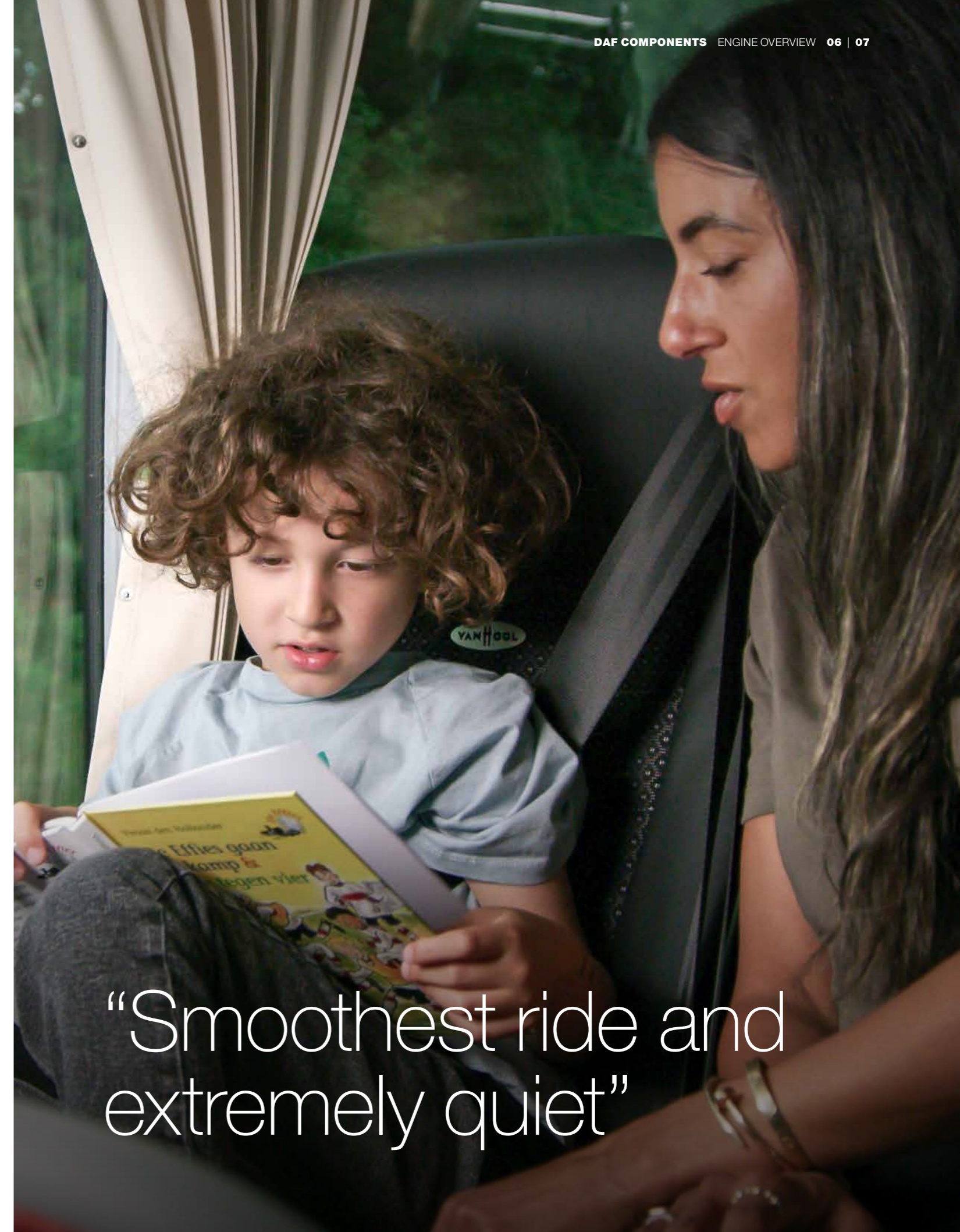
EXCELLENT PERFORMANCE AT LOW RUNNING COST			
Engine Type	Performance	Torque	Emission level
MX-11 220	220 kW/299 hp at 1600 rpm	1.450 Nm at 900 – 1400 rpm	Euro 6
MX-11 251	251 kW/341 hp at 1600 rpm	1.650 Nm at 900 – 1400 rpm	Euro 6
MX-11 270	270 kW/367 hp at 1600 rpm	1.950 Nm at 900 – 1125 rpm	Euro 6
MX-11 300	300 kW/408 hp at 1600 rpm*	2.150 Nm at 900 – 1125 rpm	Euro 6
MX-11 330	330 kW/449 hp at 1600 rpm*	2.350 Nm at 900 – 1125 rpm	Euro 6

* Also available for Euro 5 emission level

PACCAR MX-13 Coach & Bus Engine

STEADY STATE POWER AND TORQUE			
Engine Type	Performance	Torque	Emission level
MX-13 315	315 kW / 428 hp at 1600 rpm*	2.300 Nm at 900-1125 rpm	Euro 6
MX-13 355	355 kW / 483 hp at 1600 rpm*	2.500 Nm at 900-1125 rpm	Euro 6
MX-13 390	390 kW / 530 hp at 1600 rpm*	2.700 Nm at 900-1125 rpm	Euro 6

* Also available in Euro 3 and 5 emission level.



“Smoothest ride and extremely quiet”

DAF Services



DAF COMPONENTS SERVICES

Pure Excellence in transport goes beyond the vehicle itself. Hand in hand with our partners in business we provide support: from design start up to and including vehicle operation. Among others this includes choosing the right product configuration for the job, define tailor made service support solutions and provide adequate help on the road.



DAF DEALER NETWORK

With our extensive worldwide network of professional service dealers also specialized in Coach and Bus, there is always a DAF representative nearby ready to give you expert service throughout the lifetime of your vehicle. Highly qualified technicians have in-depth knowledge, ensuring fast, effective repair and maintenance of your vehicle, using original parts. This guarantees maximum vehicle availability and high residual values.



PACCAR PARTS

As well as original DAF parts and PACCAR engine parts, PACCAR Parts supplies over 80.000 universal TRP parts, including Bus & Coach. The DAF webshop makes it easy to order parts online, saving you time and money. Across Europe PACCAR Parts delivers orders within 24 hours to dealers and customers. Parts availability is among the highest in the industry, ensuring maximum uptime of your vehicle. What's more, through our distribution centers on other continents we even offer global coverage.



DAF DRIVER ACADEMY

Drivers are indispensable in achieving best results for safety and efficiency. DAF training courses help them to reduce fuel consumption, anticipate better and increase road safety. In fact, drivers who complete our courses realise economy improvements of up to 10% as well adopting a safer and more comfortable driving style.



DAF ROADSIDE ASSISTANCE

Accidents and breakdowns are an inevitable part of the business. Good to know that DAF international Truck and Touringcar service (ITS) is just a telephone call away. No matter where you are in Europe, 24hours a day, 365 days a year, service support is available. Our technicians assisted by the vehicle manufacturer will do everything possible to get your vehicle back on the road fast. Meanwhile we also take care for the passengers.



REPAIR AND MAINTENANCE

DAF MultiSupport repair and maintenance service gives you maximum assurance at a fixed price per kilometer. Together with you, the desired service level will be determined that best fits your requirements. Your DAF dealer takes maintenance planning and administration off your hands. As a result, you can focus on your core activities sure in the knowledge that your vehicles will always be in perfect condition.



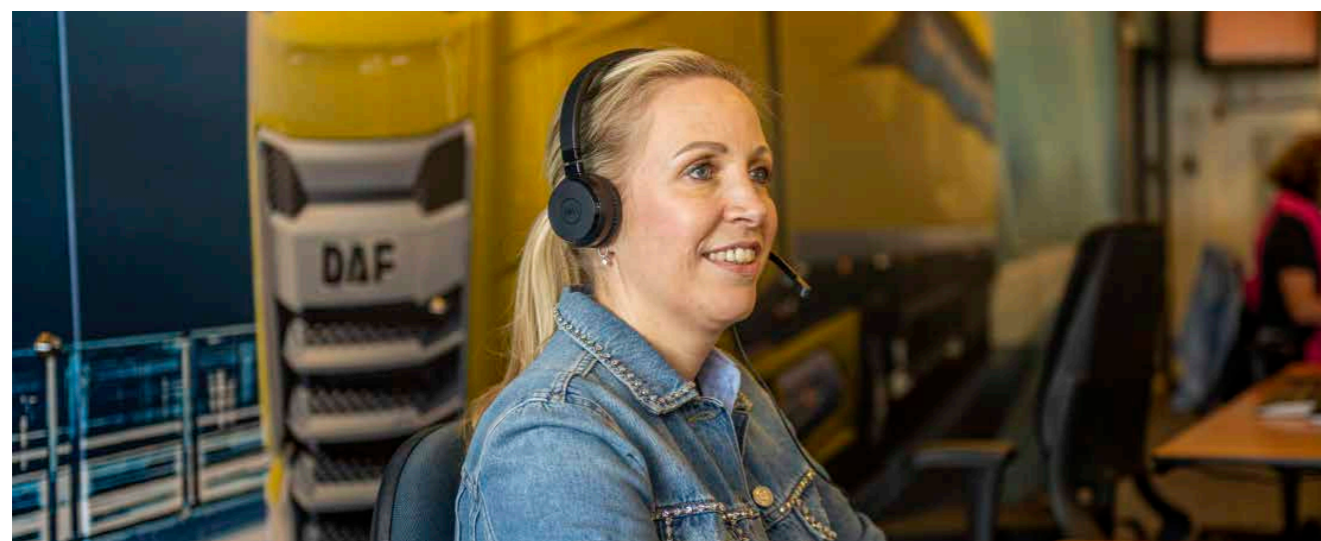
DAF Roadside Assistance

Roadside Assistance for all DAF Powered vehicles

When there's a breakdown or any other unexpected situation, you can fully rely on DAF International Truck and Touringcar Service. A phone call is all that's needed to mobilize the DAF service organization. The Roadside Assistance center is manned 24 hours a day, 7 days a week, 365 days a year. Our experienced operators offer all the assistance you need to get your coach or bus back on the road fast.

The advantages of DAF Roadside Assistance

- One phone number (+31 40 214 3000) puts you directly in contact with a Roadside Assistance operator.
- 24/7 operation.
- The DAF Roadside Assistance service team provides assistance in 15 different languages.
- By offering the auto-GOP (automated Guarantee Of Payment) to end-customers valuable delay during the breakdown is reduced.
- Customers and drivers are informed by means of automated messaging about important events during the breakdown.
- Dedicated and highly trained technicians ensure that most repairs to the DAF scope are done on the spot.
- More and more DAF Service dealers are directly trained and supported by the coach and bus manufacturers and develop themselves to real coach and bus specialists that offer one-stop-shop for the complete vehicle.



DAF Driver Academy

Get the best from your drivers and your vehicles

Drivers are key to achieving the highest possible vehicle efficiency. Together with your vehicle manufacturer we will make sure you get the most out of your coach. DAF Driver Academy training courses help your drivers save fuel by using the driver support systems and anticipating even better on traffic situations. The result: lower operating costs and higher vehicle availability.



DAF Ecodrive Training

Helps to reduce your costs!



- Fuel efficient driving
- Improve driving anticipation
- Safer driving
- Reduce CO2 emissions
- Reduce vehicle and component wear
- Higher vehicle availability
- Improved passenger comfort

Would you like your drivers to contribute to healthy operating results and a cleaner environment? Your OEM is prepared to discuss the various options with you.

PACCAR Parts

Services for Coach and Bus

Lower your Total Cost of Ownership

We support you to maximize your vehicle uptime and to lower your Total Cost of Operation, wherever you are.

You can count on:

- Attractive parts pricing at every DAF Coach & Bus Service partner.
- High parts availability thanks to DAF's excellent network and distribution centers.
- TRP all makes line for multi brand support.



PACCAR Parts Fleet Services

PACCAR Parts Fleet Services offers the most efficient way to facilitate, manage and purchase parts from the International DAF Dealer Network.

- **One consolidated Payment**
For all your parts and service purchases in the DAF Dealer Network, through one Billing statement. Online Reporting available.
- **Workshop Management Solutions**
Easy to use tool that provides accurate maintenance, repair and inventory control records. Ideal for self-repairing fleet customers to track their parts inventory and vehicle repairs.
- **Same parts price at every DAF Dealer and DAF service partner in Europe**

DAF Webshop

The webshop is an easy to use package to identify and order DAF and TRP Parts from your local DAF Dealer. The webshop at a glance:

- **Identification and discovery**
Easy identification of the parts you need with full integration of the DAF and TRP catalogue.
- **Comprehensive parts availability**
Instantly see inventory levels at our dealers and warehouses with just one press at the button.
- **Highly accurate parts pictures**
See exactly what you are ordering.



DAF MultiSupport

Keeping your vehicle on the road

The performance of your vehicle is an important cornerstone in driving your success and your business. To give you additional peace of mind on the road, you can purchase a Service Contract from your Coach & Bus manufacturer and to be backed up by DAF MultiSupport and the DAF Service Network. Your vehicle is maintained, serviced and, if necessary, repaired. The work is performed according highest quality standards by experienced specialists to keep your vehicle in optimum condition and retain its reliability, performance and value over a long period of time. DAF service contracts aim to reduce costs and increase vehicle availability. Financial surprises are significantly reduced which allows you to focus on your core business providing better service to your customers.

Benefits of DAF MultiSupport at a glance

- Maximum vehicle uptime and optimal vehicle performance
- Economic and efficient, No financial surprises
- Highly trained DAF technicians in every dealership provide expert advice, service and support on engine and One stop shop service in every DAF Coach & Bus dealer
- Peace of mind enables you to focus on your core business
- Your vehicle always in top condition
- Long-term value retention.

DAF Dealer Network

With the most highly trained and responsive dealership network of more than 1200 service points, DAF is able to deliver the most efficient, productive and cost effective services available in Europe and beyond. The DAF Coach & Bus dealerships provide additional expertise and support one stop shop service for your Coach & Bus.



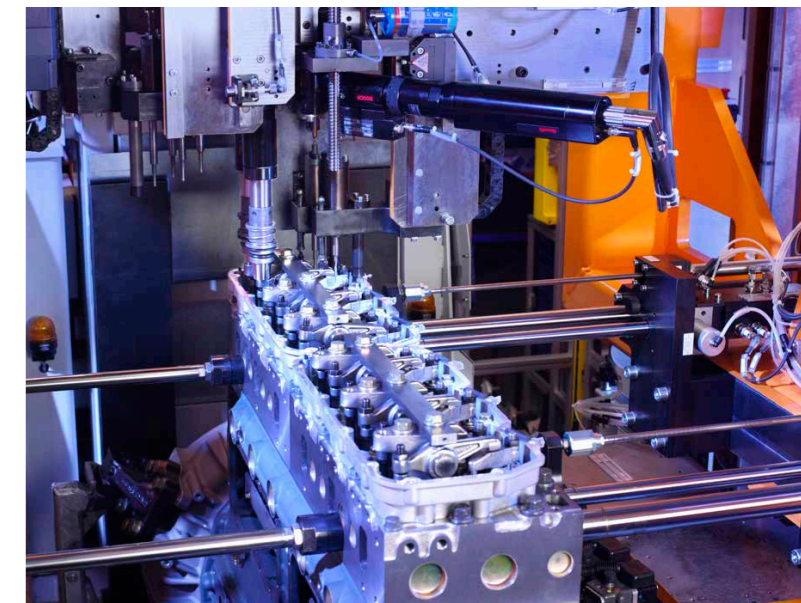


Components you can count on

DAF Trucks NV is a wholly owned subsidiary of the American company PACCAR Inc. PACCAR is a global technology leader in the field of development, production and service of high quality trucks under the names Kenworth, Peterbilt and DAF. Within PACCAR DAF is the 'Center of Excellence' in the field of driveline development with more than 60 years of experience!

Independent

PACCAR and DAF have production facilities in Europe, North America, Australia and Brazil. At the DAF head office in Eindhoven (Netherlands), research and development for engines and drivelines is located, as well as the factory for engines. Axles and cabs are produced in Belgium. A second engine factory is located in Mississippi in USA. DAF is also one of the independent engine manufacturers in Europe. In addition to a highly modern engine test centre, DAF has a well-equipped test track near Eindhoven. Before a product reaches the market, it is tested, re-tested and tested again.



State of the art

World-class products ask for a state-of-the-art production process. All DAF parts and components are manufactured and assembled in ultramodern production lines. DAF invests continuously and heavily to ensure the highest level of efficiency and quality.



Aware

In the development and production process, DAF pays much attention to the responsible use of raw materials, the possibilities of recycling and environmental care. DAF Trucks NV received from Lloyd's Register Netherlands a final official statement that the dumping of waste is reduced to zero.

The Dutch truck manufacturer underlines its leading position in the field of environmental protection. DAF Trucks was the first truck manufacturer in the world to meet the new ISO / IATF 16949 standard.

Explore more!



View the engine in our virtual experience:
VIRTUALEXPERIENCE.DAF.COM/DAFCOMPONENTS

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ISO 14001
Environmental
Management System



IATF 16949
Quality
Management System



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