

TAMLANS

Professional body and conversion solutions for Volkswagen Commercial Vehicles

The body builder Tamlans is a Volkswagen Commercial Vehicles Partner.

Tamlans is the manufacturer responsible for any modifications/conversions, Volkswagen AG is not. Volkswagen AG does not assume any responsibility or liability for any negative effects that may result from modifications to the vehicle. Subject to modifications and typographical errors.
Dated September 2016

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Tamlans



Volkswagen Amarok

Tamlans – Concept



The Volkswagen Amarok has been a success since its introduction.

Even then, the impressive driving characteristics of Amarok both on and off road were noticed, and its suitability as an ambulance was apparent.

The combination of the chassis with the modular ambulance body is unique. The 165 kW engine power combined with the eight-gear automatic transmission and four-wheel drive gives the opportunity for rapid movement on both asphalt roads and forest trails. The driving characteristics are in a class of their own, even in harsh conditions.

An ambulance built inside an ordinary sheet metal body would have to be built in line with the original body shape, in which case the placing of treatment equipment and ergonomics are always a compromise.

Amarok has been designed with easy access to service points, as well as with adequate facilities for the treatment equipment. No compromise has been made in the patient compartment, with plenty of space in all directions. The composite ambulance body will not rust and it can be transferred to a new platform in the event of a collision and damage to the cabin or if the chassis has to be renewed

Volkswagen Amarok

The Safety



The Monocoque structured modular body is secure and tested in many ways.

Tests have been performed with load simulations and in practical security tests in various research institutes. The monocoque conforms to EN 1789 standard.

The body withstands high point loads and retains its shape, even following severe collisions or rollovers. The body structure is strong and lightweight. This means a good load-bearing capacity and lower fuel consumption.

The driving characteristics are in a class of their own, even in harsh conditions.

Volkswagen Amarok has enjoyed success since its very first presentation. Combining of the chassis with modular-structured ambulance body is unparalleled in the world. Driveability is excellent even in the harshest of conditions. No compromises have been made.

- All devices and supplies are within arm's reach.
- All devices are available quickly and easily without removing the seat belts.

Volkswagen Amarok

The interior

The design of Amarok has been built on the idea of providing paramedics with the best ergonomics and safety as possible. For each treatment and patient transfer device, there is an appropriate place from which they are available quickly and easily.

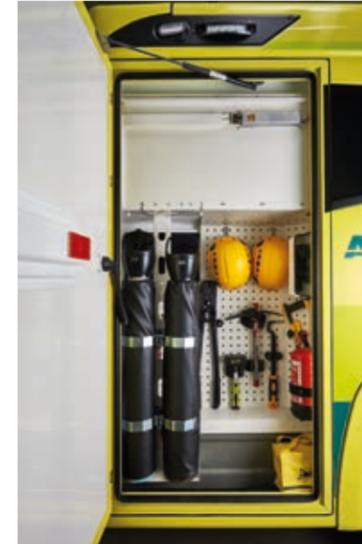
Particular attention is given to safety.

All devices are located within arm's reach so that the seat belt does not need to be removed during transport.

Ergonomics, usability and safety.

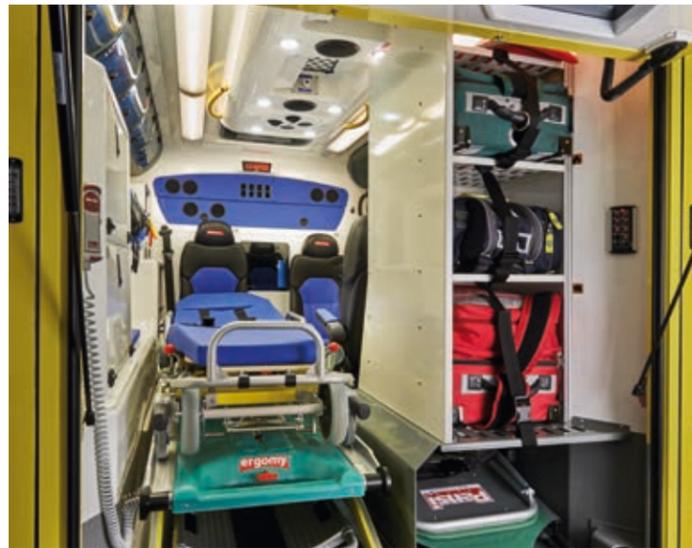
Volkswagen Amarok

The interior



Equipment compartment 1, the left front.

Oxygen bottles, safety devices and protective equipment are placed on the left front door.

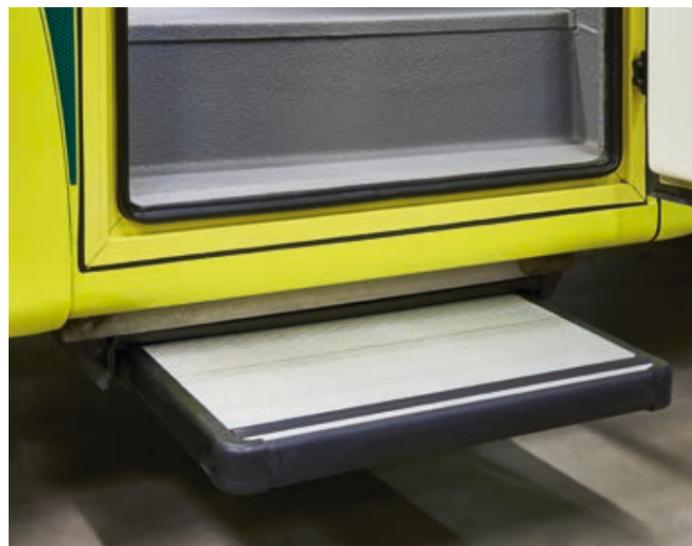


For each treatment and patient transfer device, there is an appropriate place.



Equipment compartment 2, the left back.

Triage bag, warning devices and care bags.



Electrically operated side step at the right front door facilitates access to the patient compartment.



Equipment compartment 3, the right back.

The patient support devices are placed on the back door on the right.

Volkswagen Amarok

Intuitive electrical system

The electrical system of the Volkswagen Amarok Tamlans is intuitive and easy to use. For example the Handy XL is a very perceptive control panel with various sizes of colour, backlight keys for the driver. On the panel is a button for starting the siren and emergency lights without lifting the gaze from the road.



The features include:

- battery voltage monitoring and prioritised voltage alert
- fault diagnostics
- automatic patient space temperature monitoring and control
- extensive control of patient space lighting start prevention and air heater shut-down after 230 V connection
- automatic 230 V disconnecting when starting
- door monitoring
- seat belt warning lights for all the passengers
- extensive control of siren and emergency lights
- work lights control



The GDIN control panel is in the patient compartment where it is used to manage a large number of vehicle functions.



The Mini DIN 10-key control panel is available that allows the functions to be assembled into a small space and in a prominent position on the back door.



Blue lights. Only a few seconds can be decisive. Integrated blue lights are energy efficient and ultra bright, which will get you maximum 360 degrees visibility on the road.

Volkswagen Amarok

Testing and approvals



The car has undergone intensive driving tests, including a 6 000 km long drive around Russia and Eastern Europe, and the car has also been tested over 500 000 km in daily alarm trips performed by pilot customers.

The Volkswagen Amarok Tamlans ambulance has now also undergone the test and inspection programme of the Product Development Department of Volkswagen AG (UBB).

The module body ambulance has gone through a quality control programme in terms of the quality of the modification and its suitability for the original vehicle. In addition to the technical inspection, the car passes demanding driving tests in which controllability, manageability and the traffic safety of the modified vehicle are examined.

The fundamental purpose of UBB is to ensure that the vehicles that have been significantly modified from the original vehicles are at the level required by Volkswagen in terms of quality, manufacturing technology and, above all, traffic safety; and the modifications made in the vehicle do not impair the vehicle's original characteristics.

Volkswagen Amarok Tamlans ambulance has been granted Volkswagen AG's UBB-certificate.