



Making vehicles special

# Emergency Ambulance: The WAS 500 Fiat Lightweight / Low Floor A+E Box Design.



Improved Staff & Patient Environment



20% More Cubic Capacity



Lower Whole Life Costs



Increased MPG



Fully Tested Body & Hinges



Payload 850kg



Remountable

Think inside the box



200kg Lighter Than A Van



Improved VOR Times

# The WAS 500 Box: 200 kg Lighter Than a Panel Van and 850kg Payload.



The WAS Fiat lightweight modular box A+E vehicle offers a perfect solution to the restrictions of a panel van. The vehicle has 20% more interior workspace than a panel van but the gross vehicle weight is a massive 6.5% lighter which improves fuel economy greatly and enables bariatric capability with a payload of 850kg. The tried and tested WAS heavy duty dual rear doors are capable of mounting medical equipment and the sliding side door offers access to response bags and allows for the emergency removal of the stretcher. There is also the option for external lockers to provide quick and easy access to essential equipment without having to enter the vehicle. An integrated side step offers easier access to the vehicle with reduced height, this mitigates the risk of VOR that's linked to the underslung step. An integrated will also reduce the risk of accidental injury to both crew and patient. With the WAS modular box's internal width that's 100mm greater than the van, layout options are far more versatile and patient comfort is enhanced. The extra width allows for a carry chair to be loaded without stowing away the forward-facing saloon seats.

## EXTERIOR

All windows available for integrated blinds or frosting/tinting options

4 LED scene lights

2 multifunctional air-dam mounted alley/puddle/blue lights

4 LED body flashing blues

Front and rear latest generation LED warning lights and lightbars

Multiple communications aerial layouts

Acoustic warning system, fully tested and noise compliant 100W, speaker driver orientated to aid service and reduce risk of failure. Speaker horn positioned for maximum acoustic effect

LED vehicle tail lamps, side marker lights and clearance lights

Next generation red LED crash lights fitted to rear facing door edges

LED entry lighting

HDR colour video system with 4 external cameras including reverse camera and 1 internal camera

Fully automatic air suspension

16 A automatic ejecting charging socket with LED charge indication



An external locker designed for quick and easy access to medical equipment.



Easy load powered 450kg SWL wedge ramp. To aid loading the vehicle is also fitted with an electrically operated winch.



With a greater internal width of 100mm compared to the Fiat panel van, it is possible to enter the vehicle with a carry chair without having to stow away the n/s seats.



Integrated side step enables easy access to the vehicle with a non-slip surface.

#### ENTRY SYSTEMS AND LOADING AIDS

Integrated side step enables easy access to the vehicle while reducing the risk of injury and VOR times. The side step is 410mm from ground level and has a non-slip surface

Easy load powered 450 kg SWL wedge ramp tested to over 250,000 cycles, the ramp contains a protected drive motor which provides a quick but smooth operation. It also includes a sacrificial rear panel for easy replacement in the event of accidental damage

Electrically operated winch rated to 500kg which aids with loading the stretcher and carry chair. Operation via a 3mtr wander-lead controller with an emergency stop override switch

#### SPECIAL FEATURES

Integrated side step (410mm from ground level)

External equipment locker options

All interior lockers are made from antibacterial material to aid with infection control

WAS easy remount box system

GVW 200kg lighter than the Fiat Ducato panel van with a payload of 850 kg

Saloon rear forward facing seat height of 470 mm

# The Box Design Gives You 20% More Cubic Space which Enhances Patient and Operator Comfort.



Ergonomically designed layout with anti-bacterial furniture. 20 % more working area compared to the panel van variant.

## INTERIOR

Increased internal width offers layout versatility, patient and operator comfort and an altogether more usable working area

Integrated side step enables easy access to the vehicle reducing the risk of injury and VOR times

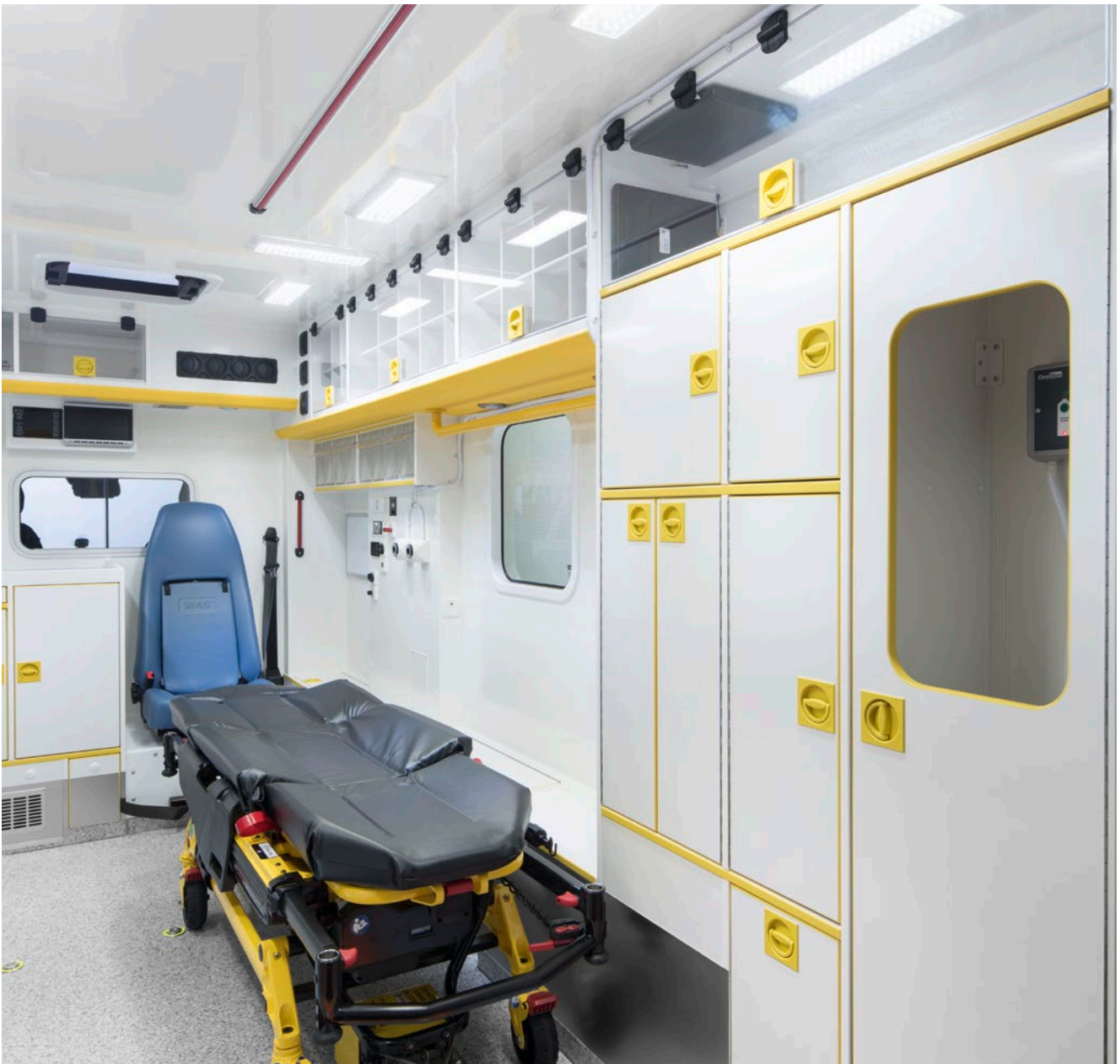
Saloon interior manufactured from a lightweight rigid PVC with high visibility edging, highly resistant to bacteria and disinfectant and free from organic material

Storage lockers for medical equipment to meet JR Calc and CEN requirements

## LEFT SIDE WALL

Two fully tested forward facing attendant's seats with three-point seat belts and the ability to swivel in the direction of the patient. Front seat height 410 mm / rear seat height 470 mm

Option for an integrated vehicle operation panel



Configure the internal layout to meet your specification needs. Take advantage of our vehicle design management team who offer expert knowledge.

#### RIGHT SIDE WALL

WAS fully tested and reconfigurable medi wall to house medical equipment and vehicle operating controls  
 Oxygen locker for ZX and HX size cylinders  
 Wall houses CD size cylinder brackets, recessed oxygen outlets with easy access to pipelines, with manual changeover valve  
 Easily accessible heater housing compartment with 2 outlets



The WAS medi wall offers a versatile solution for operator control and medical equipment.

# WAS 500: Bright and Easy to Clean Interior. German Engineered to Last the Test of Time.



Fitted with a large work top and stowable work station  
all illuminated with an integrated highlevel LED worklight.

## **PARTITION WALL**

Rear facing attendant's seat with Isofix capability

Housing for air conditioning

Lockable compartment for POM's and drugs storage

Secure dedicated locker to house communication  
systems with internal LED lighting



Fitted with a full length operator panic strip to activate the CCTV recording and alert the driver, the top cabinet doors are clear to help identify their contents.

#### CEILING

Sky light with optional roof hatch with emergency exit, roller blind and insect screen

Roof vents (intake and extract)

8 dimmable LED lights for lighting the patient compartment, with optional trauma function

Spot-lighting above the patient

Multi point panic strips to activate internal video surveillance system and multiple alert system

Multiple grab rails

Paramedic LED work light

#### FLOOR

Single fixation point of stretcher which accepts standard or bariatric stretcher, option for central stretcher mount fixation points

Four securing points in floor for specialised medical equipment such as aortic balloon pumps

High visibility non-slip flooring integrated with side wall and cupboard via plastic welding



# WAS 500: The Next Generation German Engineered Lightweight Box Body for FWD Chassis.



The conversion and design is fully configurable to meet any customer specific layout or request.

## DRIVER'S COMPARTMENT

60 mm increased cab length compared to a standard Fiat panel van

Centre console for storage of PPE and documents

Mirror monitor connected to 5 camera CCTV system

LED map lights

Options for mounting the auxiliary control panel and communications systems into the centre console or the roof lining pod

## BASE VEHICLE

Model	Fiat Ducato
Type	Maxi L3 Euro6
Engine power	180 hp
Gearbox	Manual
Type of vehicle	Box body
Wheel base	4035 mm
Fuel	Diesel
Maximum total weight	4250 kg

## BOX BODY

Model WAS Fiat Lightweight Modular Box

Internal dimensions  
Length: 3955 mm  
Width: 2040 mm  
Height: 1980 mm

External dimensions  
Length: 6685 mm  
Width: 2116 mm  
Height: 2680 mm

Doors

- Side sliding door giving access to response bags (width: 1255 mm)
- 50/50 heavy duty dual rear doors opening and lockable to 270° on both sides

Compartments N/S/R equipment locker for access to scoop, spine, stair pro chair and batteries (width 655 mm)

The concept is transferable to other base vehicle types. The equipment is an example and can be customized.

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