

# *motorOn*

*SERVICES*



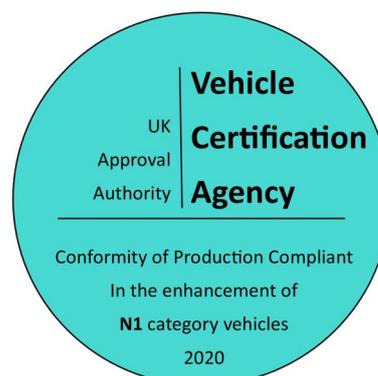
*Specialists in vehicle racking, accessories and on-board power solutions.*



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**Motor on Services are the leading specialists in the design, build and installation of on-board vehicle generating systems, racking and customised accessories.** Our business was launched with the primary aim of providing customers with a safe source of electrical power from their vehicles and utilising the vehicle's interior to meet the day-to-day needs of the mobile engineer.

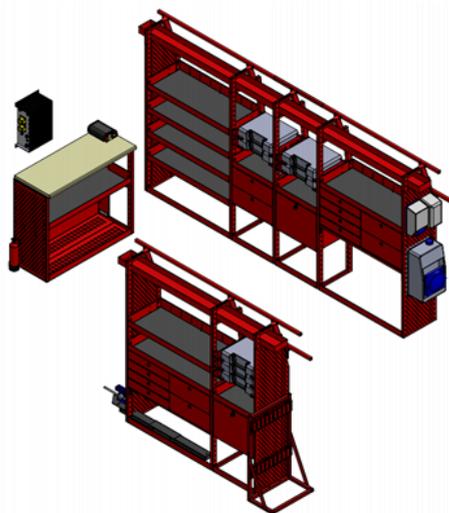
Motor On services will enable you to store and operate everything you need for a business on the move, providing a mobile workshop facility equipped with built-in battery/welding facilities and on-board power for appliances such as power tools and even computers. Whether you are a small florist or a larger blue chip company Motor on Services can provide you with the perfect turn-key solution for your vehicle.

At Motor On Services we will take a customer's requirements and work with them to identify the best solution for their current and future needs as well as considering their budget. Our products can be used in static workshops or general storage situations and because we design the products ourselves we have a full understanding of their capabilities and a close attention to detail.

Our experienced workforce is available during every step of the process to ensure the customer is kept informed and we always deliver on time and in full. By doing this we have developed strong working relationships with our customers and established a large client base. Motor on Services offers you a complete mobile workshop designed and fitted using leading edge technology.

### **Our Products**

At Motor on Services we specialise in three different product lines called Auto Mate, Auto Rack, and Auto Accessories. Each of the Auto systems have been designed to provide different functions in your vehicle and can work alone or simultaneously to build your individual vehicle solution.



**“Since having our first vans fitted by Motor on Services we have seen our costs go down and engineer’s outputs go up. All the time and effort you put in makes a real difference to the end result and the vans have repaid the investment many times.”**

**Stan Chapman, Advante Limited**

**Our teams of fully trained engineers at our installation facilities give Auto Rack the leading edge in customer service.**

Our 10,000 square foot main installation centres in Bristol enable us to give the service our customers desire.

From our Auto Accessory range of products we can provide leading components from the names that you would expect such as:

Prime Design, Eberspächer, Rhino, Sterling Power, AAMP Global & Deb Group.

Our supply chain enables us to provide our customers with everything from tow bars to roof racks, tachographs to work lights, vehicle decals to interior lining, carry cases to sliding vice beams and of course our Automate Generating Systems.



**“OnSite have been using the Automate system for nearly 20 years on their fleet of 45 CCTV Unit's operating throughout the UK and Europe. It has provided quick and easy power wherever you maybe, no need for generators or worrying about charging batteries for inverters. The system has been used on VW LT35 through to the latest VW Crafter. Very reliable instant power (110v) and very good product support”**

**Ian Farley, Workshop Manager Onsite Central Ltd**



**The Automate on-board vehicle generating system was designed by Motoron Services to be a safe and reliable source of power, wherever and whenever needed.**

This system can be used for anything from welding and battery charging to lighting and electrical equipment.

The Automate system utilises the host vehicles engine to generate power wherever it is needed.

After many successful years supplying the Automate MK 3 systems to thousands of customers and in line with our continuous development programme, Motoron's team of design engineers have been harnessing the knowledge gained to create the next generation - the Automate Olympic power weld.

Key Features include:

- 110V AC C.T.E (Centre tapped earth)
- 3000W Power output (continuous rating)
- Safety Interlocks and Emergency Stop
- Each power line individually fused to earth
- Power Control Module
- 55V DC Arc Welding (up to 150A)
- 12V Regulated battery charging (up to 150A)
- 24V Regulated battery charging (up to 150A)
- 12V/ 24V Boost Battery Charging (up to 150A)
- Lightweight and compact design (Full system 26KG)

The 110V C.T.E feature gives the mobile engineer 3000W of 110V power to enable them to run a host of electrical equipment. This equipment may range from drills, grinders, lights, impact wrenches, water pumps, oil pumps, computers and CCTV camera equipment.

This 110V electrical power is safely provided through two 16A outlets, each line of these sockets being individually fused for safety.

The 110V A.C waveform is provided via a Quasi Sine Wave output which mimics that provided by 110V C.T.E. workshop transformer, to provide a safe, well regulated, reliable supply.



**The TECFEED 250i wire feeder is robustly constructed in a reinforced moulded case to give a fully enclosed wire feed unit which is protected against the elements.**

Rugged construction and excellent portability make these units ideal for all site welding applications. This model is fitted with a heavy-duty contactor with a good safety margin to allow welding up to 250A.

- Connects to virtually any DC welding power source, CC or CV, even 24V batteries work well!
- Multi-process, MIG, MCAW, FCAW with self-shielding or solid wire & gas shielding.
- Excellent welding performance with flux cored and solid welding wires with unbeatable arc stability.
- Rugged all metal 2 roll drive system to guarantee trouble free wire feeding.
- Very portable design with strong ergonomic carry handle which lays flat when not in use.
- Heavy duty contactor fitted to start, stop & cope with current up to 250A.
- Torch trigger latching & burn back control standard.
- Standard Euro torch connection.
- Front controls have a sturdy guard either side to give protection from damage.
- IP23 protection against splashing water & can be used outdoors.
- Works from 20-110V DC & factory tested to 150V to guarantee reliability.
- Takes 5KG or 15kg spools.
- Rugged design to give a long trouble-free life in less than ideal conditions.
- British made high quality product.

### **Technical Specifications**

- Amps & duty cycle 250A @ 60% max
- Max OCV 110V DC
- Welding voltage 15-44V
- Approx. welding amps range on 1.0mm solid wire (CC 100-250 Amps) (CV 40-250 Amps)
- Approx. welding amps range on CC with 1.2mm solid wire (CC 150-250 Amps) (CV 100-250 Amps)
- Wire speed range 2-20meters/min
- Wire size 0.8-1.2mm.
- Size approx. 210Wx560Lx420H mm
- Weight approx. 9.5kg



**TECFEED 250i**

**The Auto Rack Component Management System was designed by Motoron Services Ltd to provide a safe, crash tested, reliable and robust means of in vehicle storage.**

With Motoron's continuing development programme, this has led to a dynamic product base that can be tailored to your every requirement.

Auto Rack systems are uniquely created to fit the host vehicle, accommodating the load to be carried and the budget required, giving the user the best solution for their overall needs.

The key elements of Auto Rack revolves around using its modular design, making a flexible, easily adaptable solution to your needs. If you have specific design requirements this can be realised using our 3D CAD technology.

As with all of our products, Auto Rack's long life expectancy relies on the quality of its core construction of which it boasts:

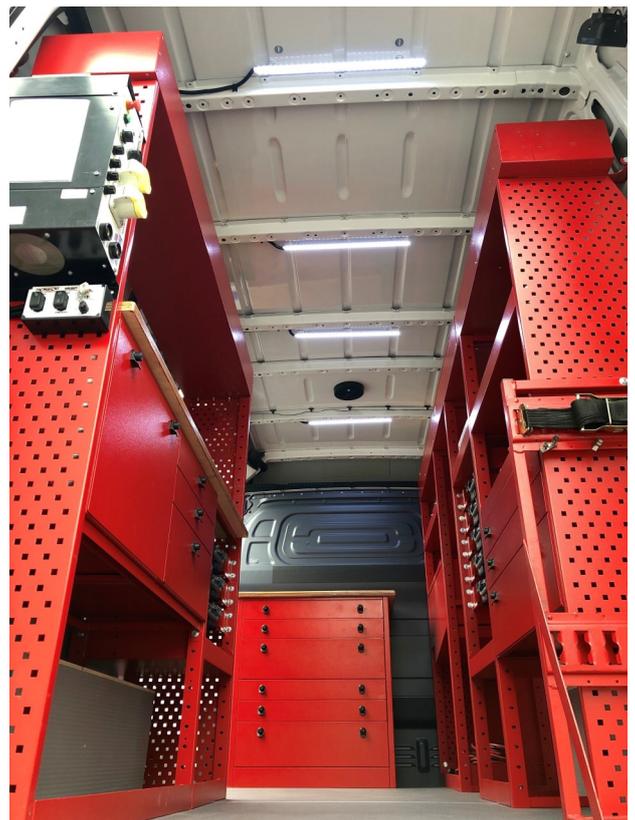
- Cold rolled mild steel construction.
- Precision CNC Laser cut and punched profiles.
- Fully automated conveyORIZED powder coating process.
- Textured polyester powder coated finish, giving better scratch resistance.
- Modular construction, giving ease of adaptability.
- Specially designed robust flexible fixings system.
- Full range of accessories.

#### **Overview:**

Auto Rack Component Management Systems provide an efficient storage solution for all forms of panel vans regardless of how big or small. The modular design makes a flexible, easily adaptable solution to your needs. Offering a variety of shelves, work benches & lockable drawer stacks and giving the option of removeable carry cases in our service case drawer and rails.

Our in-house design team will work with you to understand your requirements and tailor the required specification for your individual needs. With constantly improved designs and ease of assembly the Auto Rack system can be installed at one of our fitting centre or it can be supplied for you to fit yourself.

The Auto Rack system is designed and manufactured in the UK and fitted to high standards with durability in mind. This results in the ability to deinstall the Auto Rack from your existing van and refit into the next. The Auto Rack system is crash tested at 20G to ensure driver safety.



**Our racking is designed and manufactured in the UK**

## Oil Storage and Drainage System



### Benefits of the oil storage and drainage system

- Superior quality and lightweight banded aluminium construction.
- Hardwearing powder coating which allows for easy cleaning.
- Oil drum carrier can accommodate up to six 20 litre jerry cans securely, allowing for plentiful storage of both clean and dirty oil.
- PIG matting supplied in the base of the oil drum unit to absorb any spillages which may occur.
- Includes a bespoke rag box which fits neatly inside the oil filter carrier which allows tidy storage of dirty rags. This also provides ample room to carry funnels and other tools .

### Adjustable Pipe Tray

An easy addition to many racking specifications and can also be used as a solo component. The pipe tray adjusts to fit almost any length of vehicle or component. Ideal for carrying lengths of pipe, poles or can be used as additional storage for items such as manuals or aerosols.





## Service Cases

Provides organised storage for fixings which can be taken to your work location, reducing downtime. Service cases come in a variety of sizes and can be used in conjunction with our service case drawers and service case rails to provide safe storage and easy access.

## Shelf Storage Bins

Provides tidy storage of smaller parts aiding maintenance of stock levels and making part location easier.



## Gas Bottle Rack

Designed with strength in mind, the Auto Rack gas bottle rack can hold a variety of gas bottles and will comfortably carry the common Oxy-Acetylene kit, secured by two 700kg rated ratchet straps.

## Sliding Vice Beam

6" Steel vice with swivel base, mounted to our sliding vice beam is a versatile space saving solution suited to any mobile workshop.



## Lockable Cabinets

Provides a safe storage place for high value tools/equipment. Cabinets can be built into both racking and bench specifications.

### Rotating Roof Vent

The extractor fan is driven by an air scoop which catches the air stream created by the motion of the vehicle or prevailing breeze. Beneath the spinning air scoop are vanes which expel air, drawing stale air from the load area.



### Floor Vent

Is capable of extracting low-hanging gases and by installing in combination with a rotating roof vent, an extra vertical upward draft is created within the load area of the vehicle. This further improves the performance of the roof vent.

### Load Lock Rail and Lashing Rings

Provides secure fixing points for securing items that cannot be stored in the racking.



### Ratchet Strap

Used in conjunction with lashing rings or load lock rail. The 25mm wide webbing and "S" hooks on either end make ratchet straps ideal for general load securing.

### Side Lining and Anti-Slip Flooring

Side lining gives protection to the inside of the vehicle walls. Anti-slip flooring provides a higher level of grip to improve safety. Our kits are cut on a CNC machine capable of cutting up to a 3050mm x 1525mm sheets of plywood. We use high quality hardwood, plywood and polyline throughout, with floors and wheel boxes being made of 12mm plywood.





## Skin Care Centre

Contains compartments for the three different hand care products: protector, cleanser and sanitiser.

The three cartridges, when used in sequence, are a comprehensive and effective approach to hand cleansing and protection for professionals who work with their hands.

## First aid kit

Available in either 10 person or PCV standards, provides emergency supplies for minor injuries sustained in the workshop environment.

## Eye Wash Station

Essential for high risk areas such as workshops. Equipped with 0.9% saline solution which is ideal for eye irritation and a mirror for accurate self treatment.

## Soap Dispenser

Works in conjunction with the hand wash unit to comply with health and safety regulations. The Deb lime soap dispenser contains a natural lotion to remove general workplace dirt and grime leaving a fresh scent.

## Towel Dispenser

Robust centrefeed roll dispenser is manufactured from ABS plastic and is suitable for use in most environments.

## Hot and Cold Handwash Unit

Provides hot and cold hand washing facilities with a 8.5 litre water capacity. Using high corrosion resistant materials and state of the art electronics, the heating element thermostatically controls water temperature to 60 degrees centigrade. The system is also protected by a thermal overload safety device.

## Fire Extinguisher

Highly versatile and ideal for general use. This compact 2kg ABC Powder is suitable for use on A, B & C class fires involving burning solids, flammable liquids, gases, heating oils and live electrical equipment. Suitable for use in: industrial premises, homes, garages, offices and workshops.



## LED Interior Strip Lights

High power LED strip lights provide intense light output with 120° light spread in a robust, fully potted resin construction, in aluminium housing. Magnetic mounting to eliminate the need for drilling



## LED Magnetic Mount Work Light with Integral Switch (2.5m Cable)

High power work light at 1300 Lumens with a magnetic/suction mount for ultimate usability. The robust, durable ABS housing is cool to the touch. Both work light and switch are totally waterproof with dual voltage and polarity protection.

## LED Swivel Work Lights

High power LED work light at 1350 lumens with 60° beam. Single bolt mounting available or to further increase lighting angle, use with our adaptor bracket.



## 16" LED ECE R65 Amber Light Bar 12/24v

Made from resilient ABS and polycarbonate with 56 x 0.2W LEDs for bright amber light, meaning this light bar provides effective warning to other vehicles. Also available with a magnetic base for occasional use.

## Amber LED Markers

Provides effective warning when manoeuvring on site. E-marked and R65 approved for vertical and horizontal mounting with a 180° light angle.





DeltaBar®

### DeltaBar System

A reliable and durable roof bar system made with high-tensile alloyed steel construction makes Rhino's DeltaBar one of the strongest roof bar systems on the market. Available for a range of commercial vehicles, their stylish and practical design means DeltaBars enhance both the appearance and storage capabilities of any van.

### Modular Rack

The Modular Rack is a robust and hard wearing van roof storage system that provides quick and easy installation using two, three or four bolted together welded modular sections. The rack includes an aerofoil that significantly reduces overall wind noise and drag as well as a full width rear roller system that aids loading and unloading.



ModularRack™



SafeStow4®

### SafeStow4

The SafeStow4 provides you with safe, secure and effortless ladder storage and handling. It totally eliminates the need to climb onto the roof of the vehicle or stretch in order to store and secure ladders. Instead, they mount and dismount with minimal effort all from the safety of ground level, thanks to gas ram assisted lifting.

### AccessStep

AccessStep has been designed with the day to day health and safety of van users in mind, with a high visibility reflective label and a wide anti-slip tread. It not only facilitates easier rear vehicle entry, but also provides a secure and stable platform from which to reach the roof of your van. This eliminates the need to stretch or climb on a tyre while loading or unloading goods stored on top of your vehicle – both of which are common sources of van-related accidents.



### Connect+ Rear Step

Connect+ is a highly innovative solution which is compatible with many of Europe's top commercial vehicles. Connect+ allows your vehicle's original equipment reversing sensors to be seamlessly integrated directly into your Rhino Products step. Currently available for our AccessStep, TowStep and TowStep Duo products.



### Hook Lock

The L4V Hook Lock is a mechanical deadlock operating independently from the manufacturers' locking system. A deadlocking hook bolt engages into its opposing body section operated by its high-security external key under full control of the driver. Suitable for owner drivers or applications where the driver can be relied upon to operate the lock.

### Slam Lock

The L4V Slamlock is primarily designed for couriers, multi-drop delivery drivers and any operations where a driver may be regularly in and out of a loading area throughout the day. The L4V Slamlock safeguards against the driver forgetting to lock the doors. Once the door is shut it locks automatically and can only be opened using the L4V Slamlock key, dramatically reducing the chances of theft.



### Ford Replacement Lock (Replock)

We often find that Ford driver door locks are easily overcome by picking or forcing the cylinder. The L4V Ford Replacement Lock is a high-security replacement barrel & bezel that has been designed to withstand these types of attacks.

Available for Ford Transit 2000 > 2014, Ford Transit 2014 > and Ford Transit Custom 2012 >

### Key Features

- Designed and manufactured to meet the demanding requirements of commercial vehicle security.
- Cylinders, housings and plugs are plated in highly durable satin nickel to maintain a long-lasting appearance and consistent performance.
- High visual deterrent, whilst maintaining the aesthetic appearance of the vehicle.

### Shielding Plate

The L4V Shielding plate can provide both internal and external protection against bodywork punctures and handle spikes that give access to the internal locking mechanisms, wiring looms and door latches. Our vast range of shielding offers vehicle and attack specific security solutions to protect the vulnerable areas of all vans, including the spare wheel. Our shielding parts are vehicle and door specific and so the products we supply vary depending on the make and model of your vehicle.



## 12v/24v Split Charging Systems

The use of battery to battery chargers (B2Bs) have grown significantly over the past few years. This is in an effort to supplement the ever growing demand from the commercial vehicle industry. The B2Bs have become extremely popular as they fast charge batteries whilst you cruise along without the need for complex wiring, touching your alternator, voiding the alternator's warranty or tampering with the ECU. You can provide the onboard batteries with a fast 4 stage charging profile with a very simple and speedy installation. All of the benefits of advanced charging without any of the drawbacks. Simply connect the B2B between the battery being charged and the battery you wish to charge.



## 12v/24v Jump Start

Paired with our 12v/24v split charge systems we can also supply Anderson sockets to provide 12v/24v jump start points to any desired location on the van.



## Quasi Sine Wave Inverter

Quasi Sine Wave inverters are available in 12v/24v input voltage and 110v/240v output voltage. Our inverters range from 300w to 3000w and are compatible with 80% of electronic items and are the most economical. They are ideal for purely resistive loads.



## Pure Sine Wave Inverter with RCD

Pure Sine Wave inverters are available in 12v/24v input voltage and 110v/240v output voltage. Our inverters range from 300w to 3000w and generate an output voltage wave form that has a very low harmonic distortion, much like utility-supplied electricity. This means they are more suited for sensitive electronic equipment, allowing motors to run faster and quieter.

## **Witness Camera / DVR Recording System / Reversing Camera System**

Reverse cameras increase safety when manoeuvring and can aid in the reduction of vehicle damaging incidents. This works well in conjunction with the reversing bleeper making this another crucial accessory to any conversion.

A front facing camera constantly records the driver's journey in full HD which can be an independent unit or record with up to 5 independent cameras using a DVR. This is capable of giving live telemetry data as well as instant access to camera footage.

Cameras using high degree angle lenses, record at up to full HD so you can always capture every detail of an incident.

The independent front face camera also utilises a lockable cover which protects the SD card, power cable, mounting bracket and accessories which restrict a 3rd party's ability to interfere with the camera. Thus ensuring adequate protection for your business and reducing time and money spent on correcting any interference with the unit.



## **The Reversing Bleeper**

Increases safety by producing an audible tone when the vehicle is put in to reverse, thus ensuring people in proximity have warning of the vehicles manoeuvre.

Various ranges of reversing beepers are available including white noise. Our most popular however being the double click night silent model. This allows you to disable the alarm by putting your vehicle into reverse twice, perfect for early morning starts or late-night work.



## Light Weight Swivel Loading Ramp

The WM Light Plus swivel loading ramp is constructed from reinforced aluminium making it strong, lightweight and very easy to use thanks to its spring-assisted system. The built-in external swivel allows full access to the rear of the vehicle if required.



## Features

- External swivel feature as standard. Internal swivel optional
- Anti-slip anodised aluminium surface
- Safety edges (6cm)
- Flexible section onto van floor
- Equipped with wheels
- Dock loading pin

## Dimensions and Load Capacity

- **WIDTH:** ranging from 40cm to 120cm
- **LENGTH:** ranging from 175cm to 325cm
- **MAXIMUM LOAD CAPACITY:** ranging from 400kg to 600kg

## Additional Information

The built-in swivel feature allows the ramp to pivot externally at 90 degrees providing unobstructed access into the rear of the vehicle. An internal swivel kit is available as an option but must be requested at time of order.

The anti-slip surface provides a safe loading platform with raised lateral anti-fall edges increasing load safety. A flexible section situated at the top and bottom of the ramp provides a smooth transition onto the ramp and into the vehicle.





A  
TOTAL  
TURN  
KEY  
OPERATION



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