



A brief history – In the beginning

Leisuredrive began almost by accident, in the spring of 1968. Having recently left technical engineering college, Derek Andrews was asked by his father (knowing he was of a practical nature) if he would convert an old ambulance into a motor caravan so that he and his mother could go away for weekends in it.



1970's

First camper I built

Five motor caravans being stored in the back entry didn't go unnoticed by the neighbours and eventually the police arrived and politely asked Derek and his father to move them. Premises were quickly found and by April 1969 we opened fully, first calling ourselves Carahome (Carry-a-home) but soon changed to Manchester Motor Caravan Company...

...(The rest they say is history)

In September that year they had decided to sell it. One advert saw people "fighting" to buy! That is when Derek thought, 'there is a future in this' and over the course of the winter built five more motor caravans ready to be sold in the spring.



1980's

WOW!...2023

1990's



DEREK'S TIPS FOR EASY CAMPING

THE DOMETIC FRIDGE

24 hrs before going camping light the fridge on gas & put in all your provisions

Before driving off to camp turn the switch on the front of fridge to 'battery' sign for travelling

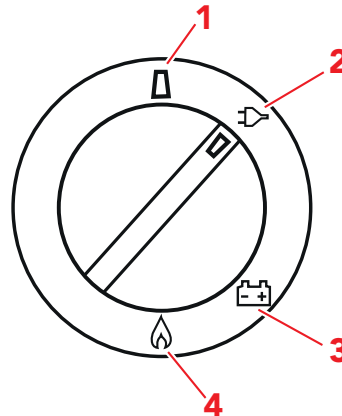
When you are plugged into mains at your destination turn switch to 'plug'

Your fridge will work on mains like your household fridge during your stay

Note: The fridge can only run on battery whilst driving, it switches off automatically when you stop driving

Note 2: Always turn off gas at bottle before travelling

- 1. OFF
- 2. PLUG (MAINS)
- 3. BATTERY
- 4. GAS



ARRIVAL AT THE SITE

The first thing to do is attach mains lead to site mains and check mains is all working to camper.

Then I turn 12V control panel switch to "Leisure" this means all my 12V appliances are working via auxillary secondary battery and not vehicle battery.

Although I should point out here that they are actually working from mains via your mains 12V transformer.

This is the box you will find tucked away somewhere near rear of your camper.

The panel also controls electric supply to your lights and water.

THE WATER SYSTEM

Turn on pump switch on. Panel turn on tap hey presto "Water".

BEDS

This is up to you but if you're going out for the night to eat, we usually make the bed up as we go out, ready to flop in when we return.

INFORMATION RE TWIN BATTERY SYSTEM

This is fully automatic when you are driving alternator charges both batteries as required to keep them both topped up.

Happy Campervanning
Enjoy your camper

ON SITE TROUBLE SHOOTING ADVICE

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- 7. Gas System
- 10. •. Connecting Mains Electric
- 12. Connecting 12V Electric
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- 16. Webasto Fridge
- 22. Use of Cassette Toilet
- 26. •. Paintwork/Care of your Roof





LOVE YOUR LEISUREDRIVE?



Recommend a friend and if they buy a camper van from us, you both receive

£100 OF MARKS
& SPENCERS
VOUCHERS

Telephone: 01204 574478

Email: mail@leisuredrive.co.uk

Conditions: You must advise us in advance, no retrospective claims.

IF YOU



YOUR LEISUREDRIVE
SAY SO!

Put a review on



and get **£20 off** your next

HABITATION CHECK



WARNING!!

FOR YOUR OWN SAFETY!! NEVER USE YOUR GAS HOB,
OVEN OR ANY OTHER GAS APPLIANCE TO HEAT THE INTERIOR
OF YOUR CAMPER AS IT CREATES CARBON MONOXIDE
AND WILL KILL YOU IN YOUR SLEEP.

WHILST COOKING!!

ALWAYS ENSURE ADEQUATE VENTILATION VIA AN OPEN ROOF VENT,
WINDOW, OR DOOR, WHEN COOKING WITH ANY GAS APPLIANCE.



MESSAGE FROM LEISUREDRIVE

We love all our customers and will try to look after your Leisuredrive at all times. But please understand that March is a very busy period and it is difficult to accommodate everyone before their first trip out in the new season. So if your camper has been hibernating in the winter, wake it up early!

THINGS YOU MUST DO OUT OF SEASON

Drain water system, remove pump from container or if you have an underfloor tank open the drain tap on the tank. Turn on pump until tap "spits" air only. Switch off pump and finish by giving the nozzle of the tap a gentle "tap" to remove any excess drips.

Note: Re water heaters. If you have a water heater drain accordingly to manufacturers instructions including opening drain tap.

Also keep auxiliary battery charged up test 12v/pump fluorescent lights etc light fridge and hob.*

*Start and run Webasto Diesel Heater.

CASSETTE TOILET

You must empty and drain Thetford cassette toilet as per Thetford manual instructions.

DUE TO HEAVY PRE-SEASON DEMAND, PLEASE TRY TO AVOID MARCH FOR HABITATION SERVICES.

BATTERIES VEHICLE AND AUXILIARY

DO NOT park your vehicle up out of season, it needs a 30 mile run every 2 weeks, and your auxiliary battery needs charging every 2 weeks via household mains connector supplied.

LEISUREDRIIVE CAMPERVANS LTD

UNIT 4 FISHBROOK IND EST, STONECLOUGH RD, KEARSLEY,
BOLTON, BL4 8EL

01204 574498 – email: vicky@leisuredrive.co.uk

VAT NO: 704-0066-84 CERT. No.

COMPANY REG NO: 3324218 DATE:

GAS CERTIFICATION No.: WE764120/14180

CERTIFICATE OF BUILD & ENGINEERS REPORT

VEHICLE DETAILS

TYPE:

REG:

MILEAGE:

TYPE OF LAYOUT:

SUMMARY OF WORK: (SEE OVER FOR SPEC)

SPECIAL NOTES:

ESTIMATED RETAIL VALUE: £

THIS CERTIFICATE ALSO CERTIFIES THAT AFTER BUILD BY LEISUREDRIVE THE ABOVE VEHICLE COMPLIES AS A CAMPERVAN AND INCLUDES:

A BED WITH A MINIMUM LENGTH OF 6FT
SEATING AREA FOR DINERS TO SIT ROUND A FIXED TABLE (ALSO REMOVES FOR STORAGE)
A PERMANENT INSTALLATION TO HOUSE A WATER CONTAINER
WARDROBES OR CUPBOARDS
GAS OR HOB
WINDOWS ON BOTH SIDES
A HORIZONTAL SLIDING SIDE DOOR AND AN OUTWARD OPENING REAR / SIDE DOOR.

SIGNED ON BEHALF OF: LEISUREDRIVE FG LTD:.....

PLEASE NOTE:

THIS IS A GENERAL REPORT, AND SPECIFICATION MAY VARY SLIGHTLY PER VEHICLE. THE COMPANY RESERVES THE RIGHT TO ADOPT ANY CHANGE IN CONSTRUCTION DESIGN OR SPECIFICATION WITHOUT NOTICE. AND THE VEHICLE OWNER SHALL ACCEPT THE CAMPER BUILD SO CHANGED IN FULFILMENT OF THE CONTRACT WITHOUT THE COMPANY BECOMING LIABLE TO THE VEHICLE OWNER IN ANY FUTURE MANNER WHATSOEVER.

FACTORY FITTED CAMPERVAN BUILD PACKAGE

- A. THIS IS A SPECIAL PACKAGE MARKETING BY LEISUREDRIVE CAMPERVAN LTD WHEREBY THE ROOF EXTENSION, VAN SIDE WINDOWS COMPLETE INTERIOR TRIM AND VEHICLE FUSED ELECTRICAL PANEL PLUS THE INTERIOR FURNITURE COMPRISING OF: COMPLETE VENEER FACED FURNITURE (SPECIFICATION COMPLIES WITH H.M CUSTOMS & EXCISE REQUIREMENTS) INCLUDING KITCHEN, BED, DINING FACILITIES AND WARDROBE ALSO INCLUDING FOAM UPHOLSTERY AND CURTAIN SET (CHMR FOAM) ARE FACTORY FITTED BY LEISUREDRIVE. ON COMPLETION A CERTIFICATE OF AUTHENTICITY OF CONVERSION IS ISSUED. INDIVIDUAL TECHNICAL DETAILS OF THE VARIOUS PROCESSES ARE LISTED BELOW.

SIDE WINDOWS

- C. THESE ARE FITTED IN THE VEHICLE MANUFACTURERS INSET PANELS ONLY ANTIDRUM STRUTS ARE REMOVED FOR THIS PURPOSE. WINDOW FITTED ARE OF BRITISH STANDARD SAFETY GLASS & CLATRONITE RUBBER MOUNTED FIXED HI-TOP ROOF
- D. THE HIGHTOP ROOF IS OF GRP CONSTRUCTION AND COVERS THE WHOLE OF THE VEHICLE ROOF TO GIVE ADDED PERMANENT HEADROOM. A SECTION OF THE METAL VAN ROOF IS REMOVED. THE CAB AREA AND STRENGTHENING STAY ARE REMOVED AND THE VEHICLE IS RESTRENGTHENED WITH AVG APPROVED STEEL FRAME.

ELEVATING ROOF

- E. THE ELEVATING ROOF IS OF G.R.P CONSTRUCTION AND COVERS THE WHOLE OF THE VEHICLE ROOF TO GIVE ADDED PERMANENT HEADROOM. A SECTION OF THE METAL VAN ROOF IS REMOVED. THE CAB AREA AND STRENGTHENING STAY ARE REMOVED AND. THE VEHICLE IS RESTRENGTHENED WITH VAG APPROVED STEEL FRAME.

GENERAL

NO STRUCTURAL AREAS OF THE VEHICLE ARE REMOVED AND SEAT BELT MOUNTINGS ARE NOT AFFECTED OR ALTERED. IN ANY CASES WHERE HOLES ARE CUT OR STAYS REMOVED THESE ARE RESTRENGTHENING WHERE REQUIRED. WHERE HOLES ARE CUT OUT. A RUSTPROOFING AGENT IS APPLIED. THE V/W ROOF IS RESTRENGTHENED USING AN APPROVED VAG STRENGTHENING FRAME.

ALL LEISUREDRIVE SEATING AND SEAT BELTS BOTH CAB AND REAR ARE IN VEHICLE PROPERLY CRASH TESTED UNITS.

- F. ELECTRICAL SYSTEM 12V LED LIGHTS ARE KEYED INTO VEHICLES EXISTING FUSED INTERIOR LIGHT SYSTEM
- G. ELECTRICAL SYSTEM WHERE MORE 12V ELECTRICALS ARE REQUESTED THESE ARE CONNECTED TO A SWITCHED FUSED ELECTRICAL CONTROL PANEL (EACH ITEM IS INDIVIDUALLY FUSED)
- H. FRIDGE/240V MAINS THE FRIDGE IS FITTED IN ACCORDANCE WITH DOMETIC INC. EXHAUST TO EXTERIOR AND SAFETY TAP. THE MAINS SUPPLY IS WIRED THROUGH AN RCD AND WATERPROOF EXTERIOR SOCKET. IN CASE OF ANY FAULT RCD WILL CUT OFF MAINS SUPPLY.

- J. LPG GAS SYSTEM FOR VEHICLE COOKING HEATING ETC. AS SUPPLIED ALL GAS CONNECTIONS, COPPER AND RUBBER SITED IN A SUITABLE CUPBOARD WITH FLOOR MOUNTED VENT. ALL GAS APPLIANCES AND SYSTEMS ARE TESTED FOR LEAKS BEFORE LEAVING THE FACTORY. A SEPARATE GAS TAP IS INSTALLED FOR EACH APPLIANCE THIS GAS TESTING SHOULD BE CONTINUED ON A REGULAR BASIS. IF ANY LEAKS ARE DETECTED TURN OFF GAS AT BOTTLE AND DO NOT USE UNTIL YOU HAVE CONTACTED YOUR NEAREST AUTHORISED CORGI GAS.

LEISUREDRIIVE CAMPERVANS LTD

Campervan Build Guarantee

This product is manufactured by LEISUREDRIIVE. It is fully guaranteed against any fault or defect in workmanship & materials for a period of 2 years or guarantee lapses (as from date below) after 1 year, if habitation service is not carried out annually. The only exception to this guarantee are in the case of abuse or incorrect usage or if any vehicle is hired out in which case a limited warranty only shall apply. See conditions below. Due to the standard and quality of LEISUREDRIIVE products it is unlikely that you will have any problems.

* This guarantee applies only to the vehicle mentioned below and no responsibility can be accepted for any warranty work unless the goods / vehicle are returned to LEISUREDRIIVE, BOLTON.
*Strictly by appointment only.

HEAVY USAGE / ABNORMAL USE

Use as a campervan hire vehicle or living full time in the campervan are
NOT included in Club Leisuredrive's offer.

The Guarantee is campervan build only and does not extend to the base vehicle in any way or manner. NOTE - Vehicles which are not new build only carry a 1 year limited conversion warranty.

HABITATION SERVICE

A HABITATION SERVICE IS ESSENTIALLY IMPORTANT FOR YOUR SAFETY & INCLUDES
A THOROUGH EXAMINATION OF YOUR CAMPER WITH GAS TESTING, MAINS, 12V/
ELECTRICAL TESTING & WATER SYSTEM.

THIS IS RECOMMENDED EVERY 12 MONTHS & FORMS A STAMPED SERVICE HISTORY
RECORD OF THE LIVING AREA OF YOUR CAMPER.

NOTE

**FAILURE TO HAVE HABITATION SERVICE AFTER THE FIRST YEAR
NULLIFIES THE GUARANTEE**

GUARANTEE TERMS & CONDITIONS

GUARANTEE VALID FOR THE FIRST ORIGINAL OWNER, CHANGE OF OWNERSHIP NULLIFIES
GUARANTEE UNLESS NOTIFICATION MADE TO LEISUREDRIIVE AND CHANGE OVER ADMIN FEE OF
£50.00 IS PAID. A HABITATION SERVICE IS RECOMMENDED BY LEISUREDRIIVE AFTER EACH 12
MONTHS OF OWNERSHIP TO ENSURE YOUR CAMPERVAN IS SAFE.

A HABITATION SERVICE IS RECOMMENDED EVERY YEAR, EVEN AFTER THE GUARANTEE EXPIRES.
YOUR SERVICE BOOK WILL BE STAMPED ACCORDINGLY.

REG. No.:.....DATE OF BUILD:.....

MANUFACTURERS EQUIPMENT

NOTE THAT THIS GUARANTEE DOES NOT COVER MANUFACTURERS EQUIPMENT EG. HOBBS,
FRIDGES, HEATERS ETC.) MOST OF WHICH HAVE 12 MONTHS GUARANTEE (MAKE SURE YOU
SEND OFF WARRANTY CARD WHERE REQUIRED) WHERE AN EXTENDED WARRANTY IS
AVAILABLE (EG. FRIDGE) WE ADVISE YOU TO TAKE THIS OUT.

ROOF VENTS / PAINTWORK

ROOF VENTS ARE NOT COVERED UNDER GUARANTEE IF THEY HAVE "BLOWN OFF" DUE TO THEM
BEING LEFT OPEN WHEN THERE IS A WIND OR WHILST ON THE MOVE.
FIBREGLASS PAINTED COLOUR CODED ROOFS ONLY CARRY A 12 MONTH WARRANTY.

*** RESERVATIONS**

**HABITATION SERVICE/RESERVATION CAN ONLY BE MADE VIA THE E-MAIL
reception@leisuredrive.co.uk**



HABITATION SERVICE CHECK

INTERIOR	YES	NO	240V/MAINS	YES	NO	FINAL CHECKS	YES	NO
Adjust door catches			Test fridge			Check Safety labels fitted		
Ensure window catches work			Check mains inlet			Hose pipe water leak test		
Check security of furniture			Test ELCB			Body work leak test		
Do curtains run freely & end stops fitted			Test PB10 transformer			Test awning		
CAB SEATS			Test all 240v sockets			Check upholstery		
Check action of cab seats			Earth bonding in place			Check velcro		
Check swivel and fixing bolts			Test 240v heater			ITEMS REMOVED AT CHECK		
Inspect sliding action bolts			GAS					
Bed makes up correctly			Test hob					
Check base seat bolts			Test oven/microwave					
Operation of all seat belts			Test fridge					
WATER			Customer's own gas bottle					
Customer water container fitted			Is gas spanner in van					
Test water taps			Gas leak test completed					
Test water pump			ROOF					
Check pipe fitting for leaks			Check high top sealant					
Waste pipe through floor			Check drain holes in gutter					
Test water heater			Elevating operation					
Check underfloor tank			Elevating roof sealed joints					
Check external pipes or wires			Elevating roof catches					
ALL ITEMS CHECKED			Front pod sealed					
			Strut retaining pin installed					
			APPLIANCES					
			Test diesel heater					
			Test fridge					
			Test water heater					
Appliances are checked not serviced			Flame Failure FFD device					
			12V					
			Control panel					
			12v lighting					
			12v sockets					
			Split relay					
			ALL ITEMS CHECKED					
						ALL ITEMS CHECKED		



EXTRA RECTIFICATION CARRIED OUT:

TECHNICIANS SIGNATURE:

CUSTOMER:

DATE:

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LD08 REV 5



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Check security of furniture			Test ELCB			Body work leak test		
Do curtains run freely & end stops fitted			Test PB1.0 transformer			Test awning		
CAB SEATS			Test all 240v sockets			Check upholstery		
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LD08 REV 5

Customer Loyalty

Having a second conversion?

Then let us know by giving us your previous certificate number and you instantly receive a discount for your loyalty.

This voucher is also valid against low season offers.

THIS MEANS A MASSIVE EXTRA SAVING
WHEN YOU HAVE A CONVERSION
AT OUR LOW SEASON TIMES.
(LOOK OUT FOR THESE IN OUR BROCHURE)

LEISUREDRIIVE
RESERVE THE RIGHT TO CANCEL/DECLINE
THIS OFFER AT ANY TIME

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Please note that this hand book covers General Specifications and Models so may vary



ARRIVAL AT THE SITE

The first thing to do is attach mains lead to site mains and check mains is all working to camper

If there is any problem, please check the site supply is working and not "Tripped Out"

Then I turn 12V control panel switch to 'Leisure' this means all my 12V appliances are working via auxillary secondary battery and not vehicle battery

Although I should point out here that they are actually working from mains via your transformer

This is the box you will find tucked away somewhere near rear of you camper

The panel also controls electric supply to your lights and water

THE WATER SYSTEM

FILL CONTAINER

TURN ON PUMP SWITCH ON

PANEL TURN ON TAP HEY PRESTO "WATER"

BEDS

This is up to you but if you're going out for night to eat we usually make bed up as we go out, ready to flop in when we return

GAS - REMEMBER TO ALWAYS TURN OFF GAS AT BOTTLE BEFORE GOING TO BED

INFORMATION RE TWIN BATTERY SYSTEM

This is fully automatic when you are driving

Alternator charges both batteries as required to keep them both topped up

Happy Campervanning

Enjoy your camper

THE CAMPERVAN CODE

The purpose of introducing a Code of Conduct for Motor Caravanners is to be seen to be doing all we can as an industry to ensure that motor caravans are looked on sympathetically by legislators and other opinion formers.

The main elements should cover such things as responsible camping, safe and considerate driving, parking, and other areas where a motor caravanner could cause abuse or nuisance if he or she is not careful.

Here is a brief outline of the main points:

ON SITE

- › Keep to roadways unless otherwise directed.
- › Adhere to speed limits. Note that these are generally 10 mph. (Remember that the stopping distance on grass is considerably greater than on Tarmac.)
- › Ensure that all fresh water taps/connections are turned off after use.
- › Have care and consideration when using all facilities (toilets and showers etc.) and leave clean and tidy. Young children should be escorted.

› If the vehicle is not fitted with a waste water tank a suitable receptacle should be put below all waste water pipes. Do not let these containers overflow.

- Dispose of all waste water where instructed.
- Empty effluent from chemical toilets where instructed.
- Put all litter in containers marked for the purpose.
- Do not make excessive noise.
- Petrol generators, unless silenced, should be used with consideration.
- All dogs and other pets should be kept under control.
- Adhere and take note of all fire precautions noting the whereabouts of the fire points.
- Unless permission has been granted barbecues should not be used. When permission has been given consideration should be given to the annoyance that can be caused to other users of the site. Similarly, open fires are not allowed.
- Awnings and tents should only be used when permission has been obtained.
- Leave the pitch clean and tidy.
- On leaving, check out with the reception paying the required dues.

- Camping away from licensed sites, without the land owners or his agents permission, is not allowed in the United Kingdom.

ON THE ROAD

- Motor caravans should only be parked in approved places.
- When using a motor caravan on either the public highway or private roads the Highway Code should be complied with and full consideration given to other road users
- In the event of a motor caravan travelling slowly and there being a queue of traffic behind, the driver of the motor caravan should, where possible, pull over in order to let the other traffic pass.
- Before using a motor caravan all aspects of the handbooks produced by the chassis manufacturer and the converter must be read and adhered to.
- Care and consideration should be taken to protect the environment.
- Observe the Country and Coastal Codes.
- Switch 12V to car battery when in transit.

A full copy of the Motor Caravanners' Code can be obtained from the NCC

PREPARING FOR THE ROAD

PRE-LOAD CHECKLIST BEFORE LOADING CHECK

› loose articles are stowed securely.

Do not stow tins, bottles or heavy items in overhead lockers.

› all lockers and cupboard doors are closed and secured.

› all roof lights are closed and secured.

› main table is stored in its transit position.

› fridge is on 12V operation and door lock is set.

› all windows are fully closed and latched.

Leave all curtains and blinds open to aid rear visibility.

› gas cylinders are correctly positioned, secured and turned off.

› battery is secure and connecting cable is disconnected and stowed.

ROOF RACKS

Some models of Leisuredrive vans are fitted with a roof rack

Care is needed when using this facility. Leisuredrive recommend you exercise extreme caution when loading and unloading.

DO NOT ALLOW CHILDREN TO CLIMB ONTO THE ROOF.

DO NOT EXCEED THE STATED MAXIMUM LOAD

ROOF LOADING

N.B. When loading the roof rack, make sure the load is spread evenly.

LOADING AND DISTRIBUTION OF WEIGHT IN THE MOTORHOME

Do not exceed recommended maximum loading for your motorhome.

Note Please take care that you have allowed for the masses of all items you intend to carry in the campervan

E.g. – passenger's optional equipment's, personal clothing etc. etc.

Warning!

under no circumstances should the maximum technically permissible laden mass of the camper van be exceeded

ON THE ROAD

PULLING OFF

Engage the clutch smoothly.
Avoid wear and tear on clutch and transmission by taking extra care.
Change gears smoothly.
Try not to jerk the clutch.
Motorhome Handling
Do not bump kerb with wheels.
When passing other vehicles allow more than the normal clearance.
Allow longer to get up to speed to pass.
Do not suddenly swing out.
Carry out all manoeuvres as smoothly as possible.
Use nearside wing mirror to check motorhome has cleared when overtaking.

MOTORWAY DRIVING

1. Reducing Speed:
 - i) In high or cross winds
 - ii) Downhill
 - iii) In poor visibility
2. High sided vehicles cause air buffeting so extra care must be taken when passing or being passed. As much space as possible should be given.

CHANGING A WHEEL

1. Ensure handbrake is applied
2. Remove the hub cap.
3. Use wheel brace to slacken off wheel nuts on the wheel to be changed.
4. Position scissor jack at the appropriate jacking point.
5. Jack up the motorhome until the wheel for removal is just off the ground.
6. Remove the wheel nuts and remove the wheel.
7. Fit spare wheel and reverse the above procedure.

WARNING: Ensure the wheel is of the same construction and size as the one that has been removed.

JACKING

Front and Rear — jacking point as per vehicle handbook.

Please Note:-

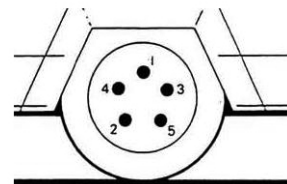
In the interest of safety, replacement parts for any appliance shall conform to the appliance manufactures specifications and should be fitted by himself or his authorized agent

Please note:-

That heavy and/or voluminous items (e.g. TV, radio...) shall be stored securely before travelling.

Turn off all gas appliances, except those heating appliances designed to function while the vehicle is in motion.

Make reference to the base vehicle handbook for matters relevant to the motor caravan as a road vehicle.



SAFETY & SECURITY

IMPORTANT:

Your attention is drawn to the notice affixed in the motorhome advising on fire prevention, ventilation and what to do in case of fire.

CHILDREN

Do not leave children alone in the motorhome in any event, keep potentially dangerous items out of reach as at home, e.g. matches, drugs, etc.

FIRE EXTINGUISHERS

It is recommended that a 1 kg (21b) minimum capacity dry powder fire extinguisher be carried inside your motorhome at all times.

(When using a dry powder extinguisher, it is suggested that the motorhome be evacuated until the powder has settled to avoid inhalation.)

A Chip pan fire should not have an extinguisher aimed at it but be smothered with best practice being a fire blanket.

IN CASE OF FIRE

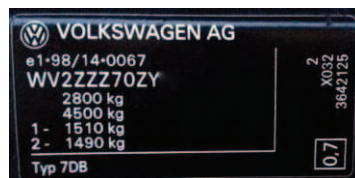
1. Get everyone out of the motorhome as quickly as possible using whichever exit is the quickest including windows. Do not stop to collect any personal items.
2. Raise the alarm — Call the fire brigade.
3. Turn off gas container valve if safe to do so.

Ventilation and Condensation

All Leisuredrive campervans comply with British Standard 5601 Part 1. The ventilation points on your motorhome are fixed points of ventilation which are stated by the British Standards. Under no circumstances must these vents be blocked or obstructed. It is advised that fixed ventilation points are checked and cleaned (if necessary) on a regular basis.

SECURITY Chassis number

Record your motorhome chassis number (which can be found stamped on a plate under the bonnet) Make a note of this number in the space



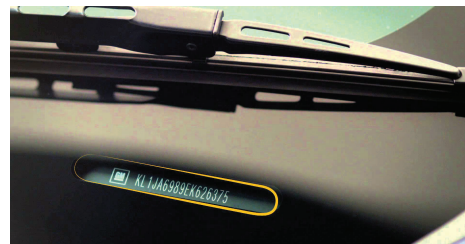
provided at the front of this handbook and make a separate note of the number to keep safe at home.

Motorhome Theft

The theft of a motorhome can occur in the most unlikely circumstances; from a motorway service area, even from an owner's driveway. Secure all windows and doors when your motorhome is unoccupied even if only for a short length of time.

Additional Security

Consider fitting any device which might deter or prevent intrusion by thieves. A wheel lock prevents removal of the wheel. Window etching of the chassis number is a cost effective deterrent. Free crime prevention Advice about securing your motorhome, protecting your valuables, property marking, either at home or whilst on site, can be obtained from the Crime Prevention Officer through your local Police Station.



ARRIVAL AT SITE

CHECK SITE REGULATIONS

SELECTING A PITCH

Carefully select where you wish to place your motorhome. The site should be as level as possible, preferable not under or near trees, well drained and away from possible boggy areas. Consider how you will move the motorhome when it is time to leave the site. On sloping ground it is better to pitch facing downhill, especially during the rainy season.

LEVELLING

It is important that the motorhome is correctly levelled to ensure the correct working of the refrigerator, cooker, awning etc.

extinguisher aimed at it but be smothered with best practice being a fire blanket.

Useful devices to help level a Campervan



Please note:-

it is recommended, that any elevating roofs be raised when the leisure accommodation vehicle is used for habitation purposes.

CONNECTION OF SERVICES

Connection of services are dealt with under separate headings. In all cases become familiar with manufacturers' instructions.

Never Allow modification of electrical or LPG Systems and appliances except by Qualified persons , Care should be taken

Before making connections of any description to the motorhome ensure ALL equipment is turned off and that where appropriate switches are moved to the on site positions.

WATER SYSTEM

a) Fresh Water Tank

Fill the tank with fresh water from a known drinking water supply using a hosepipe which is recommended for use with drinking water alternatively by means of a container, and funnel; the tank is full when the water reaches the top of the tank

NOTE: It is recommended that the fresh water tank is sterilised at the beginning of each season's use with one of the proprietary products following the instructions given.

b) Waste Tank

When used with a waste water tank which accepts all waste water from the sink, handbasin.

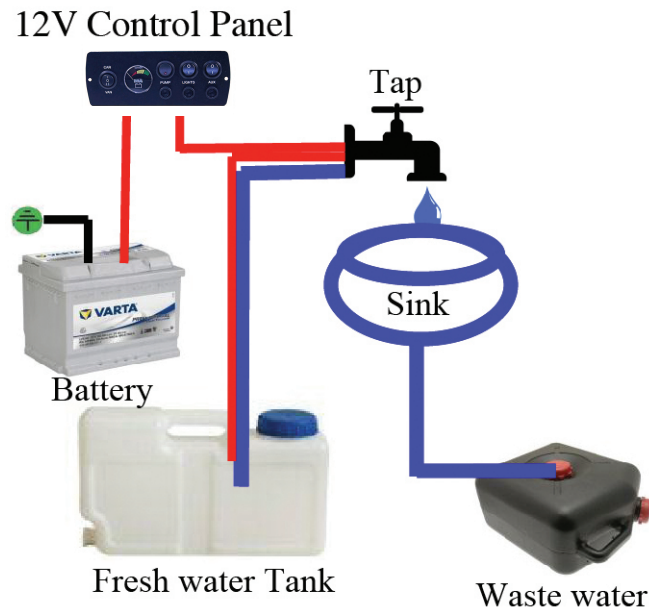
When full the waste water tank can be Emptied when full.

When you are ready to leave site, dispose of as directed by your site rules

COLD WEATHER USE

You will find that certain pipes (waste water) run outside and underneath your Motorhome.

In colder weather it may be desirable to insulate these pipes. This can be done by using foam insulation tubing from your local DIY store.



GAS SYSTEM

Turn on gas at main cylinder.

GENERAL INFORMATION

GAS BOTTLES

Bottled L.P. gas is the most convenient portable source of fuel for your motorhome.

Make sure that heating, cooking appliances and gas cylinders are switched off before you move the motorhome.

Regularly check flexible gas hose, joints and connections for tightness. Finally make sure that each gas appliance is working efficiently to the recommendations of the appliance manufacturers.

THE REGULATOR

The regulator is a governing device which operates at 30 mbars pressure

It adapts the bottle pressure to one that suits the equipment in the motorhome. The gas system should be checked on an annual basis by a competent person

Note: Regulator valves should always be in the 'OFF' position when the motorhome is on the move.

HOSES

Hoses should be made from Neoprene, which is black and should conform to BS 321 2. Rubber hosing should never be used. It is good practice to replace hoses annually, and a jubilee clip is a worthwhile addition to prevent accidental removal of the hose.

TYPES OF GAS BUTANE

Butane is supplied in the U.K. in Green, Blue or Aluminium bottles.

All these have a male left hand thread except for Camping Gas which has a female right hand

Continental bottles usually have a male left hand thread similar to but not identical with U.K. Butane.

Butane is suitable for use at temperatures down to 2 °C but will not work below that.

PROPANE

Propane is supplied in Red, or partly red bottles which have a female left hand threaded connector.

Scandinavian countries use the same connector. Germany or Austria supply Propane with a male connection.

Propane will work at temperatures as low as - 4 0 ° C and is therefore suitable for all winter caravanning

WARNING!

Do Not use cooker or other gas appliances other than for what they are designed for!

NEVER use portable cooking or heating equipment, other than electric heaters that are not of the direct radiant type, as it is a fire and asphyxiation hazard;



GAS SAFETY ADVICE

FACTS ABOUT LPG

LPG is not poisonous.

Bi-products are harmless.

There is danger if all air and oxygen were excluded. (Ventilation holes must be clear at all times).

LPG has been given a smell by the manufacturers in order to identify leaks.

AWNING SPACES LPG APPLIANCE EXHAUST

There is no danger of pollution of an enclosed awning space from the LPG exhaust from a refrigerator venting into it. Space heaters may produce sufficient exhaust to pollute the awning space, if it is totally enclosed, from a general comfort, smell and hygiene point of view. In the extreme case there could be a build up of carbon dioxide to a dangerous level.

Motorhome owners are advised to allow some fresh air circulation in the awning space when such appliances are in use. To avoid accidents the following fundamental advice should be carefully read before using gas appliances or changing gas cylinders.

a) Always read and follow the user and maintenance instructions provided the manufacturers of gas equipment. Should any soot accumulate on pans, fire radiants, etc. or any smell be produced, consult a competent installer on the correct maintenance and adjustment of burners.

b) Never check for gas leaks with a naked flame.

d) Never use gas appliances without adequate ventilation. All gas appliances require a plentiful supply of fresh air for correct operation. Fixed ventilators or air inlets should not be stopped up. Where practicable, turn off all appliances before retiring to bed, preferably at the cylinder or inlet to the caravan or other dwelling.

e) Unless the appliance incorporates automatic ignition, when lighting an appliance always make sure you apply a lighted match or taper to the burner before turning on the gas.

f) If an appliance is disconnected for repair, maintenance, etc. ensure that the gas line is capped off.

g) If taps are stiff to operate or appear to be a source of leakage, call in a competent installer to rectify. LPG taps require a special grease.

h) Always seek advice when in doubt.

PRECAUTIONS

a) Never look for a leak with a match. Always use a soap solution or its equivalent when testing connections. Do not operate any electrical apparatus whatsoever, especially light switches. If the leak is not obvious, the motorhome should be evacuated and qualified personnel consulted. The gas bottle should be turned off.

b) Avoid naked lights when connecting or changing a cylinder.

c) Check the flexible hose frequently.

d) The gas is heavier than air and therefore sinks to the lowest point.

GAS SAFETY ADVICE - cont

ROOF-MOUNTED FLUE INSTALLATIONS

All flue installations should be inspected once a year throughout their length for corrosion. Flues should be replaced if any sign of perforation is found. Ensure that the replacement is on an approved type.

Warning that external LPG supply, to external supply plug-ins shall not be less than 0,3 bar and not greater than 0,5 bar.

- NEVER allow modification of electrical or LPG systems and appliances except by qualified persons. Care should be taken that any additional equipment or appliances are installed in accordance with the appliance/equipment manufacturers instructions (e.g. air conditioning, satellite dish, bicycle rack, fuel cells).

Warning notice for flues which terminate below the floor, where appropriate, to require that free evacuation of the products of combustion is always maintained and at least three sides of the underfloor space shall always be kept open and unobstructed especially by snow, and no additional opening in the floor to be made;

Warning that inside outlet sockets shall only be used with dedicated appliances;

Warning that no appliance shall be used outside when being connected to the internal socket;

No heating to be used while the vehicle is in motion only the base vehicles heater

CONNECTION OF SERVICE

ELECTRICITY

Your attention is drawn to the following notice as laid down by the Institute of Electrical Engineers.

INSTRUCTIONS FOR ELECTRICITY SUPPLY

ON ARRIVAL AT CARAVAN SITE

1. Before connecting the motorhome installation to the mains supply, check that (a) the mains supply is suitable for your installation and appliances, i.e. whether it is a.c. or d.c. and whether it is at the correct voltage and frequency, and
(b) your installation will be properly earthed. Never accept a supply from a socket outlet or plug having only two pins, or from a lighting outlet.

Propane and butane are stored in cylinders as liquids under pressure. When the pressure is released, i.e. when the cylinder valve is opened, the liquid boils and gas is evolved. Both gases are heavier than air and any leaking gas will tend to collect at a low level. The gas has a strong and

unpleasant smell which enables leaks to be easily detected.

The gas is highly flammable and a small quantity of gas in air can form an explosive mixture. Cylinders shall be used and stored always in a vertical position with the valve uppermost.

(c) any residual current device (earth leakage circuit breaker) in the mains supply to the motorhome has been tested within the last month. In case of doubt, consult the site owner or his agent.

2. MAKE SURE THAT THE SWITCH AT THE SITE SUPPLY POINT IS OFF.

3. Remove any cover from the electricity inlet provided on the motorhome, and insert the connector of the supply flexible cable obtained from the site owner.

4. Remove any cover from the socket outlet provided at the site supply point, and connect the plug at the other end of the supply flexible cable to this. Switch on the main switch at the site supply point.

**IN CASE OF DIFFICULTY CONSULT
AN APPROVED ELECTRICAL
INSTALLATION CONTRACTOR (WHO
MAY BE THE LOCAL ELECTRICITY
BOARD). IT IS DANGEROUS TO
ATTEMPT MODIFICATIONS AND
ADDITIONS YOURSELF.
LAMPHOLDER-PLUGS (BAYONET-CAP
ADAPTORS) SHOULD NOT IN ANY
CIRCUMSTANCES BE USED.**

On leaving caravan site

5. Reverse the procedure described in Paragraph 3 and 4 above.

**IT IS IMPORTANT THAT THE MAIN
SWITCH AT THE SITE SUPPLY POINT
SHOULD BE SWITCHED OFF, THE
SUPPLY FLEXIBLE CABLE
DISCONNECTED, AND ANY COVER
REPLACED ON THE SOCKET OUTLET
AT THE SITE SUPPLY POINT. IT IS
DANGEROUS TO LEAVE THE SUPPLY
SOCKET OR SUPPLY FLEXIBLE CABLE
LIVE**

Periodically

6. Preferably not less than once a year, the Campervans electrical installation should be inspected and tested and a report on its condition obtained as prescribed in the Regulations for Electrical Installations, published by the Institute of Electrical Engineers.

CONNECTION OF SERVICE

OVERSEAS CONNECTIONS

Note: Connection to a mains voltage supply OVERSEAS requires particular attention.

Care must be taken when connecting supplies abroad since the supplies can be of REVERSE POLARITY.

The significance of REVERSE POLARITY is that when equipment is switched off it may not be electrically isolated.

The only certain way of making equipment safe is to unplug it. A means of checking the polarity of the mains supply when overseas is useful. There are available several proprietary makes of equipment for this purpose.

If it can be achieved, it is preferable to connect live to live, and neutral to neutral to maintain full electrical protection.

CHECK all motorhome equipment is setup To inspect the site supply before actually switching on.

MAINS UNIT

The Mains Unit replaces the conventional fusebox. Similar, but larger ones are often fitted in new houses.

The unit gives overload and earth leakage protection for the 240 V electrical supply in your motorhome.

For normal operation all switches on the unit need to be in the ON position. The switches on the left of the unit are known as M.C.B.'s (miniature circuit breakers).

In the event of a fault the M.C.B.'s 'trips' i.e. automatically moves to the OFF position.

After elimination of the fault the M.C.B.'s can be re-set by switching to the ON position. (Against the spring pressure in an upwards direction).

If an earth fault develops or a person was to touch a live piece of equipment the leakage of current to earth should immediately operate the RCD (residual current device) and 'trip' the main switch to the OFF position.

This switch is only re-settable after elimination of the fault.

Periodically the RCD should be checked by operating the test button marked 'T'. The unit should immediately switch to the OFF position. If the unit does not switch

off then a qualified electrician should be consulted.

If the unit does switch off, the test is complete and the switch can be re-set restoring the supply back to normal.

Note: Having too many appliances switched on at the same time will trip the RCD. This is a safety measure.



CONNECTION OF SERVICE

THE 12V SYSTEM

The 12 Volt Distribution Panel and Battery control and monitor the 12 volt electrical system, including the second battery (see illustration).

To accurately test the condition of your auxiliary battery turn the rocker switch on the extreme left of the control panel onto 'leisure'.

On the right of the panel is the USB port lift the cover where you will find a reading of the battery condition. If the reading is less than 9.5 charging by the mains electric system or driving of the vehicle is required.

The pump switch operates the water system

The Lights switch controls the 12v lights in the campervan

The Aux switch controls all other 12v feeds in the campervan

FUSES

The (fusing) in the control panel is built into each control switch. If there is a fault the switch will (TRIP OUT). If the switch will not turn on again, there is an electrical fault in the circuit and further investigation is required.

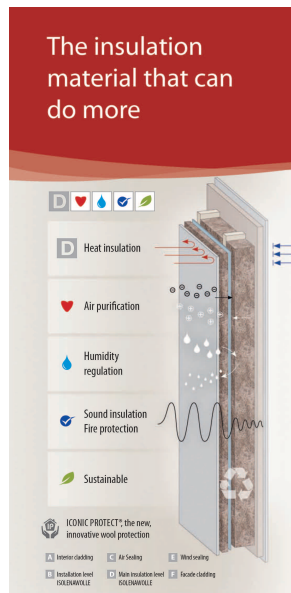
Any replacement of an auxiliary battery shall be of the same type and specification as that originally fitted or as specified by the manufacturer.

Please note the auxiliary battery is protected by an 25amp over charge fuse 12v control panel.

If replacing a blown fuse in a manufacturer-designed (factory) application, e.g. in a vehicle fuse panel, then the same type and rating of fuse should be used. If a fuse continues to blow then there must be a fault with the circuit and a higher rating fuse should never be fitted to overcome this, even temporarily. Doing this creates a high risk of component failure and electrical fire.



Leisure drive Campervans Use Sheepwool For the insulation of their Campervans



Nature has given us a unique, sustainable raw material whose use is the order of the day.

D Sheep wool is an outstanding insulator

ISOLENAWOLLE achieves top insulation values by its very nature and offers a unique combination of product benefits like no other insulation material.

♥ Creates a healthy climate in the room

Sheep wool is able to purify the air in a room with a very short space of time, removing many odours and harmful substances, such as formaldehyde.

💧 Regulates humidity

Sheep wool can absorb up to 33% of its own weight in moisture, without compromising its insulating effect.

✓ Represents quality and safety

ISOLENAWOLLE has been technically inspected many times, carries the international natureplus quality seal and holds the European Technical Approval (ETA).

🌿 Is a sustainable raw material

As a natural product, sheep wool is shorn twice a year and can be returned to the environmental cycle at any time.

Optimal Insulation rolls



OPTIMAL – the best available solution for standard application

- Applications: ceiling, roof, walls, floors, outside insulation, sauna, acoustic ceiling, wood panel houses, log houses
- density 18 kg/m³, technology needed
- $\lambda = 0,0385 \text{ W/m}^2\text{K}$
- Support felt (inside) for fast fastening



Optimal Insulation Rolls :



Optimal Insulation Rolls :for Vertical and Horizontal Applications with support felt for easy installation.

Optimal for Rafters



Standard product with support felt for fast fastening.

Dens density: 18 kg/m³
Thermal conductivity: $\lambda = 0,0385 \text{ W/m}^2\text{K}$

Optimal Insulation (18kg/m³)		Thermal Conductivity 0.0385 W/m²K					
OPT18 300x50	9000	300	60	2	3	3.42	10.26
OPT18 300x75	6000	300	75	3	3	2.28	6.84
OPT18 570x50	9000	570	60	2	2	5.13	10.26
OPT18 570x75	6000	570	75	3	2	3.42	6.84



Introducing new Ionic Protect



IONIC PROTECT – new biocide free wool protection system. Ecological, sustainable and durability proven!



IONIC PROTECT®: the new, innovative wool protection

is the most useful invention since virgin sheep wool to be used as insulation protection. Biocide-free, permanent and CUAP tested.



CAMPERVAN EQUIPMENT

The three-way AC, DC and gas power gives you freedom to travel. Now in its 5th series, the Dometic RM 5310 offers more than ever. Its temperature control saves energy, while the interior LED light and door storage for large bottles give added convenience. The remarkably spacious interior of this 50 l fridge, its flexible shelf system and silent operation make it the perfect compact fridge for mobile living.

DOMESTIC RM5310 REFRIGERATOR



GENERAL SKU number 9105703857
Short description Absorption refrigerator
Model RM5310
Model on label RM 5310

Scope of delivery 1 fridge; 1 manual, CD
Refrigeration technology Absorption

DIMENSIONS

Dimensions product depth 474 mm
Dimensions product height 618 mm
Dimensions product width 486 mm
Gross volume (DIN15502) 60.00 l
Net weight 20 kg
Freezer storage volume (DIN15502) 5.00 l

ELECTRICAL

Input voltage (AC) 230 V
Input frequency 50/60 Hz
Rated input power (AC) 125 W
Rated input power (DC) 120 W
Rated input current (AC) 0.5 A
Rated input current (DC) 10 A
Input voltage (DC) 12 V

PERFORMANCE

Refrigerant 1, type NH3
Noise (DIN60704-1 & 60704-2-14) 0.00 dB(A)
Climate class (DIN15502) SN
Gas pressure (DIN732) 30 mbar

ADDITIONAL

Interior light Yes
Hinge type Left hinged
Thermostat control Manual Thermostat
Color Black Grey
Certificates CE

LOGISTICS

EAN-13 4014742216403
Dimensions parcel depth 550 mm
Dimensions parcel height 650 mm
Dimensions parcel width 540 mm
Parcel weight 23 kg

6 TECHNICAL DESCRIPTION

The refrigerator is an absorption refrigerator.

The refrigerator is designed to operate with different types of power and can be run on an AC power supply, a DC power supply or with butane/propane gas. For DC operation, the vehicle battery or a solar system built on the vehicle can be used. For AC and gas operation, the thermostatic control ensures that the refrigerator temperature is kept constant and as little power as possible is consumed. The refrigerator has a locking mechanism to protect it during transport. The refrigerator has a defrost water drain. The drain opening is located on the rear panel of the refrigerator. The refrigerator is equipped with an automatic pilot light which automatically interrupts the gas supply after approx. 30 seconds if the flame goes out.

Control elements The RM5310, refrigerators have the following control elements:

- 1 Energy selection switch
- 2 Temperature controller
- 3 Battery ignition (gas)

Also see Dometic Fridge Handbook

(Also see Dometic Handbook)

Operating with AC power supply

► Switch the refrigerator on by turning the power selection button to the 'PLUG' position.

Operating with DC power supply

► Switch the refrigerator on by turning the power selection button to the 'BATTERY' position.

When the engine is running

Gas operation (Ref Dometic Material)

► Make sure that the gas supply is turned on.

► Turn the power selector switch to the 'GAS FLAME' position.

► Turn the temperature control to the maximum level (A).

► Press in the temperature regulator and hold it down.

► Press in the battery ignite as well and hold it down (B).

✓ The burner is ignited automatically.

The needle of the pilot light moves to the green zone once the burner has ignited (C).

► Press and hold down the temperature regulator for another 15 seconds

- Do not keep carbonated drinks in the freezer compartment.

- The freezer compartment is suitable for making ice cubes and for the short-term storage of frozen foods. It is not suitable for freezing foods.

- If the refrigerator is subjected to a room temperature below +10 °C for a longer period of time, even regulation of the freezer compartment temperature cannot be guaranteed.

That may cause the temperature of the freezer compartment to increase and the stored goods to be defrosted.

- Pack raw and cooked goods separately.

- Observe the best before date on the packaging.

- Do not leave cooled goods outside the refrigerator for too long.

- Clean the interior of the refrigerator at regular intervals.

Replacing the battery on the ignition RM5310

Proceed as follows

► Using a screwdriver, press the cap on the battery igniter in two or three mm and turn it 90° to the left.

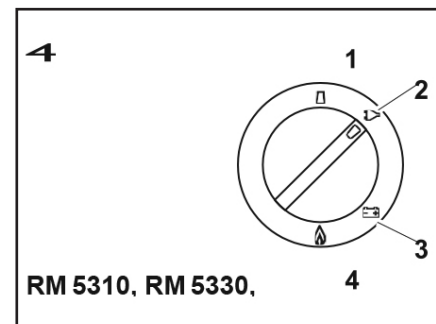
► Remove the cap.

► Remove the battery.

► Insert the new battery (type AA).

Make sure the polarity is correct.

► Put the cap back on.



WEBASTO FRIDGE

Medium CRUISE refrigerators: CRUISE 65 Elegance

The CR 65 EL fridge is based on the same new inner lining as the CR 49 EL including one adjustable shelf and two retainers inside the door. It also features a freezer compartment with a volume of 4 liters with magnetic steel evaporator door.

Advantages

- Volume: 65 liters
- Silent, high efficient, fan cooled 12/24V Danfoss / Secop compressor (type BD35F)
- Available with ASU
- Mounting frames for a complete flush integration
- Exclusive, complete stainless steel design (doors and handles)
- 4 litre freezer compartment

Technical details

CRUISE 65 INOX	
Type	CR 65 INOX
Volume (l)	65
Dimensions H x W X D (mm)	528 x 450 x 470
Power consumption (W/24h)	290
Weight (kg)	19,1



Use and Advice

Your Webasto 12v compressor fridge has been designed for use whilst you are dining or for when you are hooked up to mains 240 volt electric on site, using your PB10 power pack to replenish any charge used from your battery.

WARNING!

DO NOT leave the fridge switched on without being hooked up to mains 240v or driving the vehicle. As this will drain your battery.

A battery status display has been provided on your 12v control panel.

N.B.

NOT FOLLOWING THIS ADVICE WILL RESULT IN FLAT BATTERIES AND WILL NULL AND VOID ANY WARRANTIES.

240 A/C TO 12V (DC) CHARGING UNIT

This unit is a fully automatic battery charger connected to your camper section battery with a nominal voltage of 13.8 volts. The unit will charge and recharge the battery by raising the terminal voltage to equal that of the output of the battery charger. As the battery voltage increases, the input current from the battery charger automatically reduces until it ceases to this provides fast and efficient battery charging and eliminates the possibility of overcharging, unless the battery is faulty.

WARNING!

If the battery is discharged, the load drawn by the accessories in use must not exceed the rated output of the charging system.

The 12 volt electrical supply should be taken from the secondary battery with the exception of the refrigerator which is taken from the vehicle battery when running. The internal lights, water pump, and 12 volt socket are on a common circuit protected by a 25 amp fuse.

Each appliance, with the exception of the socket, has its own ON/OFF switch.

The refrigerator is on a separate circuit protected by a 15 amp fuse with the supply controlled by the engine ignition switch via a relay. The relay and fuses can be found adjacent to the battery.

Internal Lighting

Lighting is provided by led fluorescent type lights. types are fitted, one with a single strip of led's, swivel spotlights are at the front of the van and some models have touch sensitive led spotlights with dim controls built in

Water Pump

With the isolating switched on, the water pump is controlled by a built-in micro switch in the tap The pump uses approximately 6 amps when running.

12 volt Internal Socket

Maximum load should not exceed 5 amps.

Battery

All campervans are fitted with a battery which is vented, heavy duty, 12V battery should be purchased to provide power for lights, fridge and other electrical appliances. The recommended size for a battery box is either a 60 or 90 amp power box of a proprietary brand leisure battery. The battery must also have a tube venting capability.

WARNING!

Explosive gases may be present at the battery — prevent flames and sparks.

Your motorhome has been fitted with an in-line fuse between the battery terminal and strip connector. It is recommended that the fuse rating fitted in this location does not exceed 25A.

When fitting the battery, ensure that the correct polarity is observed and that terminals are securely fastened.

Ensure the battery is secured with the strap provided.

Under normal circumstances it should not be necessary to remove the battery other than for routine inspection of terminals (possibly once a year).



Smoke Alarm

The smoke alarm fitted is approved for use in caravans and mobile homes. • The National Caravan Council (N.C.C.) requires that all new or used caravans sold by its members be fitted with a smoke alarm featuring an alarm silence facility.

WARNING: Test smoke alarm operation after vehicle has been in storage, before each trip and at least once per week during use.

Note: A different smoke alarm to the one illustrated may be fitted (subject to availability) but it still meets the criteria above. For further information on use of the alarm, battery replacement, testing etc., refer to manufacturers' literature.



Fire Angel

QUICK SPECIFICATIONS:

Sensor: Electrochemical Cell
Operation: DC
Sound Output: 85dB
Operating Temperature: 10-40 Degrees
Battery: 10 Year Lithium
Finish Colour: White

10 YEAR CARBON MONOXIDE ALARM THAT'S EASY TO INSTALL AND FULLY PORTABLE, 85DB ALARM AT 1 METRE (3 FEET), CO TEST/ RESET FACILITY, AUTOMATIC SELF DIAGNOSTIC CHECK, TRIPLE LED DISPLAY SHOWS POWER, FAULT AND ALARM, THE INTERNAL POWER PACK WILL POWER THE ALARM FOR 10 YEARS IN NORMAL OPERATING CONDITIONS, SO THERE'S NO NEED TO REPLACE ANY BATTERIES, KITEMARK CERTIFIED TO QUALITY STANDARD BS EN 50291-2001.



Fire Extinguisher 1Kg

For use on small fires of petrol, oil, gas, paint, furniture wood solvents and electrical equipment.

- Rechargeable
- Pressure gauge
- Manufactured to BS EN3

With gas fires

The initial use of dry powder extinguishers is recommended only if it is likely that the leakage can be stopped by closing the cylinder valve or that the cylinder can be speedily removed.

Cool with water all gas cylinders which cannot be removed.

As soon as possible remove cylinders adjacent to the fire to a safe place in order to gain access to the seat of the fire.

SMEV 2 BURNER COMBINATION UNIT +2 GLASS LIDS (9222)

Underneath the break-proof glass lids this creative and functional SMEV combination unit accommodates a double-burner hob and a sink to match - all in the smallest possible space. Cooking and washing up all in one and once you've finished the job just pop the integrated lid down and you have another surface.

Stainless Steel

Integrated heat resistant safety glass lids

Enameled burner caps

Recessed controls

Width 900mm x Depth 370mm x Height

152mm

Piezo Ignition

Complete with a 20mm waste outlet

**ELECTRONIC IGNITION HOB
(DEPENDENT ON MODEL) HOB Manual**
ignition when the appliance is not fitted with the electronic ignition feature or in the event of failure in the electronic ignition.

**MAKE SURE THERE ARE NO PANS OR
OTHER ANY OBJECTS ON THE BURNERS
WHEN IGNITING**

**IF THE BURNER DOES NOT IGNITE
IMMEDIATELY REPEAT IGNITION
AFTER HAVING FOLLOWED EACH STEP
BELOW**

- **TURN THE KNOB TO "SMALL FLAME"**
- **PROCEED WITH MANUAL IGNITION**
- **CHECK THERE IS SUFFICIENT GAS IN
THE GAS BOTTLE.**

**IF THE APPLIANCE STILL DOES NOT
IGNITE SHUT OFF THE GAS SUPPLY AT
THE MAIN GAS TAP AND CONTACT
YOUR LOCAL DEALER.**

MANUAL IGNITION

**MAKE SURE THERE ARE NO PANS OR
OTHER ANY OBJECTS ON THE BURNERS
WHEN IGNITING.**

To ignite burner, gently push-in and turn the control knob to position **HIGH FLAME** and maintaining the knob pushed at the same time light the burner with a match or gas lighter.

Once the burner is alight maintain the knob in this position for a few seconds to ensure the flame remains alight.

**IF THE BURNER DOES NOT IGNITE
IMMEDIATELY CHECK THERE IS
SUFFICIENT GAS IN THE GAS BOTTLE**

**IF THE APPLIANCE STILL DOES NOT
IGNITE SHUT OFF THE GAS SUPPLY AT
THE MAIN GAS TAP AND CONTACT
YOUR LOCAL DEALER**

HOB FLAME REGULATION To regulate flame turn the knob to the desired cooking flame.



Dometic SMEV FO211GT Oven with Grill

The Dometic SMEV FO211GT Oven with Grill

is a 20 litre Built-in Oven with grill for cooking on the move. Incorporates a rotary plate for warming up meals in the grill and a highly insulated multi-layer door. Adjusting the temperature and grill setting is easy and convenient.

Quality features:

Thermostat, interior light, electronic 12-volt ignition, safety ignition system, grill, bottom-hinged door, chimney connection, rotary plate, multi-layered glass door with safety locking, easy-clean door and interior.

Key features:

Oven output: 1.2 kW
Grill output: 1.6 kW
Oven gas consumption: 87 g/h
Grill gas consumption: 116 g/h
Gas supply pressure: 30 mbar

Please note that appliances such as cookers with naked flames shall not be used for room heating



Webasto heater

The Webasto diesel heater is ideal for safe heating in your campervan.

It has a programmable ON/OFF temperature control, and is flued outside the vehicle so there are no harmful gases. It uses a minimal amount of diesel from your vehicle.

Note: Requires servicing every 3 years



Thetford C400 Caravan and Motorhome Cassette Toilet



Also fitted in some Leisuredrive campervans Thetford C224 CW Swivel Cassette Toilet

Note, The cassette toilet must be drained and emptied of all water and waste matter in low season when not in use.

The perfect mobile toilet solution

The built-in Cassette Toilet consists of two parts: a permanently installed toilet and a removable wasteholding tank. A clever indicator lets you know when the tank needs to be emptied, and you can access and remove the tank through a small door on the outside of the vehicle. Choose from various models. From a Cassette Toilet with a bowl that can turn 90° to each side (C200/ C250/ C260) to a waste-holding tank with wheels and an extendable handle.

- Second-hand vehicle, but surely you'd like a new toilet?
- Good maintenance prolongs life expectancy

Clear advantages

- Highest level of seating comfort on the market
- Lightweight, high-quality, durable plastic
- Quiet yet powerful flushing system with full bowl coverage
- Homelike bowl in size and comfort
- 3 year warranty

Easy and convenient emptying

- Waste-holding tank indicates when it needs emptying
- Vent button for emptying without splashing
- Automatic pressure release vent prevents gas build-up, ensures splash-free tank opening
- Built-in rotating empty spout



Other details

Dimensions HxWxD (mm):
512 x 670 x 580

Seating Height (mm): 473

Central Water Tank Connection: No

Colour: White

Flushing System: Electric

Capacity Waste Tank: 19.3 L

Capacity Flush Tank: 15

Waste Tank on Wheels: Yes

Removable Mechanism: Yes

Bowl Material: Plastic

Waterfill Door Required: No

Net Weight (kg): 8.8

CAUTION

**DO NOT LEAVE ANY WATER IN TOP
TOILET BOWL AS IT CAN SLEEP
THROUGH AND NOT GO INTO
WASTE TANK AND APPEAR AS IF
CASSETTE IS LEAKING ALWAYS
FLUSH AND LEAVE CLEAR AFTER US**

How to use the Thetford Cassette Toilet

Prepare your Cassette Toilet for daily use by following the below simple steps:

(1) Open the access door on the outside of your caravan or motor home and remove the waste-holding tank.

(2) Add the correct dosage of Thetford Toilet Care product (e.g. Aqua Kem Blue, Aqua Kem Green) and then add water through the rotating empty spout.

(3) (4) Models that have their own flush-water tank will also need to be filled. Depending on the model: (3) open the service door, (4) or open the water-filling door on the outside of the vehicle; add flush-water fluid (Aqua Rinse Plus); and fill up the tank with water. Your toilet is now ready for use.

(5) A level indicator lets you know when the waste-holding tank needs to be emptied.

(6) A unique integrated rotating emptying spout and vent button ensures simple emptying into the nearest authorised waste dump.

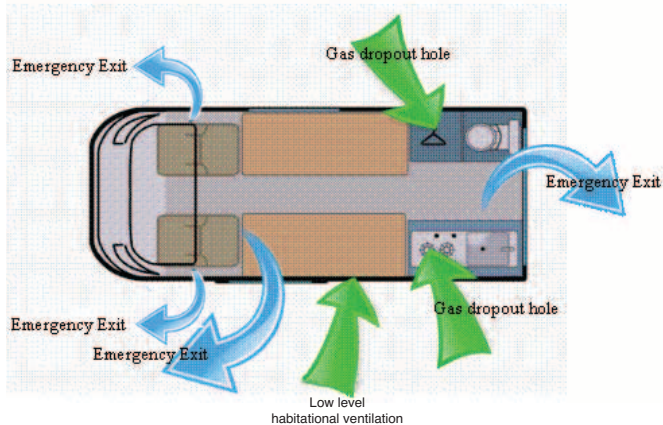


N.B.

If you have a bench type toilet the manufacturer provided add extra filling funnel, this gives extra pressure to the filler neck to push the water into the flush reservoir.

Make sure the front of your vehicle is lower than the rear when filling.

Occasion Vivante



Calypso Renoir Crusader

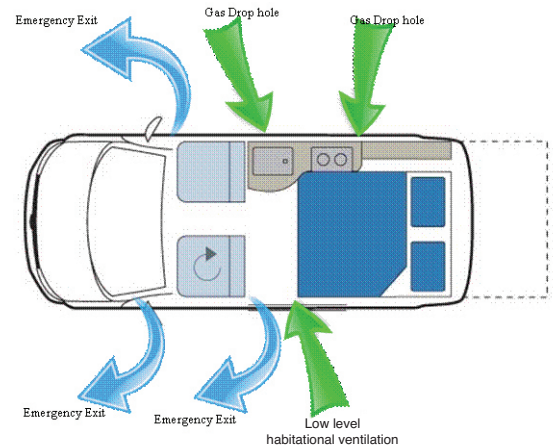


Diagram showing the position of the gas drop holes and also the emergency exit routes from the van in cases of emergency

CARE OF YOUR CAMPER

This section of the handbook is devoted to the care, cleaning and general preservation of your Camper van in order to retain its showroom condition.

SERVICING

Your motorhome requires servicing at least once a year for safety, efficiency and to protect the investment you have made. Whether the motorhome is used for short trips or continental long range touring, regular servicing is necessary and will ensure continued enjoyment of your holiday home.

We will carry out your annual servicing using the latest techniques and equipment (a list of the items to be inspected, tested and adjusted appears on the Service Vouchers at the front of this handbook), and will complete the service document as proof of regular maintenance.

As with motor vehicle service documents, not only will the proof of regular servicing enhance your motorhome's release value, but in the unlikely event of any defect appearing at some later date - a properly serviced and documented motorhome history will enable Leisuredrive to rapidly assess and, where appropriate, carry out the necessary remedial work. Additionally, but most importantly, regular service is a requisite of the Leisuredrive's Guarantee and will preserve your rights under the warranty.

CLEANING

Exterior Bodywork (Base Vehicle)

The exterior of your Campervan is paint finished steel, which is extremely durable and easy to clean. Leisuredrive recommend a proprietary brand wash and wax shampoo with the use of plenty of cold water.

GRP Roof

Glass reinforced plastic panels should be cleaned in the same way as the painted bodywork. In a very few instances slight crazing of the gel coating of a GRP panel may occur. This affects solely the gel coating and does not cause damage to the structure, waterproofing or security of the panel.

SLIDING WINDOWS

These must be opened and closed regularly, particularly out of season. In case of sticking/jamming spray window channels with spray oil.

INFORMATION / USE OF YOUR LEISUREDRIVE ELEVATING ROOF

BEDDING DOWN... During the first few weeks of its life your elevating roof will 'settle' down. This is the time to adjust the catches (by screwing the latch clockwise) to ensure roof is tightly clamped for travelling. However do not overtighten, as this can eventually lead to 'crazing' on fibreglass outer surface around catches.

EXTERIOR MAINTENANCE MOVING PARTS... Keep some light oil on hinges, catches and gas stays.

FIBREGLASS TOP... This can be cleaned with CIF or T cut to remove marks / streaks or mold wax, and then finished with a coat of wax (much the same as you would treat body of vehicle).

SIDE AWNING CLOTH... Put the roof up when you wash vehicle and clean awning as vehicle with soap and water. Stubborn grime can be removed with CIF – beware of using chemicals as this may affect colour fastness.

INTERIOR MAINTENANCE... All carpet trim areas must be vacuum cleaned at least monthly if you do not do this eventually with the constant flow of air through vehicle as you travel) which contains grime and dust) it will eventually get dirty, particularly in the corners. Once dirty it is difficult to return to original condition.

PLEASE TAKE NOTE OF THIS ADVICE

VERY IMPORTANT

DO NOT DRIVE WITH ROOF UP (WARRANTY INVALID)... Do not leave roof down after you have been using in damp weather and there is dampness or condensation about. When you get home put up roof and air it out or dry it out. A small fan heater in van for an hour or two will help, but keep an eye on it).

DO NOT leave roof down all threw winter. If not using, lift up and air regularly. If you fail to look after your roof in this way you may get mildew (mould growth) on carpet areas up in top through dampness. This is very hard to get rid of and it is easier to avoid it with the above advice.

AWNING SEAL... The awning cloth is sealed to metal van roof on bottom edges with a silicone sealant. Check this regularly and re-seal if necessary, or if you wish we can check and re-seal for you (by appointment and nominal charge).

SNOW... DO NOT allow a very heavy fall of snow to remain on fibreglass top for long periods if vehicle is parked up. Snow is very heavy in quantity and it is possible for it to cause top to sag / fracture. Brush it off.

LONG TERM CARE OF YOUR HI-TOP OR ELEVATING ROOF

THIS IS JUST LIKE THE BODYWORK OF YOUR VEHICLE.

IF YOU DO NOT WASH POLISH AND WAX ON A REGULAR BASIS IT WILL FADE AND CRACK.

USING A POWERWASH GUN OR AN AUTOMATIC CAR

WASH WITH THE CLEANING CHEMICALS WILL STRIP YOUR ROOF WAX AND CAUSE IT TO FADE.

AT LEAST ONCE A YEAR IT SHOULD BE TREATED WITH A GOOD WAX POLISH.

THIS SERVICE IS OFFERED BY LEISUREDRIVE DURING YOUR

HABITATION CHECK BY APPOINTMENT AT AN EXTRA COST OF £50.00

ALTERNATIVELY – A RECOMMENDED PROFESSIONAL

**'CUT AND WAX POLISH' KIT IS AVAILABLE FROM LEISUREDRIVE RECEPTION
AT LOW TRADE COST**

PARKING UNDER OR NEAR TREES ETC

AGAIN, THIS CAN DAMAGE ROOF PAINTWORK WITH "SAP" & BIRD DROPPINGS "CRAZING"

FIBREGLASS ROOFS GO ON "CURING" FOR MANY YEARS AND SMALL SUPERFICIAL CRACKS
AND CRAZING ARE NORMAL NO NEED TO WORRY IT IS NOT STRUCTURAL

IMPORTANT NOTE

**DO NOT ALLOW A LAYER OF SNOW TO LAY ON YOUR ROOF.
BRUSH IT OFF, IT IS VERY HEAVY AND MAY BUCKLE YOUR ROOF**

Useful dimensions of van

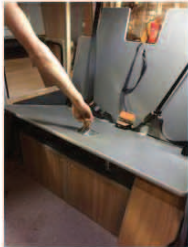
	H	L	W
V/W SWB ELEVATOR	1980	4892	2240
V/W SWB HI-TOP	2500	4892	2240
V/W LWB ELEVATOR	1980	5290	2240
V/W LWB HI-TOP	2500	5290	2240
TRANSIT CUSTOM HI-TOP SWB	2400	4970	2270
TRANSIT CUSTOM HI-TOP LWB	2400	5340	2270
TRANSIT CUSTOM ELEVATOR SWB	2070	4970	2270
RENAULT ELEVATOR SWB	2000	4780	2283

How to make up the beds

Crusader Style Rear Bench seats



Photo shows bedding Removed, but if you wanted to you can just lift the front seat to expose the locking handle



Before you start release the seat belts and pop them down the hole out of the way. Release the bed by pulling the handle, lift and roll out using the frame rollers, this can be done at a steady pace to suit yourselves



When fully pulled out and the bed is flat, the cushions can be added back and you have a comfy double bed

Vivante Style Front beds seats



To start the process remove the head rest on either side of the cab seats



Release the rear seat bed catch and slide the rear seat forward until flat, cushions can be removed for ease



Now fold the front seat backwards until flat, refit cushions Don't move the seat once back rest is folded down as you could damage your seat

When both seats are flat they make up one bed, The same operations is done on the drivers side but if a bench type seat is fitted only the drivers seat needs to be moved and you may need to adjust the cushions on the bench to fit

The final operation, if required is to lift the bench seat and pull out the double bed support board, then bench seats backrest is placed on to it to make a double bed area if two singles are not required



12 Volt D.C. Electrical System

Your Leisuredrive motor caravan is fitted with a 12 Volt Control Panel

All 12 volt electrics in your Leisuredrive (with the exception of your fridge) are controlled and used via this panel.

L/H SWITCH LEISURE/OFF/VEHICLE

Switch is off when in the centre, to turn on power turn switch to leisure (if you have secondary battery). The indicator gauge shows the condition of the battery, N.B. if your secondary battery is reading low, you can switch over to vehicle battery. Simply by driving your vehicle or powering up on mains will replace any lost charge.

OUTPUT SWITCHES

These are clearly marked with their function.

The switch marked "AUX" is likely to power any other extras, TV plug/Oven/Grill electronic ignition etc.. fridge light. Electric flush to the cassette toilet, fridge light.

PANEL TRIP SWITCHES

The control panel is fitted with trip switches fitted should a problem occur on an individual circuit e.g. Lights, pump, AUX this then requires investigation to rectify all other circuits can remain operational

PANEL ISOLATING FUSE

This is located on the feed supply line situated in the bank of the fuses see Leisuredrive Handbook.

IMPORTANT

If during normal usage battery gauge goes into low do not panic, it is not necessarily a flat battery, but may be just due to heavy usage, e.g. you have got all fluorescent lights, spotlights and pump on at the same time.

12V SPLIT RELAY TWIN BATTERY SYSTEM 9 (WHERE FITTED)

This works fully automatically and normally requires no maintenance excepting battery water levels. All caravan electrics (except fridge work) from auxiliary whilst on site. To ensure main battery starts van, alternator, via split relay keeps both batteries "Topped Up" when vehicle is running.

IMPORTANT WARNING

If you stay camped up for several days and the battery condition light gauge reads low, your auxiliary battery is flat. Start up engine, go for a run or charge up at mains. Do not ignore or you will have two flat batteries and your vehicle will not start.

SEPARATE USB SOCKET MOSTLY USED AS PHONE CHARGE

When hooked up onto the mains 240V electric your Leisuredrive camper has a PB10 charging unit which will charge your (A) vehicle battery or (B) secondary battery (if you have one fitted less than 12 low 13 high).

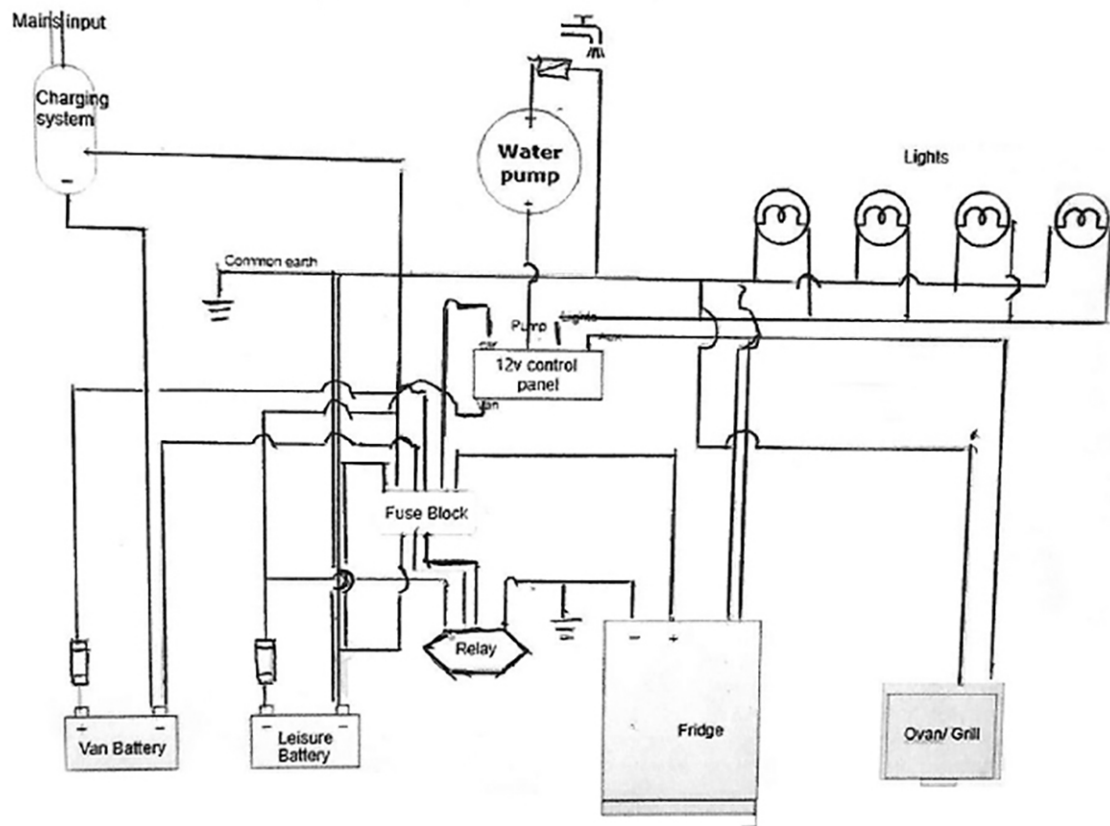
12V KETTLES AND 12V COOLER BOXES

Beware – These take a high drain of electricity and quickly leave you with a flat vehicle or auxillary battery.

LEISURE DRIVE ELECTRICAL WIRING COLOUR CODES



APPLIANCE	GAUGE	COLOUR	FUSE	SINGLE or TWIN	COLOUR INS SHEATH
Light units feed	28	White Sheath	25 amp	Twin	Red / Black
Any 12V feed to battery	28	Green Sheath	25 amp	Twin	Red / Black
Feed to PV10 mains/12v charger unit	28	Red Sheath	25 amp	Twin	Red / Black
Main Battery feed to control panel	28	Black Sheath	25 amp	Twin	Red / Black
Feed to water pump	14	Black Sheath	10 amp	Twin	Blue / White
Aux Feed from Control panel	28	Black Sheath	10 amp	Twin	Brown White
Aux units i.e. oven ,	14	Black Sheath	10 amp	Twin	Black White
Fridge Feed	28	Purple	15 amp	Single	Purple
Aux Battery feed for Relay	44	Blue	30 amp	Single	Blue
Feed to battery from Split relay	28	Green	30 amp	Single	Green



12 Volt D.C. Electrical System

LEISUREDRIIVE CAMPERVANS LTD

**ALWAYS CHECK THE FUSES AT THE MAIN VEHICLE BATTERY
FIRST 25A CLEAR + 30A GREEN.**

25A CLEAR

EARTHS CONTROL PANEL

25A CLEAR

POSITIVE CONTROL PANEL

25A CLEAR

PB10 BATTERY CHG

25A CLEAR

SECONDARY BATTERY FROM RELAY

15A BLUE

FEED TO FRIDGE FROM RELAY

30A GREEN

VEHICLE BATTERY TO RELAY

25 AMP FUSE IS CLEAR IN COLOUR

30 AMP FUSE IS **GREEN** IN COLOUR

15 AMP FUSE IS **BLUE** COLOUR

LOCATION OF L/D FUSE ASSEMBLY.

OCCASION
VIVANTE
ZEST

— LOCATED IN THE BED BOX DRIVERS SIDE

CRUSADER
LIFESTYLE
RENOIR
CALYPSO

— LOCATED IN THE BOTTOM OF WARDROBE

External views of Camper

Rear view (vehicles with wing doors)



1. High-mounted brake light
2. Rear window
 - Rear window heating
3. Left wing door
4. Door arresters of wing doors
5. Rear window opener
6. Lock and lever for opening the wing doors as well as number plate lighting
7. Tail light cluster
8. Rear wing door
9. Right wing door
10. Rear ParkPilot sensors
11. Towing bracket ¹⁾

Front view



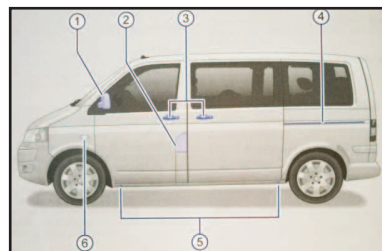
1. Sensor on the mirror base for rain detection
2. Windscreen
 - Windscreen heating
3. Bonnet release lever
4. Headlights
5. Headlight washer system
6. Front ParkPilot sensors
7. Fog lights
8. Front number plate holder
9. Mounting for the front towing eye behind a cover
10. Bonnet
11. Front windscreen wipers

Rear view (vehicles with tailgate)



1. High-mounted brake light
2. Rear window
 - Rear window heating
3. Rear window wiper
4. Tailgate
5. Tail light cluster
6. Area of the reversing camera (Rear Assist) and number plate lighting
7. Lever for opening the tailgate
8. Rear ParkPilot sensors
9. Towing bracket ¹⁾
10. Rear number plate holder

Side view



1. Exterior mirrors
 - Integrated aerial
 - Booklet Radio or Booklet Navigation
 - Lane change assist system display (Side Assist)
2. Tank flap
3. Door release lever
4. Side sliding door rail
5. Jacking points
6. Additional turn signal light

Vans dead lock system

Warning!

The Transporter van has a dead lock system,

Please be aware that when you lock the van using your key fobs you can be locked inside and the doors can't be opened without reusing the key fob



However we would recommend that if locking the van with your key fob you double press the fob.

The first press will deadlock it.
The second press will leave the van still locked from the outside but anyone inside the van will be able to open the doors.

Or you can lock the van using the switch on the driver's door control panel which will have the same effect as locking the van with out the dead lock.

Doors lock button



Mass in Running Order (MRO)

This is the weight of your motor caravan as it leaves the factory, with standard fixtures and fittings plus an allowance for the driver at an average weight of 75kg and a 90% full fuel tank.

Maximum Technically Permissible Laden Mass (MTPLM)

The maximum weight of the vehicle when fully laden for use on the road. This includes personal effects.

User Payload

The load margin (payload), this is the difference between the MRO and MTPLM. It shows the maximum weight which can be carried in your motor caravan including items such as food, cutlery, crockery, bedding, gas cylinders etc.

Mass for Optional Equipment

A maximum weight of (see above) is allowed for optional equipment that is not included as standard. Due to the large number of options available these have not been listed. For guidance on the weight of those options fitted to your vehicle please refer to Crusader V/W T5 SWB.

Mass for conventional load

An allowance of 75kg multiplied by the number of standard designated passenger seating positions, excluding driver – 2254kg.

Essential habitation equipment

Those items and fluids required for the safe and proper functioning of the equipment incl;

Mass of recommended LPG cylinders when 90% full – 2.750 KG

Mass of essential fluids for use in systems – 1kg

Fresh water tank when 90% full – 25KG

Allowance for auxiliary battery – 23kg

Toilet system flushing tank when full – 10KG

Personal effects

Those items which a user can choose to carry, which are not included as essential habitation equipment. An average weight of 79kg has been allowed in the above figures for personal effects.

Weight Distribution

It is recommended that heavy items are stored so that their weight is distributed over both axles. You should avoid excessive weights behind the rear axle. If you have to site a heavy load in a particular position, you should equalize the situation by having a compensating load elsewhere, such that the weight distribution remains even.

VIVANTE - Formal Inspection

NCC Report No.	LD-2459-JMH	Near Side Front	622	Kg	Driver	75	Kg
Inspection date	31/01/2017	Near Side Rear	462	Kg	Fuel Tank Capacity	80	Litres
Inspection Type	Formal Inspection	Off Side Front	603	Kg	Weight of fuel at 90%	61.92	Kg
Applicant Company	Leisuredrive	Off Side Rear	445	Kg	0	0	Kg
Model Name	Vivante	Tag Axle Models			0	0	Kg
Model Range	Hi-Top 2 Berth	Near Side Rear 2	0	Kg	Sub Total 2	136.92	Kg
Vin number	WV1ZZZ/HZFH159817	Off Side Rear 2	0	Kg	Minus optional Extras		
UK/Export or Both	UK	Sub Total 1	2152	Kg	Fuel in tank	45.8	Kg
Type Approved	IVA				0	0	Kg
	Pending				0	0	Kg
Mfr's Declared MTPLM Kg	2800	Calculated MRO (Kg)	2243.12	Kg	0	0	Kg
Mfr's Declared MRO Kg	2280	Discrepancy in MRO	36.88	Kg	0	0	Kg
					Sub Total Extras	45.8	Kg

CRUSADER - Formal Inspection

NCC Report No.	LD-0589-12MH	Near Side Front	578	Kg	Driver	75	Kg
Inspection date	11/10/2012	Near Side Rear	511.5	Kg	Fuel Tank Capacity	80	Litres
Inspection Type	Formal Inspection	Off Side Front	592	Kg	Weight of fuel at 90%	61.92	Kg
Applicant Company	Leisuredrive	Off Side Rear	445	Kg	0	0	Kg
Model Name	Crusader	Tag Axle Models			0	0	Kg
Model Range	Crusader	Near Side Rear 2	0	Kg	Sub Total 2	136.92	Kg
Vin number	WV1ZZZ/HZCH081601	Off Side Rear 2	0	Kg	Minus optional Extras		
UK/Export or Both	UK	Sub Total 1	2126.5	Kg	201hrs Fuel	17.2	Kg
Type Approved	SVTA				0	0	Kg
					0	0	Kg
Mfr's Declared MTPLM Kg		Calculated MRO (Kg)	2246.22	Kg	0	0	Kg
Mfr's Declared MRO Kg		Discrepancy in MRO	-2246.22	Kg	0	0	Kg
					Sub Total Extras	17.2	Kg