



DIMENSION



HANDBOOK

OWNERS HANDBOOK AND GUIDE

Romahome Dimension II

Base vehicle

CITROEN RELAY

CONSTRUCTION NO

VEHICLE IDENTIFICATION NUMBER

Gas Locker key numberOff-side seat base key number . . .

Water Filler Cap key numberThetford Key number

We congratulate you on becoming the owner of a **ROMAHOME DIMENSION**.

This guidance has been prepared so that you may enjoy your motorhome to its maximum safe use and be aware of the advantages or limitations of the various accessories and parts. **It is important to read and understand the contents of the Handbook thoroughly** and, where applicable any manufacturer's instructions, which have been included for particular items of equipment.

Please consult the base vehicle handbook for instruction and information on the base vehicle.

Company policy is one of continual change or improvement and we reserve the right to alter specifications or designs.

If you need help or advice, do not hesitate to telephone us. You must always quote your units construction number (see above) in any conversation with us.

ROMAHOME Ltd

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CONTACT DETAILS:**ROMAHOME LTD**

Prospect Road, Cowes, Isle of Wight, PO31 7AD

Contact Numbers

Tel: 01983 292451 Fax: 01983 290266

WARRANTY

If you have any problems, which need urgent attention please, phone your dealer and follow your phone call by writing with full details of your problem.

IMPORTANT NO ACTION WILL BE TAKEN BY US UNLESS YOU QUOTE IN ALL COMMUNICATIONS YOUR UNIT CONSTRUCTION NUMBER (SEE PLATE DRIVERS DOOR). These conditions in no way affect your statutory rights.

The warranty is subject to both the conditions detailed herein and those in our **CONDITIONS OF SALE** a copy of which will be supplied upon request.

Romahome Ltd (the Company) warrants that the owner detailed in this warranty will, subject to the Company's conditions, receive free repair and replacement of any part, except those detailed in sections 5 and 8 below, which as a result of defective workmanship or materials, require repair or replacement within 12 months of the date of first registration with Romahome Ltd. No third party or employee can be considered a legal representative of Romahome Ltd and has no right to assume on the Company's behalf an obligation of any kind, expressed or implied or to bind entirely.

Any statement made by employees of the company must have been confirmed in writing within 10 days, otherwise the Company cannot accept responsibility.

Any customer's letters or instructions should be addressed to the Company and the Company shall not be responsible for any loss, damage or misinterpretation arising from phone calls not confirmed in writing or with correspondence sent to its employees.

The warranty is subject to the following conditions.

1. The product has not been overloaded or used for racing or time trials or used for hire or reward or otherwise misused under conditions not normally considered suitable for products of this type.
2. The product has been maintained in a proper manner.
3. The product or any part of it has not been altered, modified or repaired without the Company's prior consent.
4. The owner immediately notifies the Company in writing in discovering a fault due to defective workmanship or materials.
5. That any claim under this warranty is not covered in respect of parts damaged accidentally.
6. That all repairs are carried out by the Company, or after receiving prior consent from the Company, it's nominated representative
7. The warranty form has been completed and recorded at the Company's registered office.
8. Parts which are not covered by this warranty are the base vehicle and all its parts, Cooker, Refrigerator, Heater and all parts covered normally by the respective manufacturer's own warranty (please send their registration cards where applicable, direct to them). Fitted parts, such as fluorescent tubes, light bulbs, glass or similar sundries are not covered. Unless it is shown beyond any doubt that the fault lies within the product as built by Romahome Ltd no claim for any electrical fault will be accepted where clients or third parties have carried out their own wiring on the base vehicle or made modifications to the unit wiring.
9. The unit is supplied in good working condition and signed for as being as such by the customer or stockist. No liability for damage, blemishes, shortages or missing parts can be considered unless the customer or stockist notifies the company in writing within three days of the date of supply from our factory.
10. The customer will return, at the Company's request, any faulty part, which has been or is to be replaced under warranty.
11. The warranty only applies to goods sold and used within the European Community.

SECOND OWNER

Name Date Supplied
Phone No Email
Address.....
.....
.....
Stockist
Construction No Chassis No
this portion to be retained in handbook by owner for reference propose only.

FIRST OWNER

Name Date Supplied.....
Phone NoEmail
Address.....
.....
.....
Stockist
Construction No Chassis No
This portion to be retained in handbook by owner for reference propose only.

SECOND OWNER

Name Date Supplied
Phone No Email
Address.....
.....
.....
Stockist
Construction No Chassis No
This portion must be returned to Romahome in order to register your warranty. We will take no action in the event of any claim unless it has been registered with us.

FIRST OWNER

Name Date Supplied
Phone No Email
Address.....
.....
.....
Stockist
Construction No Chassis No
This portion must be returned to Romahome in order to register your warranty. We will take no action in the event of any claim unless it has been registered with us.

SPECIFICATION

The **CITROEN ROMAHOME DIMENSION** is classified as a motor caravan and comes within the Habitation Code of Practice as recommended by the National Caravan Council (NCC) and the Society of Motor Manufacturers and Traders (SMMT) under the requirements of a motor caravan conversion. It is based on proven Citroen Relay chassis.

FULLY FITTED DIMENSION

Maximum Authorised Laden Mass:	5000kg
Actual Vehicle Mass	2620kg (Driver Included)
Vehicle Operating Mass:	2695kg (1passenger included)
Spare Mass Capacity	400kg

For base vehicle information please read Citroen Relay base vehicle handbook

The **ACTUAL VEHICLE MASS** is the kerb weight of the base vehicle, together with the motorhome conversion "in running order" and including bodywork, coolant, oils, fuel, spare wheel, all possible fitted extras for the motorhome as detailed in our price list, drinking water, gas and 75kg for the driver.

(The **ACTUAL VEHICLE MASS** is quoted to include extras whether you have fitted them or not).

VEHICLE OPERATING MASS is the **ACTUAL VEHICLE MASS** plus an allowance of 75kg for each passenger for whom a seat is provided.

The **SPARE MASS CAPACITY** is the extra mass, which you may carry and is calculated by deducting the **VEHICLE OPERATING MASS** from the **MAXIMUM AUTHORISED MASS**.

The following definitions apply:-

The **MAXIMUM AUTHORISED MASS** is the maximum technically permissible laden mass as defined by the vehicle manufacturer.

All weights are subject to a plus or minus 4%

FULLY FITTED DIMENSION

EXTERNAL SIZES

OVERALL LENGTH:	16 ½ ft 2 inches	4.930m
OVERALL HEIGHT:	108 inches	2.740m
OVERALL WIDTH:	98 ½ inches	2.5m (Full travelling width including wing mirrors)
OVERALL WIDTH	88 ½ inches	2.250m (with mirrors folded)

INTERNAL SIZES

Internal height in Galley	81 inches	2.050m
Single Bunk size	6ft ½ x 24"	1.87m x 0.60m
Double bunk size	6ft ½ x 63"	1.87m x 1.60m

Dimensions do not include aerials or awning.

MAXIMUM PAYLOADS FOR MOTOR CARAVANS

Provision shall be made within the Maximum Authorised Laden Mass of a Motor Caravan to accommodate **ALL** of the following:-

A. The mass of the vehicle in running order.

The mass of the vehicle with bodywork in running order including coolant, oils, fuels, spare wheel, and driver.

N.B. The precise definition of mass is laid down in the EEC Directive on Masses and Dimensions of category M1.

A notional mass of 75kg shall be used to simulate the driver.

B. Passengers and their luggage.

75kg for every passenger seated, as defined by the Motor Caravan Manufacturer.

N.B. In accordance with EEC Directive, Masses and Dimensions of vehicles of Category M1 (68kg plus 7kg luggage).

C. General Allowance.

A general allowance of 75kgs.

D. Options and Ancillary Equipment.

1. The masses of all items of equipment offered as options by the manufacturer as stated in the manufacturer's published documentation whether or not fitted at the time of delivery and selected by the dealer/customer from the range of options available.
2. The mass of any item for which the motor caravan has been specifically designed to accept whether or not fitted at time of delivery.

EXPLANATORY NOTES

The allowances under "D" shall include such things as batteries, toilets, gas cylinders and contents, bicycles etc, that is to say that if a bicycle holder is either fitted or is offered as an option, the mass of a bicycle shall be allowed for.

If a supplementary battery is fitted its mass should be allowed for

The manufacturer may specify where any gas cylinders should be stored thus the mass of the recommended cylinder must be allowed for.

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 equalise the situation by having a compensating load elsewhere, so that the weight distribution remains even and you remain below the limits quoted for each axle. The maximum load for each axle is quoted in the base vehicle handbook.

IMPORTANT

PLEASE TAKE CARE TO ENSURE THAT YOU HAVE ALLOWED FOR THE MASSES OF ALL ITEMS YOU INTEND TO CARRY IN THE MOTOR CARAVAN

e.g. passengers, optional equipment essential habitation equipment and personal effects such as clothing, food pets bicycles, sailboards, sports equipment etc.

WARNING

UNDER NO CIRCUMSTANCES SHOULD THE MAXIMUM TECHNICALLY PERMISSIBLE LADEN MASS OF THIS MOTOR CARAVAN BE EXCEEDED.

THE DIESEL FUEL FILLER IS ACCESSED ON THE NEAR SIDE DOOR PILLAR

STANDARD EQUIPMENT

- Blinds / Fly screens / Curtains
- Smev four gas burner hob, Oven & grill
- Electrolux Sixty litre, three way fridge, Gas, 240volt, 12volt
- Mains electric installation, transformer / battery charger & earth leakage trip circuit breaker.
- Secondary battery with split charging relay.
- 2 X 13 amp sockets and a 12 volt socket
- GRP moulded sink with Hot & Cold water.
- Integral 58 litre fresh water tank & 50 litre waste water tank.
- Heki 3 Roof light with crank handle, Integral fluorescent light & Fly-screen
- 40 X 40 sky light
- 2 X Pedestal tables.
- 5 inch thick cushions in colour co-ordinated upholstery
- Turin A19 curtains.
- Bed in-fills to make up double bed
- Smoke Alarm & Fire Blanket.
- Thetford C-200 CW D3 (Cassette Toilet)
- Propex Malaga hot water system and shower.
- Four upholstered forward facing seats with pillar / Floor anchored seatbelts
- Side entry sliding door.
- Radio

OPTIONAL EQUIPMENT

- Fiamma Awning (Weight 20Kg)
- Fiamma Turbo Vent Ceiling Fan.
- Walnut dashboard kit.
- Eberspacher independent warm air system.
- T.V. Aerial
- Tow bar
- Car reversing distance sensing system

SEATING

The Dimension boasts four comfortable seats capable of providing seating for relaxing, dining or sleeping and have storage compartments underneath.

The seats, with typical Romahome ingenuity flatten out to create two singles or a large double bed with the help of a bed inlay. When made up into a double bed it measures 63 inches wide x 73 ½ inches long.

The DINING TABLES when not required may be stowed at the rear of the vehicle.

The pedestals are stored in the under-floor box step.

The LUTON (over cab area), may be used for bulky items such as sleeping bags, duvet etc.

The GALLEY has a four-burner hob, grill and oven. An Electrolux Sixty litre, three-way fridge, which is powered by Gas, 240volt, or 12volt. A water heater which can run on 240 volt or LP. Gas. with a 12 volt ignition system

A GRP moulded sink with Hot & Cold water taps and integral splash-back.

The heat shield must be in the vertical position prior to lighting the gas rings on the hob, avoid flames impinging onto heat shield.

The instructions for the use of the hob and grill is covered by the separate manufacturer's leaflet.

Avoid putting **HOT PANS** etc. on fibreglass surfaces.

Consideration must be given to the vehicle being parked on level ground to avoid the risk of hot pans etc slipping off the cooker.

The chopping board fits over the sink for ease of use but should be stored in a lower cupboard when the vehicle is being driven.

VENTILATION

It is recommended that you ventilate your Dimension as much as you are able. On no account should any of the fitted vents be obstructed, particularly those involving installed equipment or the gas storage compartment. **Your safety may well depend upon this.** The roof vent provides useful ventilation. Ventilation may be further increased by slightly opening the side windows.

VENTILATORS must be kept clean and clear at all times. The flue vent and air circulation vents for your refrigerator, cooker and water heater should be cleaned at least once every 12 months.

There are low-level air vents beneath the refrigerator, cooker and in the bottom of the gas storage locker - make sure they are kept clear of obstruction. Ventilation is also provided in the back door.

WINDOWS

The side windows fitted to your Romahome are manufactured from Acrylic plastic,

Top hung double glazed acrylic windows have three security latches and the window opens on a three-position ratchet stay. Care must be taken when cleaning these surfaces, ensure any grit is washed off prior to cleaning with a soft cloth.

You must **ALWAYS** ensure that the side windows are firmly closed and it is recommended that roof vents be closed before moving off.

Ventilation is particularly important whilst cooking or whilst the unit is in use.

Without ventilation in a confined space, condensation can become a real problem. It is recommended that for your well being adequate ventilation is allowed when sleeping.

LOCKS & KEYS

Dimension's have central locking, for replacement keys you must contact a Citroen dealer.

Romahome, record the key numbers for, the gas locker water inlet and the thetford cassette toilet .

We advise you to take, and keep separate, a note of all key numbers.

HIGH WINDS & MOTORWAYS

Care should be taken when **DRIVING** your Dimension in high winds or on motorways. As a high-sided vehicle, the performance is different from a car. In **HIGH WINDS**, particularly driving from a protected area into a gust, (e.g. passing large vehicles etc.), a strong side-wind can dangerously interrupt your passage and you should therefore moderate your speed accordingly. On motorways or other high-speed roads, the **PRESSURE WAVES** from fast moving Lorries or coaches can give you a real buffeting. Keep clear where possible and adjust your speed accordingly.

JACK AND TOOL KIT are stowed in the under floor hatch.

SPARE WHEEL. is in a cradle under the rear of the vehicle, (see illustration 19).

Refer to base vehicle instructions for wheel changing information.

TYRES

Your Romahome Dimension is fitted with approved **commercial tyres**,

Michelin 195 x 75 x R15 are recommended.

Tyre pressures are based on commercial use, displayed on driver's door pillar.

Front 58psi / 4 Bar Rear 58psi / 4 Bar

Fitting domestic tyres may invalidate your insurance.

BEFORE DRIVING OFF

- 1 **Turn off gas supply at the LPG cylinder and all appliances.**
- 2 **Lower roof lights and vents.**
- 3 **Secure all loose items.**
- 4 **If in use switch fridge to 12 volt.**
- 5 **Disconnect mains hook-up.**
- 6 **Secure doors and windows and skylights**
- 7 **Stow chopping board etc. if travelling over rough terrain.**

Situated under the fridge the Malaga 2 E Storage water heater is powered by 230volt or L.P.Gas

On initial operation or when the system has been drained refill the system and flush it through by turning on each tap until a steady flow of water is obtained. If a water filter is fitted it should be changed at the recommended intervals.

Check that the gas and the electricity are turned on

To avoid subjecting mouldings to scratches , it is suggested the use of a washing up bowl in the sink.

GAS OPERATION

Switch on the heater at the control panel, the red light will come on which will stay on as long as the burner is alight. If the gas does not light the ignitor will switch off as will the gas valve there will be a 60 second delay.

Several attempts may initially be required for purging.

When the water heater has reached the preset temperature no lights will show. As the water cools or is drawn off the heater will automatically relight and the green light will come on until the water has again reached its preset temperature.

If at any time the red light comes on indicating a fault condition, wait three minutes before attempting to relight, if the fault persists check that, (1) the gas supply has not run out (2) the battery is fully charged.

This appliance must not be connected directly to the mains water supply

The heater ignites on a 12volt system. Should the voltage supply drop to 9 volts the heater will shut off for safety.

Turn off the heater and recharge the battery before reusing the heater.

When using the water heater in Winter ensure the flue is not blocked by snow or fallen leaves.

When not in use the heater should be drained.

ELECTRICS OPERATION

The system must be hooked up to the 240 v mains hook-up to run the system on electrics

The switch for turning on the electrics for the water heater is below galley unit

On occasions the trip switch may trip out to protect the system this can be reset on the RCD unit located behind the wardrobe.

The **FRESH WATER** filler cap is located by the driver's door, the storage tank is located underneath with a capacity of 58 litres or 13 gal.

The **WASTE WATER** storage tank holds 50 litres or 11gal. Capacity and is stowed centre /rear on the underside of the vehicle. The tanks are manufactured in polypropylene and a breather pipe is fitted.

FROST DAMAGE

It is important that if the water heater is subjected to freezing temperatures damage may occur to the unit.

It is therefore important to drain the system if frost or freezing temperatures are imminent.

TO DRAIN THE WATER HEATER

simply lift the tap to the open position, the water will drain out through the drain pipe under the vehicle. Remember to open the hot water tap to allow the water to drain down.

Water left in the tank for extended periods may become unsuitable for drinking or washing and you should therefore change it as frequently as is practical. Please bear in mind that any cleaning fluid you use may taint the water. Baby's bottle sterilising tablets are quite effective and also assist in reducing the polythene taint (which is quite harmless) on new tanks. The tank may be flushed by running water through the filler cap at the same time as turning the tap fully on (taking care not to run dry or overfill!)

The water is fed from the tank via an **ELECTRIC PUMP**, which is activated by the tap.

You must avoid activating the water pump when the tank is empty as **RUNNING THE PUMP DRY** may cause damage. If the water tank is run dry the pump is self-priming.

WATER PUMP

The water pump should not be used if water is frozen and there is no free flow as it is liable to damage the pump.

All taps should be left open to drain the system down.

The system is pressurised at all times when switched on, if you hear ticking from the pump it may mean

- 1 Low water level in the tank.
- 2 Leak in the system
- 3 Tap left dripping

Please read the manufacturers installation and operational manual.

SHOWER

Remove the toilet roll and any other items that may suffer from wetting.

Step in and close the door. Achieve the water temperature you require for your shower while the shower head is on the hand-wash basin then move the shower head to the overhead position on the forward bulkhead. Waste water from the shower drains into the waste water tank.

When finished replace shower plug to stop waste water odours escaping into the washroom.

TOILET

The Thetford Cassette toilet

The flush water tank should be filled prior to use of the toilet.

The level indicator light illuminates when the waste water tank requires emptying (the light is powered from two penlite AA 1.5 alkaline batteries)

It is recommended the instruction manual is studied prior to use

To DRAIN THE WASTEWATER TANK, place a suitable container under the outlet from the tank and open the tap. Environmental law does not permit you to drain waste water into a surface water drain.

The **HOSE JOINTS** within your motorhome are on a push fit system

It is advisable to **DRAIN** the water tank during periods when your **ROMAHOME** is not in use, particularly during winter periods. .

GAS SYSTEM

The **GAS STORAGE COMPARTMENT** is sited under the near side rear passenger seat of your vehicle with lockable access.

Your Dimension. is designed for use with **Propane gas** but may be adapted for use with **Butane Camping Gaz** recommended **Propane** cylinder size 3.9kg the gas compartment will hold 2 of these cylinders.

Different adaptor types are not interchangeable.

Do not attempt to force an adaptor of one type onto a cylinder of another style.

If you have any difficulties whatever they may be, contact your supplier and have the appliance checked.

FITTING THE HOSE ONTO THE ADAPTOR BODY

The M20 nut on the inlet of the hose should be tightened onto the male M20 outlet thread of the adaptor body (thread at 90° from the control knob)

FITTING THE ADAPTOR ONTO THE CYLINDER VALVE

Remove any cap from the valve, Turn the gas knob on the adaptor fully clockwise to the OFF position

Place the small thread into the cylinder valve thread and tighten down firmly clockwise using the "Butterfly Wings". Once the adaptor has been fully tightened slowly turn the control knob anticlockwise to the on position.

To stop the flow of gas, turn back to the OFF position.

CHANGING THE GAS CLINDER

When the gas cylinder is empty, turn the control knob fully clockwise to OFF. In this position you can then unscrew the adaptor, turning the Butterfly Wings fully anticlockwise. Then follow the procedure outlined above for the new cylinder.

IMPORTANT

After installing the adaptor check the soundness of the installation using a soap solution (Detector for example) The control knob must be fully in the OFF position for connection.

If after turning the knob fully off the appliance remains alight, do not attempt to disconnect the gas adaptor from the cylinder but contact your dealer or gas supplier immediately.

In normal conditions of use, to ensure correct operation of the installation, it is recommended that this adaptor is changed within 10 years of date of manufacture.

Never **CHANGE A GAS CYLINDER** or disconnect a supply hose whilst smoking or near a naked flame or any electrical item likely to cause a spark such as a mobile phone or cigarette lighter.

Leave mobile phones and cigarette lighters in the cab.

The gas cylinder is connected to your vehicle with a **RUBBER HOSE** (check regularly) and then to a fitted copper pipe. The copper pipe must not, as far as is practical, be disturbed or flexed in a manner which could cause damage and create a gas leak.

You must make sure that the **VENTILATION** to this locker is never obstructed.

Check regularly ventilation and flues are clear of spider's web etc.

Gas cylinders in use must only be stored in their **UPRIGHT POSITION** and **NEVER** on their side. SMMT code of practice for construction and use of Motor Caravans also recommend that spare cylinders are stored in an upright position. The main supply cylinder is retained in place with a retaining strap, make sure it is always in place and the cylinder is secure.

The **REGULATOR** should always be screwed firmly into position and never allowed to become loose and never over-tightened.

WHEN TRAVELLING, you should always ensure that the **gas supply has been turned off** at both the supply taps inside your **ROMAHOME** and at the gas cylinder itself. If you are involved in an accident, leaking gas can be a major hazard.

You should regularly check, or have checked, your gas system for leaks. It is in a moving vehicle where vibration could cause damage over a period of time. **RUBBER HOSES** may be affected by the corrosive nature of the gas and should be replaced as necessary **WITH THE APPROVED TYPE** no later than the expiration date printed on the hose.

In the interests of safety, replacement parts for an appliance should conform to the appliance manufacturer's specification and should be fitted by them or their authorised agent.

You should **NEVER** allow your **GAS OR ELECTRICAL SYSTEMS** to be tampered with or altered other than by a qualified tradesman.

SAFE HANDLING OF LPG GAS

1. Handled properly, LPG is a safe, convenient and effective energy source.

If handled incorrectly LP Gas can be hazardous. People have been injured in their homes, caravans, tents and boats by accidental fires and explosions involving gas from cylinders used with heaters, cookers, lights and refrigerators. These accidents can be avoided!

Accidents most frequently occur as a result of gas leaking when people are assembling appliances or changing gas cylinders or cartridges.

LP Gas is Butane or Propane and is stored as a liquid under pressure and a small leak can produce a large volume of highly flammable gas. The gas is heavier than air so it collects near the floor or ground and can be ignited at a considerable distance from the source of the leak resulting in a fire and possibly an explosion.

Propane or Butane should be used as recommended by the appliance manufacturer; they are not interchangeable. LP Gas should not be used with appliances approved for other gases, e.g. natural gas.

1. If you smell gas, do not use the appliance. Find the leak and have the appliance checked.
2. Before attaching a new cylinder to the appliance, ensure that the appliance tap is closed (turned fully clockwise).

Make sure the adaptor is screwed fully home into the connection keeping it upright and without using tools. Screw hand tight only.

1. Test for leaks by applying a branded gas leak tester to all joints and connections. Never use a lighted match or any other flame. When appliances are not in use, close the valve on the cylinder.

1. All gas appliances must have air to operate properly. Failure to observe this simple rule could be highly dangerous. Do not obstruct room ventilation or appliance flues. Regularly check they are not blocked or deteriorating.

- 1 **Butane** is supplied in the UK in Green, Blue, or Aluminium Cylinders.

All these have a left hand thread **Except for Camping Gaz, which has a special female right hand thread.**

Calor 7kg& 15kg Aluminium cylinders have a special clip on connection.

- 7 **Propane is supplied in red cylinders, which have a female left hand threaded connector**

Propane will work in temperatures as low as - 40°C and is therefore suitable for all winter motor caravanning

- 1 **Propane and Butane gas regulators are not interchangeable.**

Normal storage pressures are; Butane cylinder 1.9 bar or 28psi Propane cylinder 6.9 bar or 100psi

- 9 Always refer to the manufacturers instructions for individual appliances.

Carbon Monoxide (CO)

It can cause drowsiness, dizziness, headaches, palpitations, chest pains, sickness or stomach pains.

Never use your cooker as a means of heating always ensure there is adequate ventilation when cooking. When LPG does not burn properly Carbon Monoxide may be produced, fumes from partially burnt gas can kill. Carbon monoxide is invisible, odourless, and tasteless.

Watch out for yellow or orange flames, soot deposits on cookware, these are all **danger signs that CO is being produced.**

Carbon Monoxide detectors are readily available from retailers you may consider installation.

ELECTRICAL SYSTEM

We use internationally recognised systems and coloured cables. If you wish to know more about the wiring systems, you should refer to the Romahome wiring diagram or an approved automotive electrical handbook.

FUSES

The fuses protecting the conversion's equipment can be found on the off-side in the compartment housing the secondary battery, Zig unit and water pump. By consulting the wiring diagram it is possible to trace the equipment to the fuse.

If warm air heating is fitted the spare sections of the fuse panel will be used

EARTHING

The terminology of "earth" in the automotive industry for your 12-volt system is actually for the negative return. The earthing point is at the neg post of battery. You should ensure the connection is kept free of corrosion. The Hob, Oven and Fridge are earthed when you have mains hook up.

MAINS ELECTRIC HOOK-UP

In connecting your unit to a camping site **MAINS ELECTRIC** hook-up either in the UK. or elsewhere, you must make sure the connecting cable you use is to an approved design and standard. As there are a number of different site connections, depending upon which country you are in, you will require not only the main connecting cable but short approved adapter cables.

The polarity of the mains supply (particularly on the continent) can be opposite to the recognised British Standards. If this is the case, you should have a polarity changeover switch fitted inside your unit. Incorrect polarity may damage some of your electrical equipment and will certainly render your **RCD** ineffective.

We strongly recommend that you seek specialist advice on your requirements, thus ensuring your safety.

Residual Current Devices (RCD), sometimes called an Earth Leakage Trip, is to protect you from electric shock and earthing faults, immediately cutting off the power supply. The switches rated at 5 amp and 10 amp act in a similar way as a fuse, cutting supply in the event of an **OVERLOAD** situation. After correction of the fault, the RCD (main switch) should be switched on again. If it won't stay on then you still have a fault.

The RCD should itself be frequently tested by pushing the test button.

There are two RCD's situated on the Offside, revealed when the sliding wardrobe is open, one has the 13 amp power and the fridge connected to it the other has the water heater and the Zig unit connected to it

Mains electric power is taken from the **MAINS INLET** to the **CEC 225 MAINS INLET**, which incorporates the **RCD** and **MCB**.

Mains electric power is taken from the 10 amp **MCB** to the **13 AMP SWITCHED SOCKETS**, providing mains power for your use.

It also supplies for your possible use a **12-VOLT POWER SOCKET**. With a mains hook-up you can therefore have both 12 volt and 220/240-volt power at the same time. You must ensure that only 12-volt appliances are used with this socket and that any 220/240-volt appliances are restricted to their own supply. In both cases you must remain below the amperage available for the circuit.

RECOMMENDED PRECAUTIONS FOR CONNECTING TO A MAINS SUPPLY

1. Before connecting the Romahome installation to the mains supply, check that:-
 - a) The supply available at the pitch supply point is suitable for the installation of the Romahome and it's appliances. b) the main switch is in the OFF position.
2. Raise the cover from the electricity inlet provided on the Romahome and insert the connector of the supply flexible cable.
3. Remove or raise any cover from the socket outlet provided at the pitch supply point and insert the plug at the other end of the supply flexible cable.
4. Switch on at the Romahome main switch.
5. Check the operation of circuit breakers, fitted in Romahome.
6. To disconnect reverse the procedure described in Paragraphs 2 to 4 above.
7. The Romahome electrical installation should be inspected and tested once a year.

The **ROMAHOME** Dimension power supply is taken from the vehicle's secondary battery.

All lighting power comes directly from the fused control panel.

The 12-volt power for the refrigerator is taken from the 20-amp fuse to a relay (an electronic switch). 12-volt power to the fridge from the vehicle battery may only be drawn when the relay has been activated. This is achieved by switching on the dashboard switch, (marked fridge) and the vehicle ignition. This means the 12-volt power to the fridge is available only when the engine is running, thus giving you protection against forgetting to switch the fridge off and draining the battery. The circuit is additional to any electronic ignition system for the fridge

You should always carry spare fuses for your Romahome Dimension and Citroen, Relay base vehicle.

THE WIRING DIAGRAM shows an electrical relay fitted into your system so that both the primary and secondary batteries are charged when your engine is running. The split charge RELAY ensures that power cannot be drawn to the **ROMAHOME** from the primary battery unless switched over on the Zig unit this also ensures that when the batteries are being charged, the primary battery has priority.

The SECONDARY BATTERY is stored in a battery box on the off-side adjacent to the rear passenger seat. It is important that the battery breather pipe is clear of obstruction which vents to the underside of the vehicle.

You must ensure that all power is switched off, before you disconnect the battery terminals.

You should avoid allowing your batteries to suffer temperatures below freezing point.

The battery should be maintained in a charged mode and regular checks should be made on its condition.

If you are drawing power from your secondary battery, you must allow ample time for recharging.

If charging is from your vehicle and you are only making short journeys, it is doubtful you will sufficiently re-charge it and alternative arrangements should be made.

The power and size of a secondary battery is limited to its compatibility with the vehicle's primary battery.

TYPICAL POWER CONSUMPTION REQUIREMENTS

The power available from your vehicle battery will depend upon which model you have. You should refer to the vehicle handbook or the local dealer for this information.

Typical power abilities are: Citroen Dimension Diesel 42 amph

But these should be verified on your own vehicle.

<u>CONSUMPTION</u>	12 volt supply	220/240 volt supply
Water pump	2.0 amp	-----
3 x 8W Fluorescent	1.99 amp	-----
7 x 10W Halogen lights	5.83 amps	-----
85W Refrigerator	7.1 amp	0.37 amp
2000W Kettle	-----	8.3 amps
1300W Toaster	-----	5.4 amps
1000W Microwave	-----	4.1 amps
100W T.V.	8.3 amp	0.45amp

(The above is approximate only - please obtain advice if in doubt)

Campsites generally offer one of two mains hook-up capacities limited to either 10 amps or 16 amps. You must therefore bear this in mind when considering your total mains power requirement.

BATTERY CARE

An 85 amp battery is fitted as a secondary battery for the onboard equipment.

Never expose a battery to a naked flame or spark, there may be hydrogen present.

The Battery contains Sulphuric Acid, which is very corrosive. When handling a battery protect hands and face. In case of contact with the skin rinse immediately with copious amounts of clean water.

Battery terminals should be kept clean and protected with Vaseline.

REMOVAL OF BATTERY Disconnect the battery leads Negative lead (-) first.

REFITTING THE BATTERY Connect the positive lead (+) first. Refit the holding clamp.

When lifting the battery there is a risk of manual handling injury

PRECAUTIONS

Ensure posts and terminals are clean. If they become sulphated, disconnect and clean them.

NEVER disconnect the leads when the engine or appliance is running.

NEVER recharge the battery without first disconnecting the leads.

If the battery is fitted with removable filler plugs ensure the electrolyte covers the battery plates.

Both types of battery should be topped up with distilled water.

In case of slight over filling protect the terminals with grease.

When disconnecting the primary battery ensure the ignition is switched off. If the ignition is not switched off the system may still be energised drawing power from the secondary battery.

If any vehicle's functions i.e. lights wipers etc. are malfunctioning this may be overcome by disconnecting the primary battery for at least five minutes. This will reset the **Engine Control Unit (ECU)** The time and date display on the dash will have to be reset. Instructions to do this are in the base vehicle hand book.

CHARGING A BATTERY

The battery leads must be disconnected from the battery. The voltage must never exceed 15.5 volts and the charging current must never exceed 20% of the rating marked on the battery casing,

(E.g.L1-200 maximum current 40 amps) Duration of charge 24 hours.

Completely discharged batteries may have to be connected for several hours before accepting a charge current.

Only battery chargers with a constant regulated voltage output should be used.

After charging a battery, leave it for an hour before reconnecting it, a spark may cause any hydrogen present to explode.

During periods of intensive use or temperatures of 30C° and more, ensure that the electrolyte never falls below the top of the battery plates. Top up with distilled water if required.

If the vehicle is to be taken out of use for periods of more than one month, batteries should be disconnected

Jump Starting

Always ensure that both batteries have the same voltage rating.

If starting using a battery on another vehicle, check the earth polarity on both vehicles.

Ensure the vehicles are not touching.

Turn off the ignition of both vehicles.

Always use purpose made colour coded jump leads with insulated handles, Red for positive cable, Black for the negative cable.

Connection (for vehicles with same earth polarity)

First connect the non-earthed terminal of the good battery to the non earthed terminal of the flat battery.

Connect the other end of the second lead to a suitable substantial, unpainted point on the chassis or engine of the other vehicle, away from the battery, carburettor, fuel-lines or brake pipes

Connection (for vehicles with different earth polarity)

In view of the potential for confusion this should only be attempted by skilled experienced personnel.

First connect the earthed terminal of the good battery to the non earthed terminal of the flat battery.

Connect one end of the second lead to the non earthed terminal of the good battery.

Connect the other end of the second lead to a suitable, substantial unpainted point on the chassis or the engine of the other vehicle, away from the battery, carburettor, fuel lines or brake pipes.

Starting

Ensure the leads are well clear of moving parts.

Start the engine of the 'good' vehicle and allow to run for about a minute.

Start the engine of the 'dead' vehicle and allow to run for about a minute.

Disconnection

Stop the engine of the good vehicle.

Disconnect the leads in the reverse order to which they were connected.

Take great care, in handling jump leads do not allow metal parts to touch each other or the vehicle body.

ZIG X 70 CHARGER AND DISTRIBUTION UNIT

Located on the off side beside the rear passenger seat. When the transformer is connected to the mains supply, (via a Mains hook up lead) it is capable of charging a secondary battery up to 10 amps (depending upon the make of battery you have) continuously and will automatically reduce its charging rate to zero as the battery condition improves. The unit will also provide enough power to enable equipment to be used at the same time as the battery is being charged.

Zig X 70 Isolation switch (located beside the Zig unit) is fitted as an added safety feature. **This should be in the OFF position before connecting up the mains power**, as a precaution against power surges.

Switch off both isolation switch and the fridge. Switch on the 240V switch after the mains power is connected.

The ZIG X 70 provides 12-volt power to the Romahome circuit enabling you to run the built in water pump etc. **It will not, however, supply 12-volt power to your refrigerator, which has a high amperage requirement.**

12-volt power for the 3-way refrigerator may only be used when the vehicle's engine is running

The ignitor wire for the fridge with electronic ignition is 1mm yellow cable.

When using the 3-way refrigerator, preference should be given to running the appliance with 220/240 voltage whenever this is available.

When the **Zig X 70**. power pack is connected to the mains supply, it is capable of supplying 13.5A of power to charge a battery and/or supply the 12 volt accessories. The output voltage is set at 13.8volts and remains stable as the loads drawn from the accessories is altered. Therefore battery overcharging is eliminated, as the output voltage cannot increase above this pre-set level.

Because the output is stable, battery charging time is reduced and on-board accessories can be safely powered direct from the unit without a battery in circuit. However you **must** ensure the battery terminals are isolated from each other.

The **Zig X 70** has automatic safety features including over voltage protection (OVP) to prevent the battery being overcharged in the event of a fault, it is fully protected should the battery be accidentally connected incorrectly. It also includes a current limit circuit, protecting against short circuit an/or faulty appliance. All these features are self re-setting when conditions are returned to normal.

Please refer to manufacturers instructions for further information.

Power is drawn from the **Zig X 70** panel as follows:-

The water pump and lights, through a 10-amp fuse.

The water heater, 5 amp fuse is in the mains electric isolation switch.

SMOKE ALARM

A **Smoke Alarm** has been fitted to the ceiling of your Romahome.

Once the smoke alarm has been installed a small indicator light (LED) positioned under the test button should flash approximately once a minute in normal operation. If smoke is detected the unit will emit a loud pulsating alarm until the air is clear.

TESTING

It is recommended that you test your smoke alarm once a week to ensure the detector is working correctly. Push and hold the test button for approximately 3 seconds, a loud pulsating alarm should sound to indicate the correct function. During the alarm condition the light will flash quickly.

MAINTAINING

If the smoke detector emits a short “beep” once a minute the battery is at the end of its life and should be replaced immediately this low voltage warning will be given for at least 7 days. A fresh battery should last for approximately one year. Clean your smoke alarm regularly to prevent dust build up. This can be done using a vacuum cleaner with the brush attachment. Clean gently around the front grilled section and sides.

REFRIGERATOR

Please follow the instructions laid out in the Electrolux guide with regard to operation and maintenance of the refrigerator

The 12-volt power supply to the **REFRIGERATOR** is connected through the vehicle ignition and a manual switch is fitted in the dashboard of your vehicle.

To operate the refrigerator from the 12-volt power supply, switch on the dedicated switch. When the ignition is turned on and the engine is running the refrigerator will operate without discharging your battery. The refrigerator has no motor and so operation is silent. It must be level to operate and should be run for 3 hours before you use it.

You should try whenever possible, when stationary, to operate the refrigerator:-

1. On mains electric (if you have that option) to conserve gas.
2. Gas
3. Switch to 12v only when driving, as this power is drawn through the vehicles primary battery.
(if stationary switch to your secondary battery.)

The refrigerator is normally only operated on 12 volts whilst driving.

At least every year you should ensure that all refrigerator ventilators are clear of debris and dust. You may have to remove the refrigerator to accomplish this.

If you need to **REMOVE THE REFRIGERATOR**, the following procedure should be adopted:-

- 1 Turn off the gas at the isolating tap.
- 2 Remove refrigerator by opening the fridge door and remove the 4 screw cap covers and undo the screws.
- 3 From the outside of the vehicle remove the fridge vent cover and disconnect the copper gas pipe this will allow you to push the fridge forward. (disconnect electrical wiring as necessary)
- 4 Ease the refrigerator from its position by tilting the top of the refrigerator forwards and pulling the bottom edge of the refrigerator out, thus clearing the exhaust vent

All gas work should only be undertaken by a competent gas fitter

TO REPLACE THE REFRIGERATOR, slide it into the casing (in the reverse way that you removed it) making sure that the exhaust pipe engages in the aperture of the outside exhaust vent.

Take care not to damage or trap electric wires or kink the gas supply pipe. Replace the retaining screws and replace the screw caps.

When using the optional 3 way 240 volt / 12 volt or gas refrigerator, you should note that the 240 volt power is drawn from the on board RCD (Residual Current Device) or the MCB (Miniature Circuit Breaker)

Due to the high amperage requirement it is not practical to run on 12 volt other than from the vehicles own battery when the engine is running.

CURTAINS & BLINDS

To operate the front windscreen blind for privacy or to avoid the greenhouse effect, turn down the sun visors, raise the blind and hook it on to the sun visors.

To operate the blinds on the side windows pinch the centre catch between thumb and forefinger and raise the blind and locate into the locking clip.

The back window's curtain is on a fixed rail.

CONDENSATION IN ACRYLIC WINDOWS

Acrylic is an organic material which absorbs water in molecular form.

This means that water can penetrate the pane and raise the humidity in the double glazing area.

If the external temperature drops, the air between the two panes cools down. The superfluous humidity settles on the coldest side, that is on the inner side of the outer pane.

Measures

An effective way to get rid of condensation is to ventilate the interior of the vehicle in order to reduce the humidity. Humidity is influenced by the air circulation. One could also raise the interior temperature. When cold air is heated up, it can thus absorb vapour. Therefore your window is not defective should there be condensation between the two panes.

However it may take a little time until the condensation disappears completely.

MAINTENANCE OF YOUR ROMAHOME

The roof of your Dimension has been built from approved high grade Polyester resins and glass fibres able to withstand rigorous use. You are strongly recommended to give it the care and attention, which it deserves, and so prolong its looks and life, giving you the benefits and enjoyment you and others will appreciate.

The Glass Fibre roof moulding should be kept clean by regular washing with warm soapy water and a soft cloth. Removal of bird lime is particularly important. It is recommended washing down with warm soapy water and waxing quarterly using a Romahome approved wax.

Structural damage to the roof moulding may require specialist repair or consultation with a car body repair shop. Please do not hesitate to contact us for advice. This moulding and other moulded fibreglass surfaces should be protected with Romahome approved wax polish. **WARNING DO NOT USE A PRESSURE WASHER TO CLEAN YOUR ROMAHOME**

The windows of your Romahome are made from double glazed acrylic sheeting. They should be looked after by washing road dirt away using a soft clean cloth and plenty of water.

The luxury-insulated lining may be kept clean by wiping with a damp cloth using a weak detergent solution.

The **INTERIOR FIBREGLASS** mouldings should be treated in the same way as the roof moulding.

UPHOLSTERY should be brushed, vacuum cleaned or treated in the same way as household furnishings.

You must remember that all **MOVING METAL PARTS** (hinges, locks, threads etc.) require a frequent application of light lubricating oil or grease, particularly those parts which are exposed to the elements.

Gas Safety Checks

The compact nature of motorhomes emphasises the need for regular maintenance and servicing of gas installations. LPG in motorhomes can put stresses into pipe work and appliances not experienced by their static counterparts; this reinforces the need for complete and regular safety checks by a competent gas fitter.

ORDERING SPARE PARTS

When ordering spare parts have as much information to hand as will be necessary to identify the vehicle type, year of build, unit's construction number and the spare part information. See page 3 for contact details.

SECURITY

Security with your Romahome Dimension is paramount.

When leaving your vehicle check;

All windows doors and external lockers are securely locked.

Do not leave **any** belongings on view.

HEATING SYSTEM

The NCC/SMMT Code of Practice requires that a motor caravan used in normal temperature conditions (i.e. above 0°C) shall have thermal insulation level or be equipped with heating appliances so that a mean internal temperature in the living area is maintained at not less than 20°C.

The Romahome Dimension is classified as a motor caravan and is insulated for use in normal temperature conditions. You are advised however, that unless a heating system is fitted, the unit may not achieve the temperature differential levels stipulated.

Your motor home has been designed for comfortable use in average Spring to early Autumn ambient temperatures. For owners intending to use their motorhome for prolonged periods in ambient temperatures below 10°C, in particular temperatures below 0°C, it is recommended that an approved heating system is fitted. Any heater must be of the room-sealed type, maximum output 1.6kw, and installed by a qualified fitter in accordance with the manufacturer's instructions and the requirements of ISO 83772.

EBERSPACHER D4WSC HEATING. The Eberspacher heating must never be used whilst driving the vehicle, as this will overload the circuits resulting in blown fuses and eventual power failure from the secondary battery.

Please follow the instruction laid out in the manufacturer's guide with regard to the operation and maintenance (appended to this manual.)

IMPORTANT: NEVER use portable heating equipment, other than electric heaters that are not of the direct radiant type, to avoid the risk of fire or asphyxiation hazard.

PRACTICE BEDMAKING

There is a learning curve to making the beds and should be practiced in this sequence prior to your needs at the end of your days travel.

Please note there are four mechanisms to operate the movements of the front seats.

- 1) The horizontal cross bar to move the seat into a comfortable driving / travelling position.
- 2) The orange flat lever on the lower front of the driver's passenger seats allows the seat to swivel into the dining position.
- 3) The black T shaped knob at the lower back of the seat is used to slide the seat forward for bed making and must only be used for releasing the forward motion of the seat for bed making, **it is vital to the future operation of the seat that the black T shaped knob is not used in conjunction with the orange swivel seat leaver or the seat adjustment bar.**
- 4) The seat back recliner lever(left on passenger's seat Right on driver's)

Ensure the seats are firmly pushed back to trigger the seat locking mechanism prior to driving.

BED MAKING

- 1 Remove Headrests and store.(push down and snatch upwards)
- 2 Release the seat slider mechanism by pulling the black T shaped knob and slide the seat almost fully forward to the dash.
- 3 Lift the seat reclining lever and partially recline the forward seats.
- 4 Then slide the seats forward to the dash Position.

Back seats

- 5 Lift / release lever and slide rear seat forward.
- 6 Recline the rear seat with your weight on the forward edge and locate seat back Into the block.
- 7 Continue by reclining the front seats to locate with rear seat.
- 8 To convert the two singles to a double bed, insert the numbered cross member supports (stored in a special bag) and insert the cushion in-fills.

To restore seats to forward driving position

Reverse Procedures 8 to 1

Rear seats may be locked off with a 4inch gap between the legs and the base to give increased reclining position.

To swivel the front seats to face inwards (Driver's Seat)

To ease revolving of the driver's seat giving clearance from the steering wheel.

Tilt the back of the seat forward, and slide the seat to line up the rear of the seat with the seat belt release catch, using the horizontal crossbar. Release the orange swivel catch and turn the seat **anticlockwise** and recline the seat to the steering wheel.

Passenger's Seat

Release catch and revolve **clockwise** and use horizontal crossbar to position seat.

Table assembly

Insert the pedestals (stored under the floor) into floor recesses and place the tables on top.

IMPORTANT ADVICE**VENTILATORS**

Especially those for the gas locker and fridge vent must not be obstructed your safety depends on it.

IN CASE OF FIRE

GET EVERYONE OUT, then:

- 1 Switch off the engine.
- 2 Switch off Fuel/ Gas/ Electricity.
- 3 Raise alarm and call the Fire Brigade.
- 4 Tackle the fire if it is safe to do so.

FIRE PRECAUTIONS

- 1 Children should not be left alone in the vehicle.
- 2 Make sure you know the location and operation of escape doors and windows and keep them clear of obstructions.
- 3 Keep all combustible materials clear of all heating and cooking appliances.
- 4 Provide a 2kg dry powder fire extinguisher. It should comply with BS 5423 secured near the main exit door and a fire blanket next to the cooker. Know how to use them.

BEFORE MOVING OFF

- 1 Turn off the gas supply and all appliances.
- 2 Lower roof lights/ vents.
- 3 Secure all loose items.
- 4 If in use switch the fridge. to 12 Volt.
- 5 Disconnect mains hook up.
- 6 Ensure all doors and windows are properly closed.
- 7 Ensure cab seats are locked in the proper position.
- 8 Make reference to the base vehicle handbook for matters relevant to the motor caravan as a road vehicle.

DRINKING WATER

Water left in a fresh water tank for extended periods may become unsuitable for drinking or washing purposes.

GAS HOSES

Must be inspected regularly for deterioration and renew, as necessary, with the approved type, in any case no later than any expiration date marked on the hose. Any work carried out on gas fittings should be done by a registered competent gas fitter.

GAS CYLINDERS

Should be stored in an upright position. Use only Butane Gas at 28MB or Propane Gas at 37MB. (see appliance Instructions)

IMPORTANT

SWITCH OFF all appliances and lights before disconnecting the battery. Never allow modification of ELECTRICAL or LPG. Systems and appliances except by qualified tradesmen.

TOW BARS

If fitting a Tow Bar please seek professional guidance for safe working loads. Romahome Ltd cannot be held responsible for items not fitted at their factory or not approved by them. Romahome Ltd can take no responsibility whatsoever for injuries that may be incurred in the event of an accident.

HEIGHT RESTRICTIONS

Many Car parks have Height restrictive bars across the entrance or height restrictive access, your Romahome Dimension may not pass under some of these (See page 4 for specifications).

**U.K. SPEED LIMIT
GUIDANCE**

50 mph on single carriageway roads.
60 mph on dual carriageway roads.
70 mph on motorways where there isn't a lower limit in force.

WINTERISING OR LAYING UP YOUR VEHICLE FOR EXTENDED PERIODS

If you intend to lay your vehicle up for the Winter;

- Choose a secure, level and sheltered place.
- Check windows, roof lights and vents are closed.
- Drain fresh water tank.
- Drain waste water tank Flush out with a small amount of disinfectant
- Drain all water pipes, and run water pump until the last traces of water drain out.
- Leave the all the taps open to let the system breath and dry out.
- Empty toilette cassette and any flushing systems.
- Disconnect gas cylinders (store upright in a secure well ventilated area)
- Purge LPG. from gas pipes.(vent to air)
- Place fridge winterising covers over vents.
- Wedge fridge door slightly open to prevent mould forming inside.
- Remove/disconnect Secondary and Primary Batteries. (unless alarm systems are fitted) (Consider a battery management System.)
Remove the smoke detector battery and leave it open to remind you about replacement.
- Wax the exterior of the vehicle. Spray a film of protective oil over any exposed metal parts. Bag windscreen wipers.
- Consider the effects of bird lime on exterior surfaces.
- To prevent the sun fading fabrics it is recommended that curtains and blinds are drawn.
- It is advisable that any detachable upholstery is taken indoors for a prolonged lay up.
- There is enough fixed ventilation in your Romahome to allow the air to circulate without leaving windows or roof lights ajar.
- Jack and block the vehicle up to take the weight off the wheels.
This will also reduce the risk of flat areas on the tyres.
Tyres deteriorate rapidly in ultraviolet light it can cause premature aging and cracking of the side walls, cover them with a light proof material as a preventative measure.
- If you intend to use your vehicle through the Winter you can reduce the risk of damage to the water systems by draining down when temperatures are expected to drop below freezing.
- For the base vehicle winterising follow the advice of the manufacturer.
- From experience we recommend the hand brake is left released as it can seize whilst in the “on” position during prolonged storage.
For the base vehicle information please refer to the base vehicle handbook.

<u>TOW BAR</u>	(if fitted)
Tow bar data	
Category	F
Value D	13,3 kN
Maximum towed load	2200 kg
Maximum vertical load	120 kg
Homologation number	e11*00*3698
Type	3899

**FOR THE TOWING CAPACITY OF THE VEHICLE CONSULT THE BASE VEHICLE HANDBOOK
IT IS IMPERATIVE THE TOW BAR MOUNTING BOLTS ARE CHECKED AFTER THE FIRST
1000 KILOMETERS.**

If a tow bar is fitted to your vehicle and the need to access the spare wheel arises.
Before you start the procedure to remove the damaged wheel to be changed,
jack the rear end of the vehicle up a little to ensure the clearance you need to slip
the spare wheel out from its cradle and proceed with removing the damaged wheel.
The jacking equipment is stowed in the under-floor storage compartment.
The jacking points for the rear of the vehicle are just forward of the rear wheels.
For wheel changing and jacking procedures please refer to the base vehicle hand book.

Warranty and Instructions for Equipment (where fitted)

ROMAHOME DIMENSION HANDBOOK

AIRTRONIC D2 /D4/ D4S Heater.

AIRTRONIC Mini Regulator.

THETFORD Cassette toilet.

CEC225 Mains Electric Unit.

PROPEX MALAGA 2. Storage Water Heater.

ELECTROLUX 12volt / 240 volt / L.P.Gas Refrigerator.

LEISURE ACCESSORIES Water Pump.

SMEV 4 Burner Cooker.

ZIG X 70 Battery Charging & Distribution System.

FIAMMA Roof Fan.

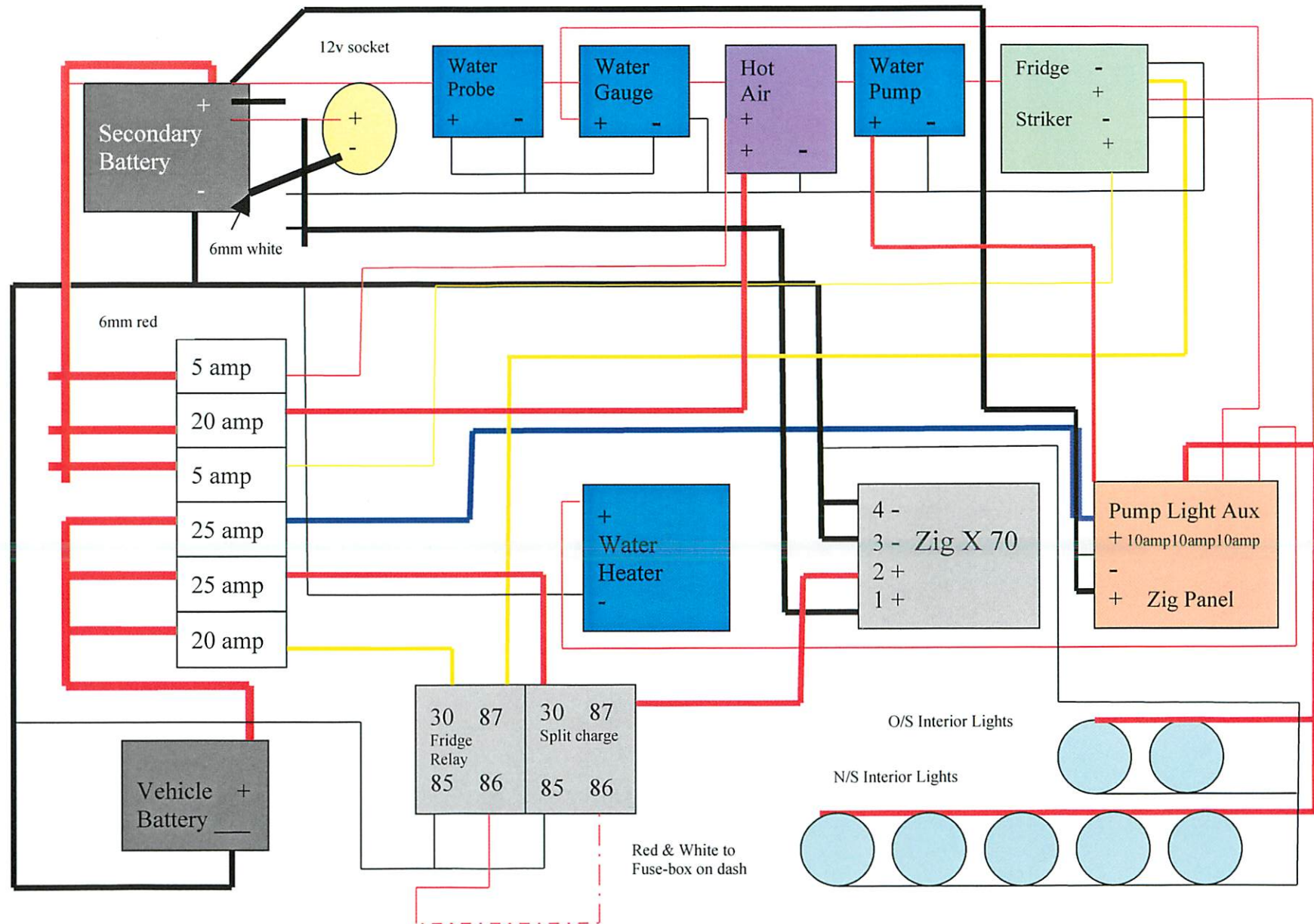
FIAMMA Awning.

FIAMMA Roof fan.

HEKI 3 roof light.

QUANAN Car reversing distance sensing system.

ROMA CLUB Details



Operating Incidents	Possible Causes	Remedial Action
No 230v electrical power	Mains unit has tripped or not switched on.	Find reason for overload or earth leakage
No 12 volt power	Not switched on. Fuse blown	Check battery connectors / check electrolyte level
	Secondary battery flat.	Run engine, switch to primary battery
Diesel heater not working	No power, check power trip, No fuel,	Check in line fuses
Gas water heater failed to ignite	Gas turned off, cylinder empty, incorrect gas pressure	Consult Malaga Heater operating instructions
.	Is the thermostat on its lowest setting	
Fridge not working on 12v	Check switches, on dash & fridge, then fuse.	Check battery connectors. Check electrolyte.
		Check fuse in ancillary fuse box under passenger's seat
Fridge not working on 230v		Check hook up lead, Has mains unit tripped
Fridge not working on gas	Gas not on / cylinder empty	
Water pump not working	Thermal breaker in operation	Wait till pump cools
	Control panel fuse blown	Replace fuse (in the Zig control panel)
	Water frozen / no water	Check water tank
Water leaks	Old or worn Pipes, Loose fittings	Tighten fittings, renew pipework
Vibrations in Motorhome	Soft tyres	Check Pressures displayed on driver's door pillar
	Worn Tyres, Unbalanced wheels,	Check for tyre wear, Balance wheels
	Insecure furniture, blinds, cutlery etc.	
	loose fittings.	
Smell of gas	Check gas taps	
	Worn or perished gas pipe, Lose fittings	Isolate gas cylinder, vent space immediately
		Consult CORGI reg. Gas Fitter
Cooker won't light	Gas not turned on at cylinder / empty cylinder	
	Check indicator igniter switch.	Check electronic ignition fuse (5amp)
Surge or power short blows fuse	In line fuse at primary battery protects 6 way	Check other appliances
	fuse box under passenger seat	
Fuse for Fridge, 20amp	Fuse box located under passenger's seat	
Fuse for Primary Battery 25amp	In line fuse located at primary battery housing	
Fuse for Zig charger unit, 25amp	In line fuse located at secondary battery	
Fuse for cooker ignition, 5amp	Fuse box located under passenger seat	