

WORKING (42)
FOR CARRIER

Motorhome Owners Handbook

1995



Autohomes

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INTRODUCTION

Welcome to the world of Autohomes.

You are now the owner of a quality Autohomes Motorhome. Autohomes have prepared the Owners Handbook for your guidance to help you derive the greatest amount of pleasure from the use of your Motorhome. Autohomes recommend that you read the pages of this Handbook thoroughly so that you are fully conversant with all the Motorhome systems. If there is anything you wish to know which this Handbook fails to cover we are sure that your Autohomes Authorised Dealer will be pleased to help.

Note:

The Autohomes range of Coach built Caravans are designed for use in normal UK climatic conditions.

Important:

The serial number of your motorhome should be quoted in all correspondence, it can be found stamped on a plate fixed beneath the motorhome door. There is also a serial no. on the cab chassis, which should also be quoted.

Autohomes Authorised Dealers will be able to supply any replacement parts for your Motorhome, should the need arise, along with any accessories you may require. Please note that it is not possible to purchase replacement parts or accessories direct from the manufacturer, Autohomes.

We are sure you will have many happy times with your Motorhome but please remember a happy carefree time is based on proper, thorough and responsible preparation, careful driving with regard to 'The Rules of the Road', other road users and above all ensuring your Motorhome is in a first class roadworthy condition. Autohomes recommend that your Motorhome is serviced by an Authorised Autohomes Dealer once every twelve months.

Happy Caravanning!

Fire Retardant Foams

Under the Condition of the Consumer Protection Act 1987, Autohomes have a responsibility to ensure that their product is as safe as possible. With this in mind all Autohomes are equipped with Combustion Modified High Resilient (C.M.H.R.) foam cushions. These foams are very much safer from a fire point of view than those previously used. In addition all upholstery is made of fire retardant fabric.

MOTORHOME 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 10mph.
(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.

MOTORHOME CODE

- 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 SMMT (Society of Motor Manufacturers and Traders).

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 rooflights 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.

LOADING AND DISTRIBUTION OF WEIGHT IN THE MOTORHOME

Do not exceed recommended maximum loading for your motorhome.

ROOF RACKS

Some models of Autohomes are fitted with a roof rack and ladder as standard. Care is needed when using this facility. Autohomes 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. ITEMS FITTED OTHER THAN STANDARD EQUIPMENT WILL DEplete THE PAYLOAD STATED IN THIS HANDBOOK.

ROOF LOADING

The roof rack and roof area (up to the glass reinforced plastic over the cab section) are capable of withstanding an average person's weight of 13 stones (or 82.5 kg).

Some models are fitted with glass reinforced plastic pods over the cab.

UNDER NO CIRCUMSTANCES WALK ON THE OVER CAB SECTION.

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

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 speed to pass.

Do not suddenly swing out.

Carry out all manoeuvres as smoothly as possible.

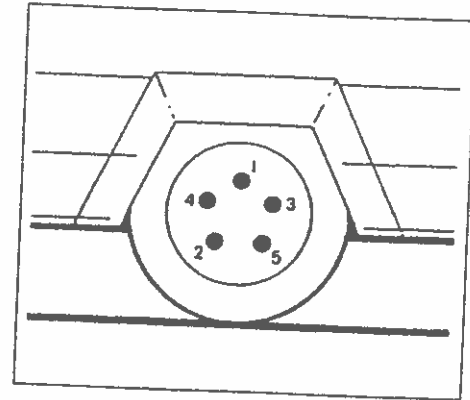
Use nearside wing mirror to check motorhome has cleared when overtaking.

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.

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 (2lb) 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 fan pan fire should not have an extinguisher aimed at it but be smothered with 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.

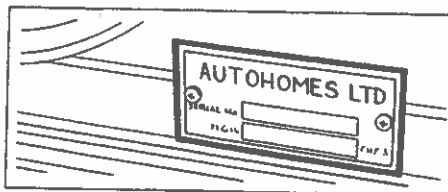
2. Raise the alarm — Call the fire brigade.
3. Turn off gas container valve if safe to do so.

Ventilation and Condensation

All Autohomes 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 fixed beneath the motorhome door),

and your cab chassis serial no. (which can be found 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.

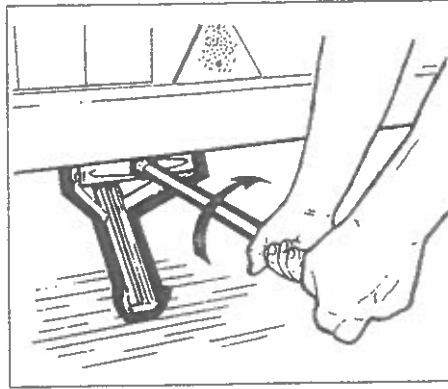
Free crime prevention

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.

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

Wind down the rear corner steadies (if fitted) onto load spreaders (blocks of wood a minimum of 6 inches (15.25cm) square) taking care not to lift the motorhome wheels.

NOTE: Corner steadies are NOT wheel jacks.

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

CONNECTION OF SERVICES

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

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.

The Cascade Water Heater, where fitted must NOT BE switched on until water flows from the hot water taps which indicates the water heater is full.

The Cascade Water Heater should not be used on BATTERY CHARGER ONLY (i.e. without a 12V battery in circuit) as this may cause the heater to operate incorrectly.

Under no circumstances connect The Cascade Water Heater directly to a mains water supply.

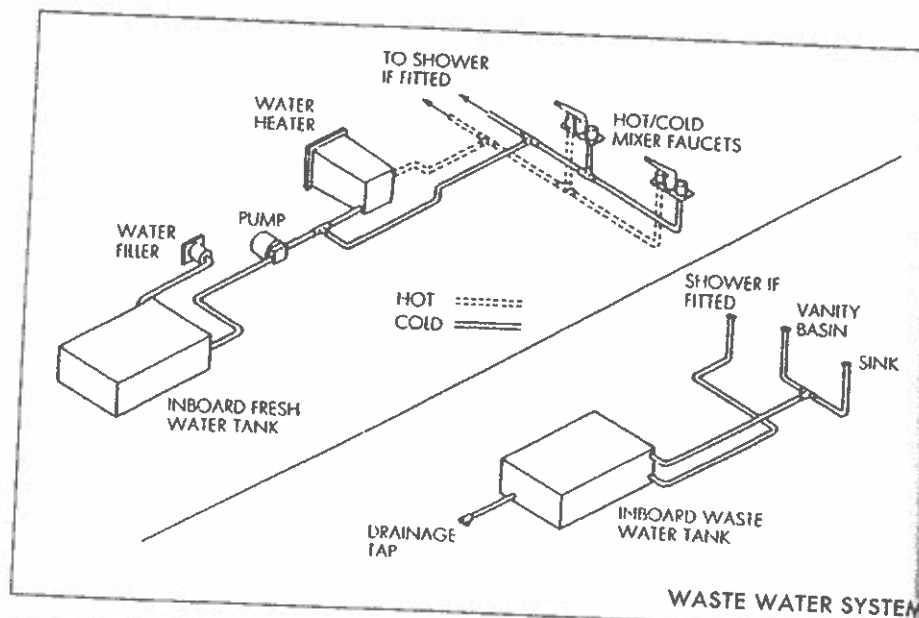
WATER SYSTEM

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 runs from the overflow pipe

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.



CONNECTION OF SERVICES

b) Waste Tank

Autohomes are fitted with a waste water tank which accepts all waste water from the sink, handbasin and shower (where applicable).

When full the waste water tank can be emptied using the outlet valve provided under the motorhome, the position of this valve varies according to the model of motorhome.

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.

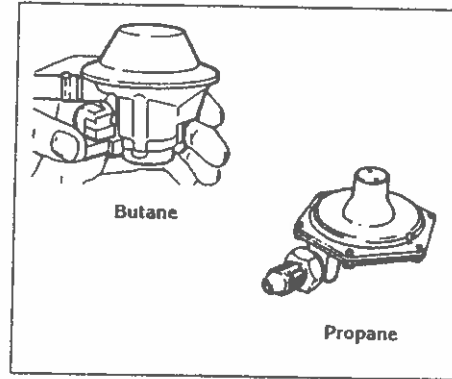
Make sure that heating, cooking appliances and gas cylinders are switched off before you move the motorhome.

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 adapts the bottle pressure to one that suits the equipment in the motorhome.

The gas system should be checked on an annual basis.



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

WARNING

Some industrial LPG appliances operate at high pressure and require a 'high pressure' regulator. This often has an adjusting handle on it. NEVER use such a regulator on a motorhome.

Propane and Butane gas regulators are not interchangeable.

CONNECTION OF SERVICES

Hoses

Hoses should be made from Neoprene, which is black and should conform to BS 3212. 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 and Calor, aluminium and 32lb bottles which have a special clip-on connection.

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.

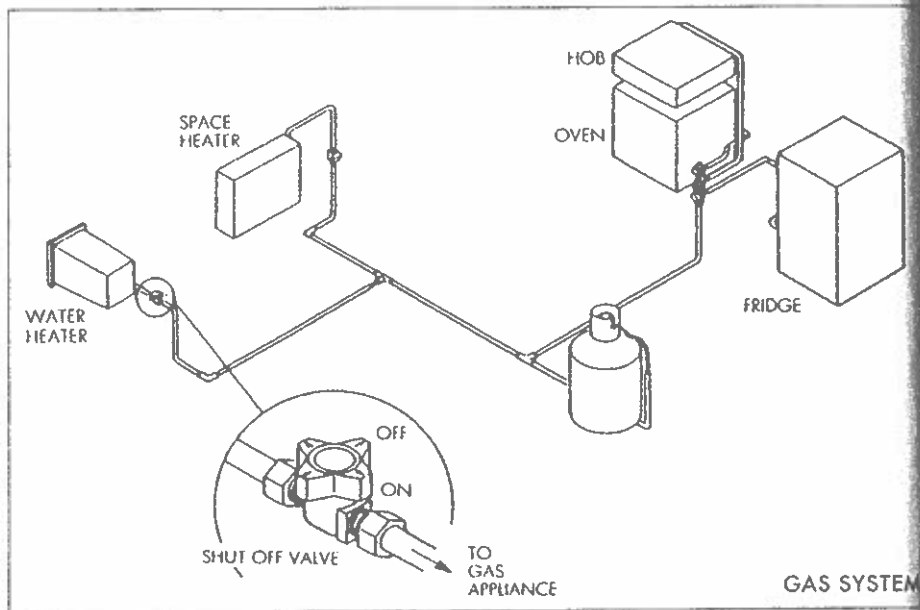
Propane

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 -40°C and is therefore suitable for all winter caravanning.



CONNECTION OF SERVICES

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.

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.

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.

CONNECTION OF SERVICES

ELECTRICITY

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

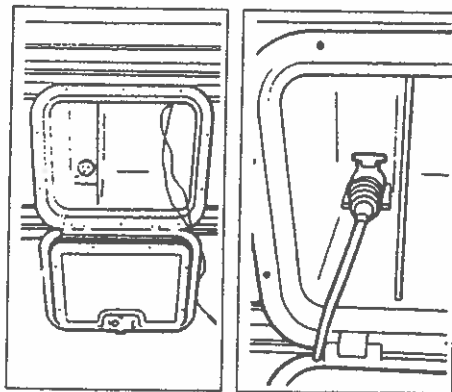
INSTRUCTIONS FOR ELECTRICITY SUPPLY

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.
 - (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-C ADAPTORS) SHOULD NOT IN ANY CIRCUMSTANCES BE USED.

On leaving caravan site

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

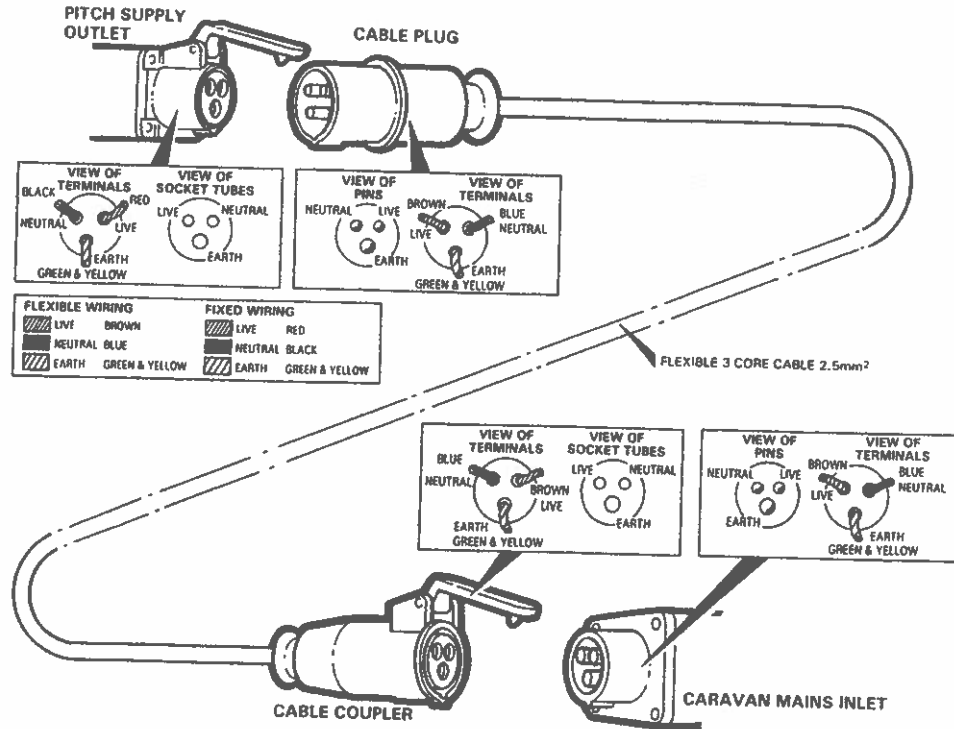
IT IS IMPORTANT THAT THE MAIN SWITCH AT THE SITE SUPPLY POINT SHOULD BE SWITCHED OFF, THE SUPPLY FLEXIBLE CABLE DISCONNECTED, AND ANY COVER REPLACED ON THE SOCKET OUTLET AT THE SITE SUPPLY POINT. IT IS DANGEROUS TO LEAVE THE SUPPLY SOCKET OR SUPPLY FLEXIBLE CABLE LIVE.

Periodically

6. Preferably not less than once a year the motorhome 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 SERVICES

WIRING OF CONNECTING CABLE AND MOTORHOME MAINS INLET



WARNING

IT IS ESSENTIAL THAT CONNECTIONS ARE MADE EXACTLY AS SHOWN. IF TERMINAL MARKINGS ARE NOT IN ACCORDANCE WITH THE DIAGRAM THEY MUST BE IGNORED. IF IN DOUBT CONSULT A QUALIFIED ELECTRICIAN.

CONNECTION OF SERVICES

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.

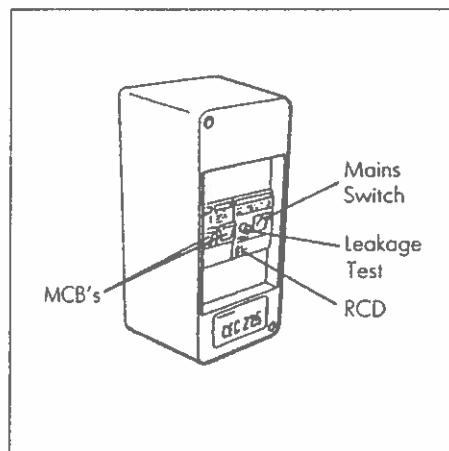
There are available several proprietary makes of equipment for this purpose.

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 set-up to accept the site supply before actually switching on.

MAINS UNIT (CEC 225)

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 240V 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. 'trips' i.e. automatically moves to the OFF position.

After elimination of the fault the M.C.B. 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 SERVICES

THE 12V SYSTEM

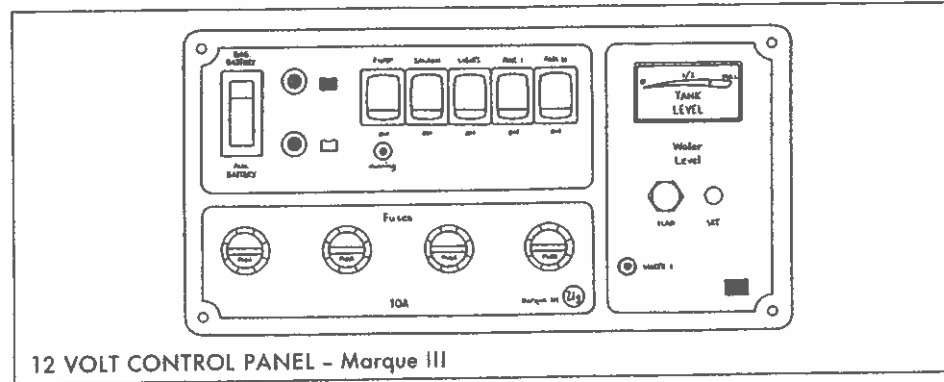
The 12 Volt Distribution Panel and Battery control and monitor the 12 volt electrical system, including the second battery (see illustration).

To accurately test the condition of your second battery, turn the 12 volt switch on and observe the colour of the light. A green light indicates a satisfactory level of charge and a red light indicates an unsatisfactory level of charge. The colour of this light indicator is irrelevant whilst any 12 volt appliances are being used. The red light may glow whilst any of the 12 volt appliances are in use but this is not indicative of the battery charge level.

There are water level monitors for the fresh and waste water tanks which give an indication of the available capacities of each tank.

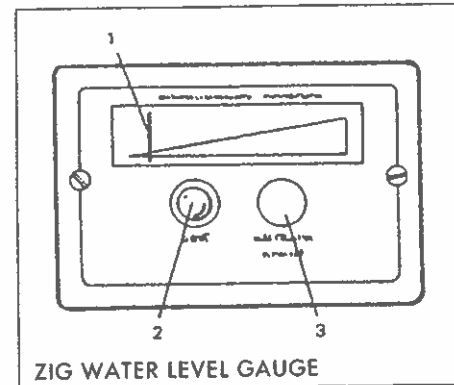
When water is present in the fresh water tank the indicator needle will light.

A red light will glow when the waste water tank is full.



Zig Water Level Gauge

1. Fill the inboard water tank.
2. With the pushbutton (2) 'IN' adjust the thumbscrew (3) marked 'set' until the needle on the dial (1) lays over the '1'. To check level at any time simply push in button and the dial immediately indicates how much water is available.



CONNECTION OF SERVICES

Fuses

The fuses protect the lighting, cassette toilet, water pump, extractor fan and the space heater. In addition to these fuses, there is a 25 amp fuse fitted adjacent to the secondary battery to protect against polarity.

WARNING: In the event of a fuse blowing, check for the fault in that circuit before replacing the fuse. It is important to remember that the fuse is fitted for the protection of a circuit and is a safeguard against fire and injury. Only a suitably qualified electrician should be allowed to work on the electrical system and appliances in your motorhome.

ZIG X-2 & X-3 CHARGING UNIT & POWER SUPPLY

The X-2/X-3 is a fully automatic battery charger, connected to a six-cell lead acid 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 flow, this provides fast and efficient battery charging and eliminates the possibility of overcharging, unless the battery is at fault.

The X-2/X-3 is designed to charge 12V lead acid type batteries, the capacity of the battery must not be less than 60 ampere hour. (The bigger the battery the better.) Should the battery contain a faulty cell the terminal voltage will not rise sufficiently to switch the charger off and the battery will eventually boil dry, the most common cause for cell failure is discharging the battery below the recommended level of approximately 10V.

Please note that any drop in voltage coming in will reduce the output.

Product Specification (X-2)

Input Specification

1. Rated input voltage: 180-240 VAC
2. Rated input current: 1.6A (RMS) max at 230 VAC
3. Rated input frequency: 47 Hz-63 Hz

Output Specification

1. Rated output voltage: Nominal 13.8V
2. Rated output current: 0A-10A (continuous)
3. Ripple and noise: 100 mv p-p
4. Output voltage, stability: $\pm 0.5\%$
5. Maximum continuous: 140 watts

Product Specification (X-3)

Input Specification

1. Rated input voltage: 198-240 VAC
2. Rated input current: 0.8A (RMS) max at 230 VAC
3. Rated input frequency: 47 Hz-63 Hz

Output Specification

1. Rated output voltage: Nominal 13.8V
2. Rated output current: 0A-6.5A (continuous)
3. Ripple and noise: 100 mv p-p
4. Output voltage, stability: $\pm 0.5\%$
5. Maximum power: 139 watts
6. Maximum current: 10A

CONNECTION OF SERVICES

WARNING: Under no circumstances should a fuse of different size or rating be fitted. Should a fuse blow for any reason the fault must be diagnosed before replacement.

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

Internal Lighting

Lighting is provided by transistorised fluorescent lights. Two types are fitted, one with a single 8 watt tube and the other with a 13 watt tube. Bulbs fitted to the 21 watt spotlights, at the rear of the dinette, are of the conventional bayonet fitting and use approximately 1.75 amps.

Water Pump

With the isolating switch ON, the water pump is controlled by a built-in pressure switch. The pump uses approximately 7 amps when running.

12 volt Internal Socket

Maximum load should not exceed 3 amps.

Battery

All Autohomes are fitted with a battery box 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).

MOTORHOME EQUIPMENT

N.B. The information provided in this handbook relating to fitted equipment is only intended as a quick reference guide. Comprehensive details of maintenance and fault finding charts where appropriate can be found by referring to the accompanying manufacturers' literature. If any doubts still exist about the operation of equipment, qualified personnel or your Autohomes Dealer should be consulted.

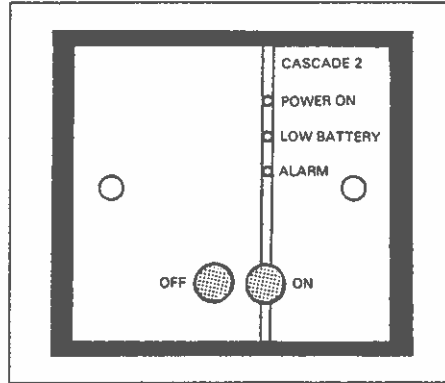
CASCADE 2 AND 2 GE OPERATING INSTRUCTIONS

The gas side of the Cascade 2 GE Water Heater is operated by the remote controller.

BEFORE SWITCHING ON the gas burner or the mains immersion heater make sure that water flows from the hot taps. This indicates that the water heater is full.

To Operate the Heater on Gas

1. **CHECK** that the gas and 12V D.C. electrical supplies have been connected and turned on.



2. **SWITCH THE WATER HEATER ON** at the wall switch. The green light will come on and remain on.

3. **THE GREEN LIGHT** indicates that the heater is operating satisfactorily and does not refer directly to the burner operation.

4. **THE YELLOW AND GREEN LIGHTS** on together indicate that the voltage of the power supply to the heater is too low. The heater is automatically switched off until the voltage is high enough.

5. **THE RED AND GREEN LIGHTS** on together show that the burner has failed to light in the 10 second ignition period. This is usually due to failure of the gas supply or, in the case of new installation, air in the gas pipes. Switch off and on again, which resets the controllers and initiates a new ignition sequence. To clear air from the gas lines, several repetitions may be required.

To operate the Heater on Mains Electricity

With the motorhome connected to site mains, electrical power may be used instead of gas to maintain a supply of hot water. When switched on the immersion heater will maintain the tank at about 70°C under thermostat control. The mains immersion heater thermostat is not adjustable.

For quick warm-up both gas and electrical supplies may be used, but for maintenance use only one or the other.

The immersion heater takes approximately 3 amps when heating and this load must be taken into account if the site supply is current limited.

MOTORHOME EQUIPMENT

REFRIGERATOR

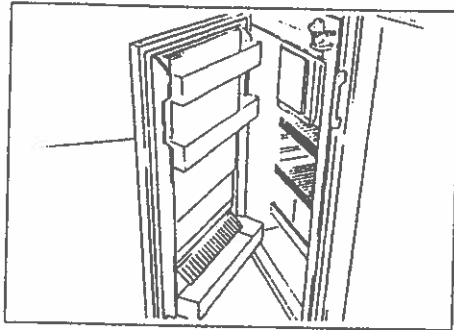
When the motorhome is on the move, the refrigerator should be operated electrically, and not by means of bottled gas.

Controls

The refrigerator can be run on either 240V, 12V or LP gas. Changing between these modes of operation is carried out by means of the controls shown on the relevant control panel.

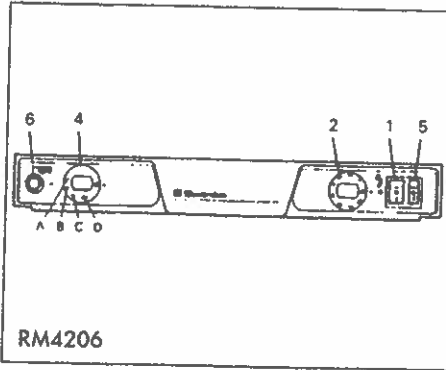
Caution!

Only use one source of energy at a time.



MODEL RM4206

Bottled Gas Operation — Lighting the burner



1. Open the shut-off valve of the gas bottle (check that there is enough gas). Open any on-board shut-off valve.
2. Check that the switches for mains and 12V are off.
3. Depress and turn on the gas control safety device knob (4) to the large flame symbol, position D.
4. Depress the gas control safety device knob (4) and hold it down while

depressing the piezo-electric igniter button (6) rapidly 3 or 4 times in quick succession.

5. Check the flame viewer (located bottom left of refrigerator) to see if the flame is alight.
6. Keep the safety device control knob depressed for a further 15-30 seconds.
7. Release the safety device control knob and again check to see that the flame is alight.
8. To terminate gas operation, turn knob (4) to 'O'.

Electric Operation

240V Operation

1. Turn off gas or 12V operation when applicable.
2. Set switch (1) to position I.

12V Operation

There is no thermostat control on 12V operation.

Only operate your refrigerator on 12V when the engine of your vehicle is running.

MOTORHOME EQUIPMENT

Note: Before operating the refrigerator on 12V it should be pre-cooled, together with its contents, by running it on bottled gas or 240V for a few hours before changing over to 12V and starting on a journey.

1. If applicable, turn off the gas operation.
2. Set the 240V rocker switch (1) to 'O' and the 12V rocker switch to 1.

Regulating the temperature

Once the refrigerator has been started it will take a few hours to become cold.

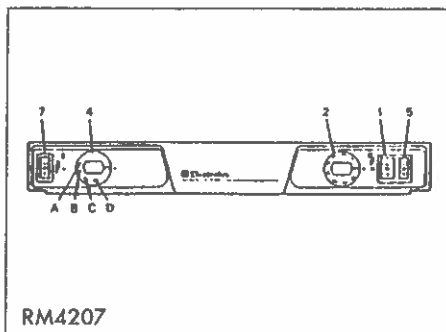
On 240V operation the refrigerator is controlled by a thermostat and the thermostat knob (2) should be set at 3. If a colder temperature is required set the thermostat to a higher number and vice versa.

On LP gas operation the refrigerator temperature is regulated by the gas control knob (4) which should be set at B. This setting provides a suitable temperature in warm weather. Setting the valve to A gives the coldest temperature.

On 12V operation the refrigerator works continuously.

MODEL RM4207

Bottled Gas Operation — Lighting the burner



In this model the gas flame is electronically lit, monitored and relit if necessary. For this, the toggle switch (7) should be ON during gas operation.

An indicator lamp in the switch flashes when the automatic igniter attempts to light the burner, otherwise this lamp is off.

1. Open the shut-off valve of the gas bottle (check that there is enough gas). Open any on-board shut-off valve.

2. Check that the switches for mains and 12V are off.
3. Depress and turn on the gas control safety device knob (4) to the large flame symbol, position D.
4. Set switch (7) to 1. A light in the switch should now start to flash, indicating that sparks are being generated at the burner.
5. Press the knob (4). This opens the flame failure device and allows gas to flow to the burner.
6. When the flame lights, the sparking stops automatically and the switch stops flashing.
7. Keep the knob (4) depressed for a further 10 to 15 seconds to activate the flame failure device, then release it.

The flame can be observed in the flame viewing glass inside the refrigerator at the bottom left.

To terminate gas operation, turn knob (4) to 'O' and set switch (7) to 'O'.

Electric Operation

240V Operation

1. Turn off gas or 12V operation when applicable.
2. Set switch (1) to position I.

12V Operation

There is no thermostat control on 12V operation.

Only operate your refrigerator on 12V when the engine of your vehicle is running.

Note: Before operating the refrigerator on 12V it should be pre-cooled, together with its contents, by running it on bottled gas or 240V for a few hours.

1. If applicable turn off the gas operation.
2. Set the 240V rocker switch (1) to 'O' and the 12V rocker switch (5) to 1.

Regulating the temperature

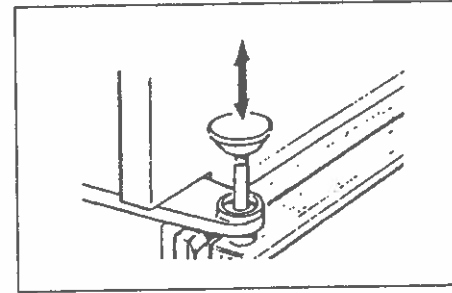
Once the refrigerator has been started it will take a few hours to become cold.

On 240V operation the refrigerator is controlled by a thermostat and the thermostat knob (2) should be set at 3. If a colder temperature is required set the thermostat to a higher number and if less cooling is required set to a lower number.

On LP Gas operation the refrigerator temperature is regulated by the gas control knob (4) which should be set at B. This setting provides a suitable refrigerator temperature in warm weather. Should the storage compartment become too cold, particularly in colder weather, set the valve to A.

On 12V operation the refrigerator works continuously.

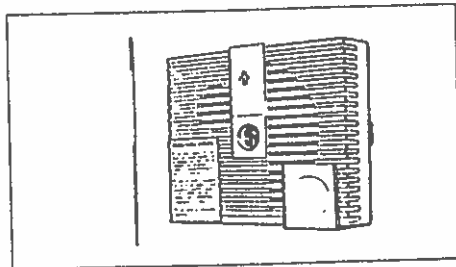
Travel Catch



All models are fitted with a travel catch (see fig.) to keep the refrigerator door securely closed when the vehicle is on the move. Remember always to push the catch down, so that its lower end fully engages the plastic bush in the top of the door, before moving off.

MOTORHOME EQUIPMENT

SMOKE ALARM



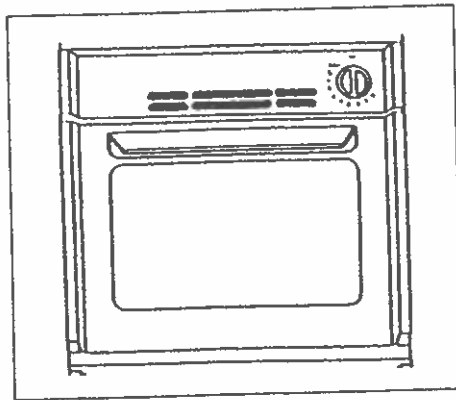
The smoke alarm fitted is approved for use in caravans and mobile homes.

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.

MAXOL MONTE CARLO OVEN



3000 Lighting Instructions

Lightly depress the control knob and turn to the ignition position. Depress the knob fully and light the burner with a match. Keep the control knob depressed for 20 seconds then release. The required gas mark setting can now be selected.

3000ti Lighting Instructions

This oven is fitted with electronic ignition.

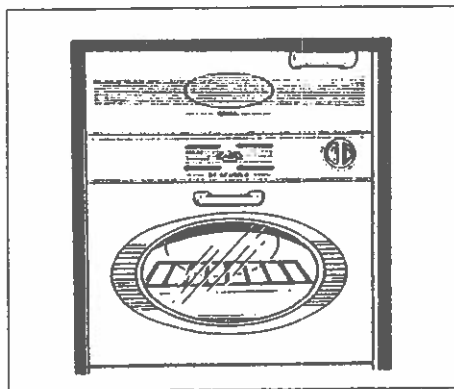
To light the oven, open the oven door fully, turn the control knob to the required setting, depress the control knob and operate the igniter until the burner lights.

When the burner is lit continue to depress the control knob for 20 seconds then release.

The 3000ti may be fitted with an oven light. To operate press the push button.

Note: In order to avoid excessive battery use, the oven light will only work when the button is depressed.

SPINFLO CARA OVEN



IMPORTANT

This appliance is suitable for use on liquid petroleum gas (LPG) only and should not be used on any other gas. The following gas pressures should be used:

PROPANE	37mbar
BUTANE	28mbar

To Light the Oven

Open door, push in the control knob and turn to gas mark 9. Hold a lighted match or taper to the burner and push the control knob in and hold. The burner should ignite and the control knob should be held in for 10-15 seconds before release. If burner goes out, repeat, holding control knob in for slightly longer.

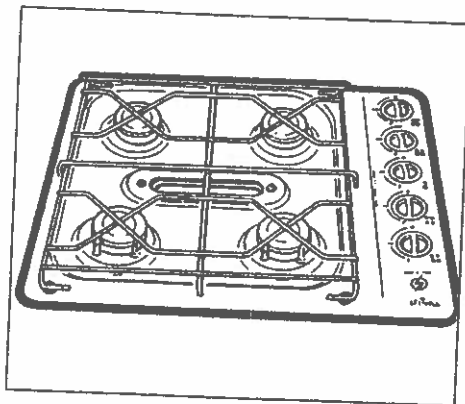
Flame Failure Device (FFD)

The oven burner is fitted with a flame sensing probe which will automatically cut off the gas supply in the event of the flame going out.

Note: This appliance must have adequate ventilation in accordance with BS 5440 Part 2: 1976. When in use ensure that air vents are not inadvertently blocked or shut off.

MOTORHOME EQUIPMENT

SPINFLO HOB & GRILL



Burners can be used for fast boiling or simmering and are controlled by safety taps of the self locking type.

When lighting a burner always make sure you apply a lighted match or taper before turning on the gas. With lighted match in position push in the tap, keeping it depressed for approximately 5 seconds to override flame failure device, and turn it in an anti-clockwise direction to the full ON position. When selecting low rate, turn anti-clockwise until tap will not turn any further.

To turn off, turn clockwise to OFF position, when a stop will be reached. Release and the tap will spring out.

Automatic Ignition

Follow instructions as above.

The battery for the spark ignition is located in the igniter button assembly. To replace battery, turn igniter button $\frac{1}{4}$ turn anti-clockwise and lift off. (Battery MN9100 LR1 Size N, 1.5 volts).

Care and cleaning

Clean with warm, soapy water when hob is cold.

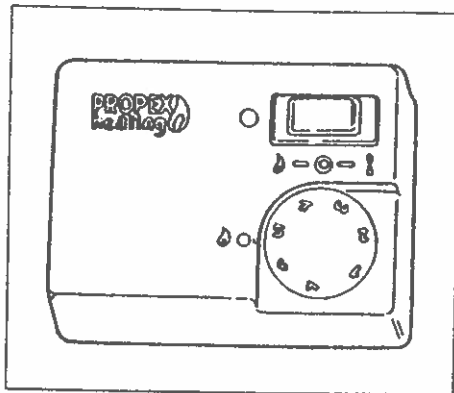
DO NOT remove burner heads for normal cleaning purposes. If any ports are stopped up, clean with a tooth pick - do not use metal instruments as they may distort or enlarge ports. Should the burner heads be removed, the joints between head and hob and mixing chamber must be checked and replaced if necessary. Re-locate burner heads tightly.

When hotplate and/or grill is in use always ensure:

- Grill flap is open.
- Glass lid is in raised position, the glass may shatter if subjected to naked flame.
- Kitchen window and rooflight are open.
- Sink worktops are in raised position.
- Combustible materials e.g. curtains, kitchen towels DO NOT come in contact with the appliances.

NEVER USE THE HOTPLATE/GRILL AS A SPACE HEATER

PROPEX 1600 BLOWN AIR HEATING



Propex blown air heating is designed to give an efficient, quiet and comfortable source of heating which should give years of trouble free service.

A three position switch will select heat on/off or fan only with a dial for selecting the desired temperature. The thermostat also incorporates an internal adjustment for sensitivity.

All Propex heaters are electronically controlled and, therefore, all possible safety features are part of the specification.

The flame is continuously monitored in the burner and should the flame extinguish for any reason, (low gas, blocked exhaust etc.) it will be detected and the gas valve closed and the heater switched off.

Should overheating occur a thermal cut-out, positioned near the heat exchanger, will close the gas valve allowing the fan only to run until cool.

The combustion side of the heater is totally sealed from the fresh air side, so exhaust fumes cannot mix with the air inside the motorhome.

Operation

If warm air is required:

Set the thermostat to the required setting (the dial can be adjusted until the required comfort level is found) and press the switch on the side of the small flame symbol.

The red power light will glow and, if the thermostat is set at a high enough level, the green light will come on and the heater will automatically ignite.

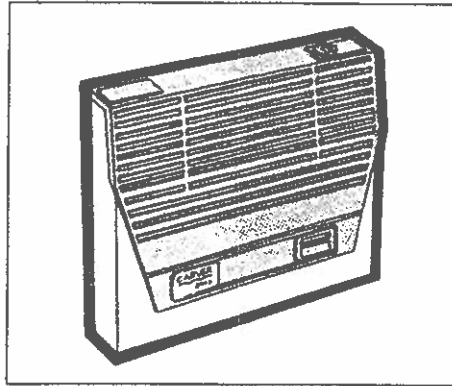
If cool air is required:

Press the switch on the side of the propeller symbol.

The red power light will turn green and the heater's fan will run without the burner.

MOTORHOME EQUIPMENT

CARVER TRUMATIC 3000 & 3000 AUTO HEATER



User Instructions

The heater is controlled by a knob mounted on the top of the heater case which operates a thermostatic gas control valve. Ignition of the Carver 3000 is by a manually operated piezo spark generator and the Carver 3000 Auto is by an electronic reignition system powered by two AA size batteries and operated by a micro switch mounted on the thermostatic gas control.

CARVER 3000

LIGHTING THE HEATER

1. Ensure that the gas supply is turned on.
2. Turn the gas control knob fully anti-clockwise and then press down. **Immediately** press the ignition button several times.
3. Check that the burner is alight.
4. After the burner has lit, continue to hold the gas control knob down for 30 seconds. This is to operate the flame failure device within the gas control.
5. The control knob can now be adjusted to the required comfort setting.
6. If the burner fails to remain alight or if it is extinguished due to abnormal wind conditions, the heater will shut down to a safe condition. After shut down always **WAIT 3 MINUTES** before attempting to relight the heater.

TURNING OFF THE HEATER

1. Turn the gas control knob fully clockwise to the 'O' position.

TO ADJUST THE ROOM TEMPERATURE

Turn the gas control knob to the setting that gives the required comfort level. The main burner will 'cycle' on and off automatically as required by the thermostat to maintain the set temperature but the pilot flame will always remain alight.

CARVER 3000 AUTO

BEFORE LIGHTING THE HEATER

Ensure that the gas supply is turned on and that the batteries have been fitted into the ignitor unit.

LIGHTING THE HEATER

1. Turn the gas control knob fully anti-clockwise and then press down.
2. As the ignitor operates a 'ticking' noise may be heard.

NOTE 1: The ignition unit fitted to this heater is an automatic relight system so that if the pilot burner flame is extinguished, the igniter unit will automatically attempt to relight it. After approximately 20 seconds the flame failure device will operate and close down the gas control to a safe condition. The igniter unit will continue to operate until it is manually turned off. When this occurs check the system and **WAIT 3 MINUTES** before attempting to relight.

NOTE 2: To change the batteries ... Locate and remove the battery holder from the ignition unit mounted on the base of the appliance. Discard the old batteries and fit the new ones according to the polarity diagram inside the holder. Refit the holder into the ignition unit.

ALL HEATERS

On no account should the hot air exit from the grill of the heater be obstructed.

Never dry clothes in front of the heater. Overheating and subsequent damage to the heater may result. It is also a fire hazard.

Always ensure the fixed ventilation holes in the vehicle are kept free of obstruction.

Warning

Aerosols and highly flammable materials must **NOT** be stored in the compartment behind, or adjacent to, the heater.

MOTORHOME EQUIPMENT

CENTRAL HEATING

Carver Central Heating provides warmth throughout the motorhome by blowing warm air to where it is needed via outlets around the motorhome. Please note, not all the components will be fitted to your motorhome. When operating the system it is important to balance it. This is achieved by opening the outlets furthest away from the heater more than those nearest to it. The precise arrangement will vary from motorhome to motorhome and the optimum system will be achieved through experience.

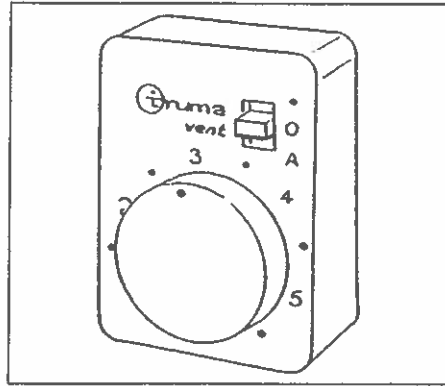
Operating Instructions

TEB AND TBM FAN

Move switch to '●' to give manual fan speed control for cold air circulation. The fan speed is regulated by the knob. 'O' is OFF. 'A' is automatic speed control.

The fan speed is high when the heater is on maximum output and is progressively reduced as the heater thermostat reduces the heat output.

The maximum speed is controlled by the knob.

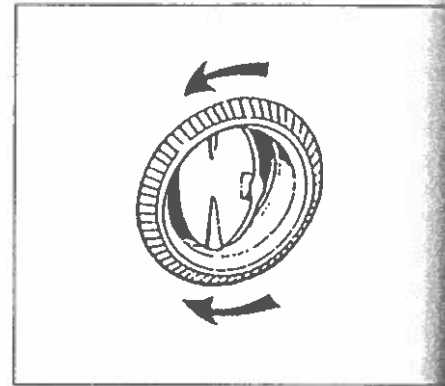


TN FAN

The fan speed is manually controlled by turning the knob from 'O' (OFF) to the required speed.

BUTTERFLY OUTLETS "BE" AND "EN"

The Butterfly plate may be opened or closed to control the quantity of air and may also be twisted around to control direction. For uniform distribution outlets nearest the heater should be closed more than those further away.



THETFORD PORTA POTTI

Preparing for use

1. Open access door on the side of the Motorhome and swing out fresh water fill funnel.
2. Fill freshwater tank using a hose or jerrycan until water funnel level reaches neck. Tank capacity is 15 litres. Aqua Rinse may be added to improve cleaning of bowl and flushing of unit.
3. Replace cap. Swing water fill funnel inward until it touches side of water tank. **Note:** 150 ml of water will

remain in fill bottle when fresh water tank is empty.

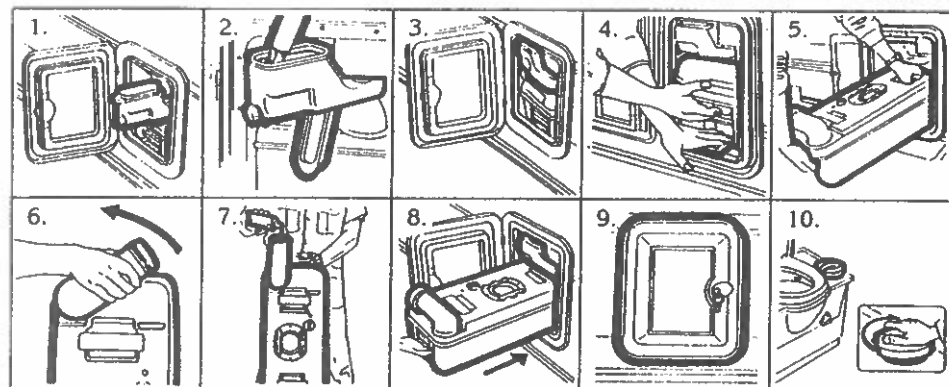
4. Next add Aqua Kem to Cassette for controlling odours. Depress retaining clip.
5. Remove Cassette by pulling straight out. When Cassette hits stop, tilt downward slightly and remove (stop for safety when Cassette is full).
6. Position tank vertical and swivel pour out spout upward.
7. Remove cap. Remove deodorant from storage compartment. Add 100 ml of Aqua Kem or 120 ml of Aqua Kem Bio through pour out spout. Add small

amount of water through spout to cover tank bottom. Replace cap and return pour out spout to its original stored position.

Note: As an alternative, deodorant can be added to Cassette through the valve blade opening. Hotter weather or longer retention time may require addition of more Aqua Kem.

CAUTION: Do not add Aqua Kem Concentrate or Aqua Kem Bio directly into toilet bowl while Cassette Tank valve blade is closed. Pressure due to heat and altitude change can build up in the Cassette tank causing bowl contents to splash upward upon opening the valve blade, if opened too fast. Before each use, open and shut the Cassette valve blade to vent the tank, with the cover down.

8. Slide the Cassette, pour out spout facing outside into the Caravan through access door. Never force insertion or removal of the Cassette tank, damage to system can occur.
9. Make sure the Cassette is secured by the retaining clip. Close and lock access door.



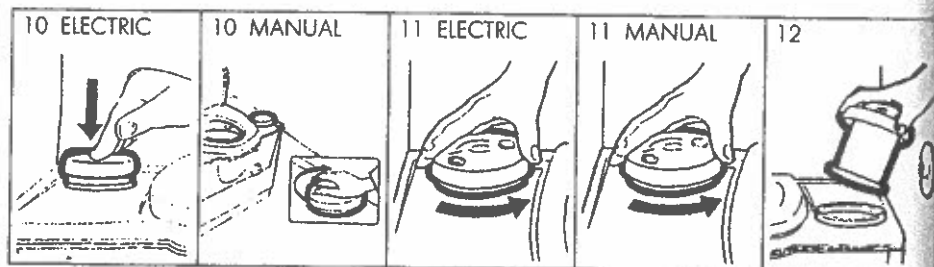
Operation

Flushing - Electric Models

10. Before using the toilet we advise to add some water to the bowl by pressing down the flush knob. This avoids marking the bowl. Water will stop flowing when knob is released.
11. To flush after use, press the flush knob down while turning in an anti-clockwise direction. The turning motion opens the valve blade, emptying the toilet bowl. This procedure results in the best bowl rinse and most efficient use of water. After flushing, turn the knob in a clockwise direction to close the valve blade. The toilet can also be used with the valve blade open, which allows the waste to go directly into the holding tank.

Flushing - Manual Models

10. Before using the toilet we advise you to add some water to the bowl by turning the flush knob in a clockwise direction. When flush knob is released, it will turn back automatically.



11. To flush after use, turn the valve knob in an anti-clockwise direction and turn the flush knob. This procedure results in the best bowl rinse and most efficient use of water.

'click'. Pull apart. Place new tissue on holder, insert prongs of cover into holder. Hold cover and holder and twist in opposite directions until locked. Aqua Soft toilet tissue is recommended for best results.

Toilet Tissue - Electric Models

12. Toilet tissue is stored in the specially designed storage compartment that helps keep tissue clean and dry. Tissue can also be suspended on a tissue holder using the special wall mount bracket, if desired.
13. To replace tissue, remove tissue holder from compartment by pulling up on the tissue cover. Hold bottom of tissue holder in one hand and cover in the other, and turn in opposite directions until you hear a

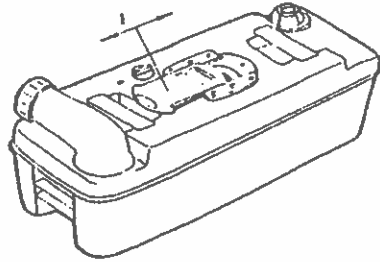
Emptying the Cassette

The Cassette should be emptied when the waste level gauge indicator goes from green to full red. The gauge does not begin to move from green to red until the tank is over half full.

Caution: Do not allow Cassette to become overfilled.

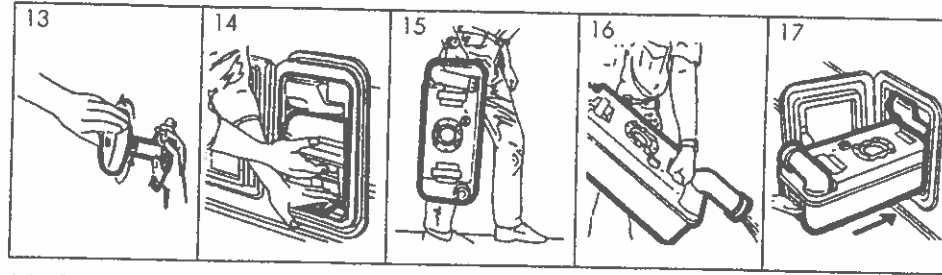
The holding tank features a unique sliding cover (1) which guarantees optimal hygiene. The sliding cover moves automatically when the holding

tank is inserted. When the holding tank is removed, the cover automatically assumes its correct position. To clean the holding tank, you may remove the cover manually by sliding it towards the pour out spout.



To empty Cassette be sure the valve blade is in the closed position.

14. Open the access door on side of motorhome. Depress the retainer clip, pull Cassette until stop, tilt and remove Cassette.
15. Carry the Cassette using the lower carrying handle, pour out spout up, to a normal household type toilet or other authorised disposal point. Set Cassette in vertical position on the ground and rotate pour out spout upward.



16. Remove spout cap. Grasp unit by upper carrying handle nearest to pour out spout. Place other hand on upper rear grip so that the air relief valve button can be depressed with thumb while emptying, to ensure smooth outflow of tank contents. When empty, rinse tank and valve blade with water.

Note: Depress air release valve button only when pour out spout is pointed downwards.

17. After preparing for use, slide the Cassette into the motorhome. Check to make sure that the retaining clip secures the tank in a locked position. The pour out spout end of the tank should be visible through the access door opening. Add water to the fresh water tank as outlined in "Preparing for use" section. Close and lock access

door.

Cold Weather Use

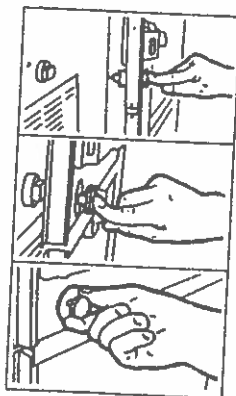
To prevent freezing during cold weather use, add anti-freeze to the fresh water tank. Use a non-toxic (propylene-glycol) type of anti-freeze. Refer to chart on container to obtain level of protection.

Wintering/Storage

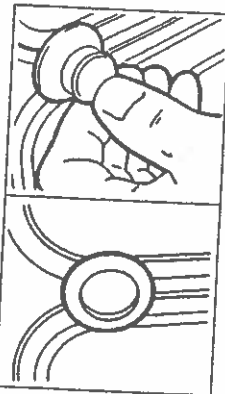
Empty fresh water tank using drain tube/fresh water tank level indicator. Pull drain tube down from top plug position outward through door opening to drain water from tank. Empty water fill funnel by pulling bottle away from tank. Remove small water cap at fill bottom, allowing water to drain from water funnel.

Note: Do not tighten caps, this helps in keeping unit dry.

MOTORHOME EQUIPMENT



Exterior Door

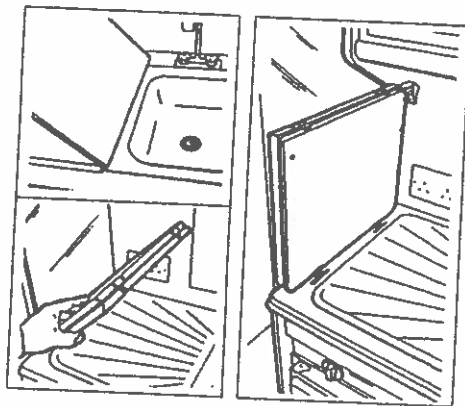


Internal Door

Doors

The exterior door can be secured to the side of the caravan by pushing the button as illustrated. Release by turning in the direction shown.

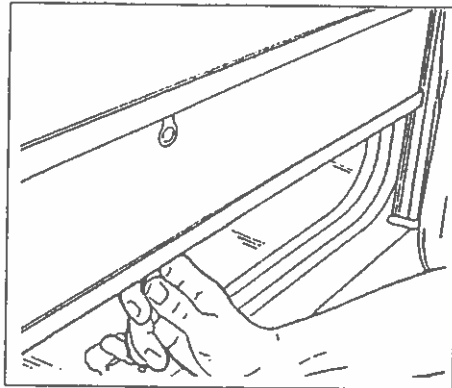
The shower room door is fitted with a two position push button lock. Push once, to lock. Push again, to release.



Sink/drainage board cover

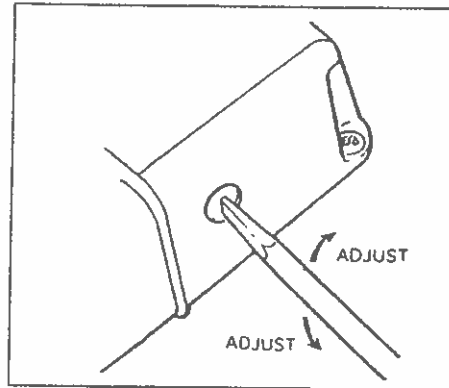
When not in use the sink/drainage board can easily be converted to an additional worktop by releasing the clip and unfolding the arrangement illustrated.

Blinds

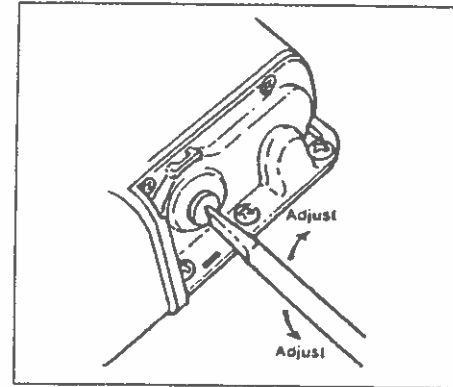


Pull blind down by its centre catch. Do not pull down by one side of the blind as this will inevitably lead to problems. Do not allow blinds to spring back freely, always control them by hand.

Adjustment



The design of the blind allows easy retensioning of the rollerspring without need for removal of the blind.



Removal of the side facia cover gives immediate access to the control mechanism.

MOTORHOME EQUIPMENT

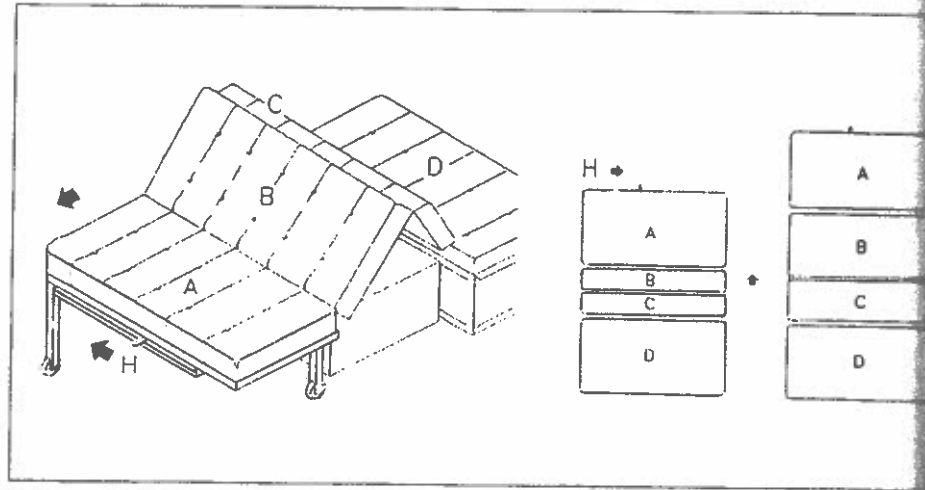
KOMET BUNK BED

To Fold Down

Move handle 'H' as indicated, to release the seat locking mechanism.
Pull the seat forward to its full extent.

To Fold Up

Push the seat/bed back until the locking mechanism engages.



This section of the handbook is devoted to the care, cleaning and general preservation of your Autohome 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.

Autohomes dealers 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 rear 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 real value but in the unlikely event of any defect appearing at some later date – a properly serviced and documented motorhome history will enable Autohomes to rapidly assess and, where appropriate, carry out the necessary remedial work. Additionally, but most importantly, regular service is a requisite of the Autohomes Guarantee and will preserve your rights under the warranty.

CLEANING

Exterior Bodywork (Not Cab)

The exterior of your motorhome is acrylic finished aluminium, which is extremely durable and easy to clean. Autohomes recommend a proprietary brand wash and wax shampoo with the use of plenty of cold water.

GRP Panels

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.

In the unlikely event of crazing appearing on a GRP panel of your motorhome, this can be rectified by your Autohomes dealer during the motorhome's next regular service.

Note: Some panels are constructed of Acrylic Capped ABS.

CARE OF YOUR MOTORHOME

Acrylic Windows

Most Autohomes are fitted with shatter resistant acrylic windows. To preserve their clarity and unblemished transparency it is essential that the following cleaning instructions are strictly adhered to:

Road grit, dust, sand, flies, lime tree secretions, bird droppings etc., should be 'swilled off' using plenty of cold water. Any remaining dirt should be washed off using a soft cloth and warm water. Under NO circumstances should any abrasive cleaning agents, household detergents or proprietary cleaning fluids be used.

Wash the window again using only cold water and dry off with a chamois leather.

NOTE: Should scratches appear on the acrylic windows these can often be removed with an acrylic polish, i.e. 'Brasso' may also have the desired effect - consult your Autohomes dealer **BEFORE** attempting to remove any but the slightest scratch.

Interior Walls

Your Autohomes Motorhome interior walls are finished with a vinyl coating and will only require a wipe over with a damp cloth, using a mild detergent, to keep them in a 'showroom' condition.

Some models may have carpet fitted to the walls which should be vacuumed periodically to remove dust.

Furniture

Treat your motorhome furniture as you would the furniture in your home. Polish wood surfaces sparingly with a good quality wax or spray polish. Use a damp cloth to clean melanate laminated surfaces.

Carpets, Upholstery and Curtains

Vacuum clean carpets and upholstery to ensure a long life. Marks on cushions can be removed using a mild upholstery shampoo with the minimum of water.

Curtains - check the manufacturers' label for washing instructions.

Shower Room and Wash Basin Fittings

These should be cleaned using a non abrasive household cleaner.

Always put the cold water into the wash hand basin before adding the hot in order to preserve the finish of the thermoplastic formed basin.

STORAGE

If the motorhome is to be stored for any length of time, especially over the winter period, the following operations are recommended.

Remove all linens, blankets, cushions, clothes, mattresses, etc. which could be affected by damp conditions. Clean the motorhome inside and out as detailed in the previous section.

Drain off the water system.

Ensure all windows, roof lights and doors are correctly fastened. Check fixed ventilation apertures are not obstructed. Check that the site you have chosen to store the motorhome is open, fairly high and dry and if possible not exposed to gales etc. If this proves impossible it is recommended that the motorhome chassis is anchored to the ground.

Jack up the motorhome (use bottle or screw jack) so that the wheels are clear of the ground. Support the motorhome axles with wooden blocks, axle stands or similar so that when the jacks are removed the wheels remain clear of the ground. Cover the tyres to prevent

deterioration. Release the handbrake. Rotate the wheels at regular intervals to maintain wheel bearing lubrication.

Should the motorhome be stored for a prolonged period of time it is strongly recommended that the motorhome is fully serviced before the commencement of use. Your Autohomes dealer will ensure that your motorhome is safe, secure and ready for your enjoyment.

Chassis

Some models of Autohomes have galvanised chassis extensions. The galvanising is a zinc coating which will lose its bright appearance with normal weathering. Occasionally a white zinc carbonate deposit can occur, this does not affect the efficiency of the galvanising and if unsightly can be cleaned off with a small amount of metal polish or light use of wire wool.

EQUIPMENT CHART

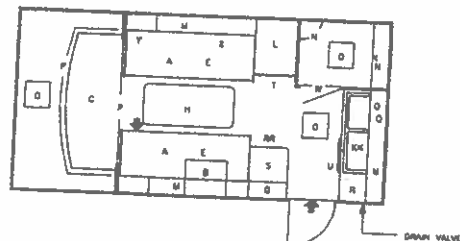
MOTORHOME EQUIPMENT CHART		RANGE	EXPLORER	MERLIN	HIGHWAYMAN			KOMET	KAMPER
		MODEL	4		I	II	III		
WATER PUMP	- SHURFLO		•	•	•	•	•	•	•
TAPS	- WHALE		•	•	•	•	•	•	•
FRESH WATER TANK	- APPROXIMATE GALLONS		16.5	12.0	16.5	16.5	16.5	16.5	16.5
WATER LEVEL GAUGE			•	•	•	•	•	•	•
WASTE WATER TANK	- APPROXIMATE GALLONS		15.5	8.0	15.5	15.5	15.5	8.3	8.3
WATER HEATER	- CASCADE 2GE (7 LTR.)								
	- CASCADE 2GE		•	•	•	•	•	•	
SHOWER			•	•	•	•	•		
TOILET	- THETFORD PORTA POTTI								
	- THETFORD CASSETTE PORTA POTTI		•	•	•	•	•		
HEATER	- PROPEX 1600 BLOWN AIR								
	- CARVER 3000		•		•	•	•		
	- MONTANA 1800			•					
OVEN	- MAXOL MONTE CARLO 3000		•						
HOTPLATE/GRILL	- 2 BURNER								
	- 3 BURNER			•	•	•	•	•	•
	- 4 BURNER		•						
REFRIGERATOR	- RM4236			•	•	•	•		
	- RM4207		•						
HEATING	- BLOWN AIR		•					•	•
E.L.C.B.	- CEC 225		•	•	•	•	•	•	•
CONTROL PANEL	- MK III		•	•	•	•	•	•	•
TRANSFORMER/CHARGER UNIT	- ZIG X2		•	X3	X3	X3	X3	•	•
SMOKE ALARM			•	•	•	•	•	•	•
FIRE EXTINGUISHER			•	•	•	•	•	•	•
FIRE BLANKET				•	•	•	•	•	•
TV SOCKET			•	•	•	•	•	•	•
RADIO					•	•	•	•	
13 AMP MAINS SOCKET(S)			•		•	•	•	•	•

KEY

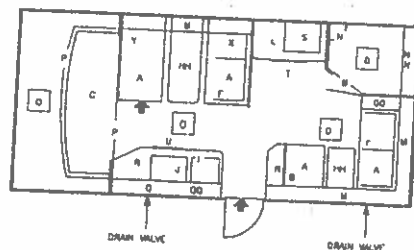
- A DINETTE/DOUBLE BED
- B BATTERY COMPARTMENT
- C OVER CAB DOUBLE BED
- E SINGLE BED/DAY SEAT
- F INERTIA SEAT BELTS
- GG TABLE STORAGE UNIT
- H FREE STANDING TABLE
- HH TABLE
- J SINK & DRAWER
- KK COMBINATION 3 BURNER HOB & GRILL, SINK & DRAINER
- L WARDROBE
- M WALL LOCKER
- MS SHELF
- N VANITY UNIT
- NN PORTA POTTI
- O ROOFLIGHT
- P DIVIDING CURTAIN
- Q WINE LOCKER
- QQ CROCKERY LOCKER
- R CUPBOARD
- RR DRAWER UNIT
- S GAS BOTTLE LOCKER
- T HEATER
- U FRIDGE
- W SHOWER
- X WATER HEATER
- Y FRESH WATER TANK
- Z WASTE WATER TANK

LOW LEVEL VENTILATION

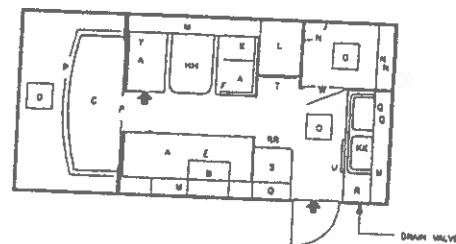
HIGHWAYMAN I



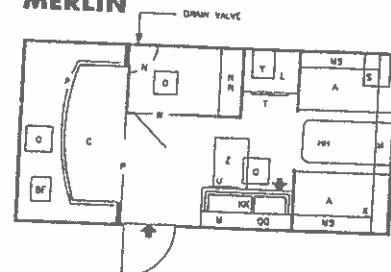
HIGHWAYMAN III



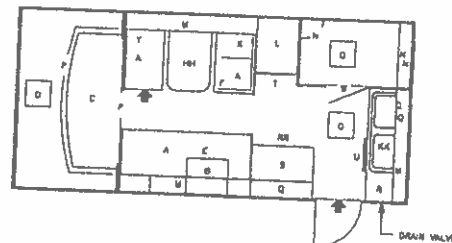
HIGHWAYMAN II



MERLIN



EXPLORER 4



ALL MOTORHOMES ON THIS PAGE ARE COACHBUILT

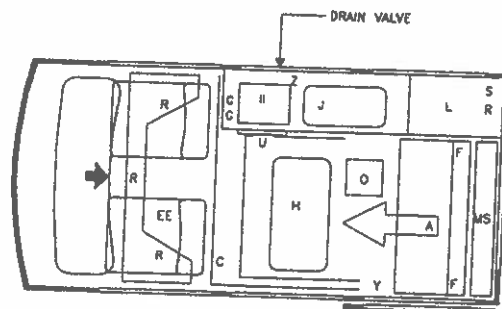
GENERAL DATA

KEY

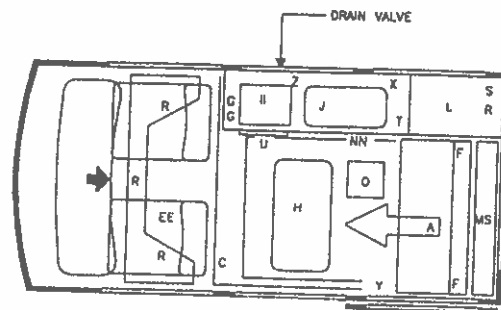
- A DINETTE/DOUBLE BED
- C OVER CAB DOUBLE BED
- EE SWIVEL CAB SEAT
- F INERTIA SEAT BELTS
- GG TABLE STORAGE UNIT
- H FREE STANDING TABLE
- II 2 BURNER HOB & GRILL
- J SINK & DRAINER
- L WARDROBE
- MS SHELF
- NN PORTA POTTI
- O ROOFLIGHT
- R CUPBOARD
- S GAS BOTTLE LOCKER
- T HEATER
- U FRIDGE
- X WATER HEATER
- Y FRESH WATER TANK
- Z WASTE WATER TANK

LOW LEVEL VENTILATION

KAMPER



KOMET

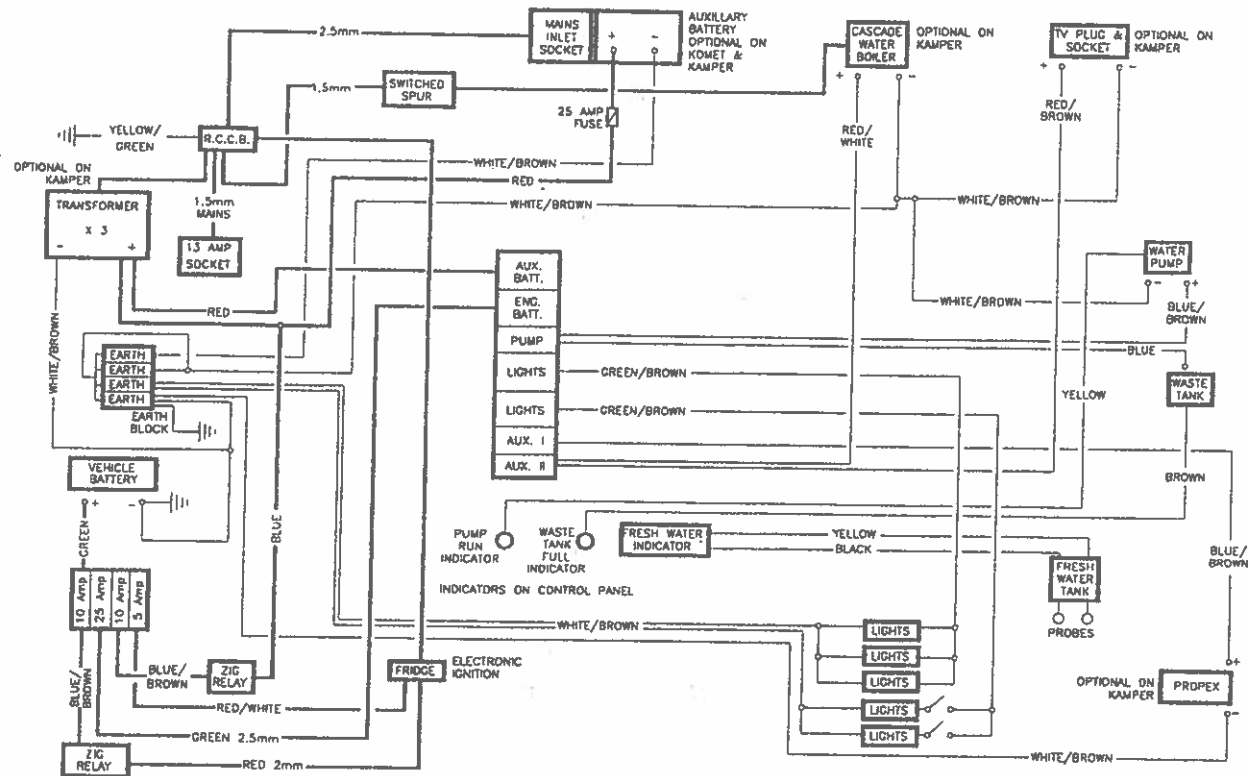


ALL MOTORHOMES ON THIS PAGE ARE PANEL VANS. PANEL VANS DO NOT MEET THE UK CLIMATIC CONDITIONS.

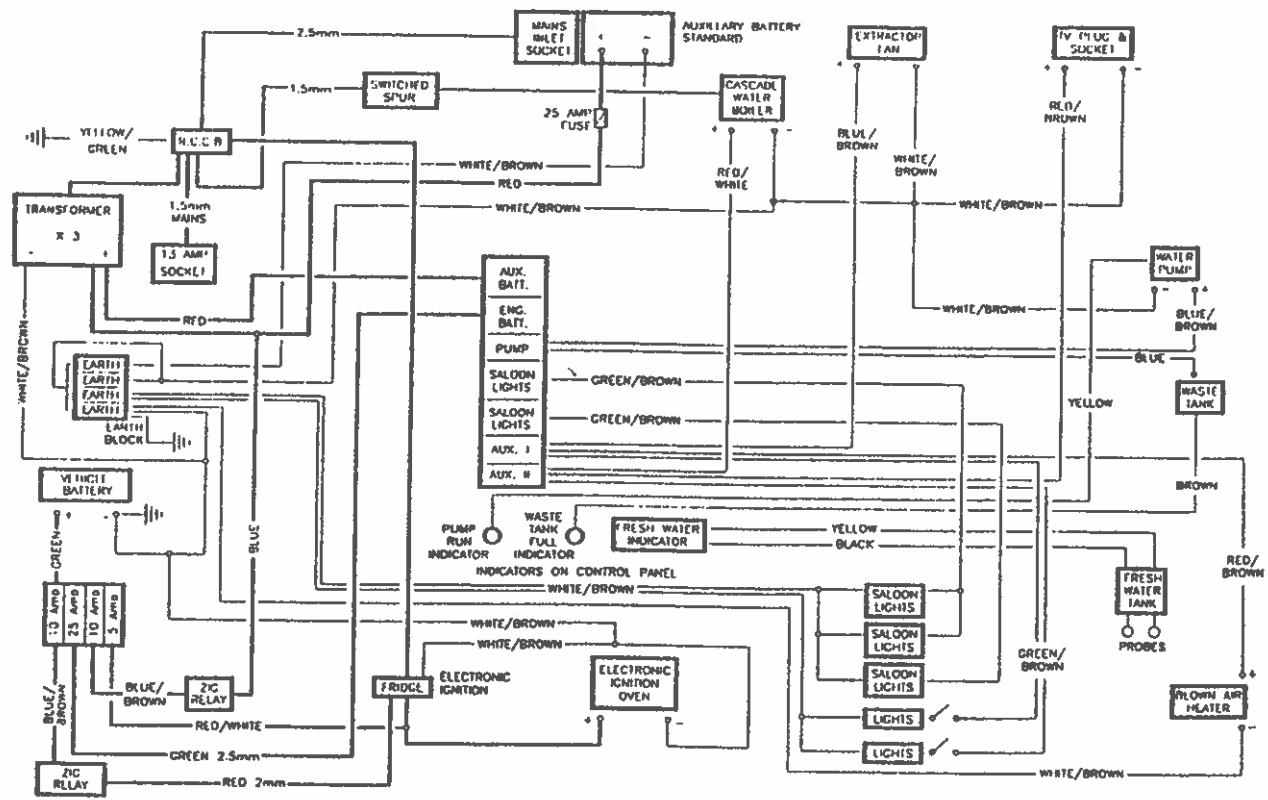
AUTOHOMES MERLIN & HIGHWAYMAN 12V/240V WIRING DIAGRAM



AUTOHOMES KOMET/KAMPER 12V/240V WIRING DIAGRAM



AUTOHOMES EXPLORER 12V/240V WIRING DIAGRAM



GENERAL DATA

MODEL	EXPLORER D	MERLIN	HIGHWAYMAN I	HIGHWAYMAN II	HIGHWAYMAN III
BASE VEHICLE	V.W.	V.W.	PEUGEOT	PEUGEOT	PEUGEOT
No. OF BERTHS/DESIGNATED PASSENGER SEATS	4/3	4/1	4/1	5/3	6/5
EXTERIOR LENGTH (mm/ins)	6050 (19'10")	5410 (17'9")	5835 (19'0")	5835 (19'0")	6615 (21'9")
OVERALL WIDTH (mm/ins)	2150 (7'½")	2150 (7'½")	2200 (7'2½")	2200 (7'2½")	2200 (7'2½")
OVERALL HEIGHT (mm/ins)	2755 (9'10")	2720 (8'11¼")	2895 (9'6")	2895 (9'6")	
MAXIMUM HEADROOM (mm/ins)	1915 (6'3½")	1936 (6'4¼")	2125 (6'11½")	2125 (6'11½")	2125 (6'11½")
INTERIOR WIDTH (mm/ins)	2014 (6'7")	2014 (6'7")	2070 (6'9½")	2070 (6'9½")	2070 (6'9½")
EX WORKS KERB WEIGHT (WET) kgs (Cwt) DIE.	2370 (46.6)	2004 (39.5)	2390 (47.0)	2421 (47.6)	2516 (49.5)
MAX. LADEN WEIGHT (G.V.W.) kgs (Cwt) DIE.	2870 (56.5)	2800 (55)	3200 (63.0)	3200 (63.0)	3200 (63.0)
MAX. PAYLOAD kgs (Cwt) DIE.	500 (9.8)	796 (15.7)	809 (15.9)	779 (15.3)	684 (13.5)
EX WORKS KERB WEIGHT (WET) kgs (Cwt) PET.	2370 (46.6)	2004 (39.5)	2300 (45.3)	2331 (45.9)	2426 (47.7)
MAX. LADEN WEIGHT (G.V.W.) kgs (Cwt) PET.	2870 (56.5)	2800 (55)	3200 (63.0)	3200 (63.0)	3200 (63.0)
MAX. PAYLOAD kgs (Cwt) PET.	500 (9.8)	796 (15.7)	900 (17.7)	869 (17.1)	774 (15.2)
FRONT AXLE M.A.W. kgs (Cwt)	1430 (28.1)	1430 (28.1)	1650 (32.4)	1650 (32.4)	1650 (32.4)
REAR AXLE M.A.W. kgs (Cwt)	1460 (28.7)	1460 (28.7)	1750 (34.4)	1750 (34.4)	1750 (34.4)
BED SIZES	OPTION 1 O/CAB DOUBLE 5'7" x 3'6" 1 x DOUBLE 6'0" x 4'0"	OPTION 1 O/CAB DOUBLE 6'7" x 3'8½" 1 x DOUBLE 6'7" x 4'6"	OPTION 1 O/CAB DOUBLE 6'9" x 3'8½" 2 x SINGLE 6'1" x 2'3½"	OPTION 1 O/CAB DOUBLE 6'9" x 3'8½" 1 x DOUBLE 6'1" x 4'0" 1 x SINGLE 6'1" x 2'2"	OPTION 1 O/CAB DOUBLE 6'9" x 3'8½" 1 x DOUBLE 6'1" x 4'0" 1 x DOUBLE 6'1" x 3'9"
	OPTION 2		1 x DOUBLE 6'9" x 3'8½" 1 x DOUBLE 6'10" x 4'0"		
Note Please add 30KG to Ex. Works Weight for Automatic Gearbox (V.W.)					
Ex Works = All standard equipment fitted at factory + 90% fuel tank, spare wheel, tools, coolant and 75kg for driver.					
Payload can vary subject to weight tolerances in materials used. Note: please add 40kg to Ex Works Weight for Turbo Diesel (Peugeot).					

GENERAL DATA

MODEL		KOMET	KAMPER
BASE VEHICLE		V.W.	V.W.
No. OF BERTHS/DESIGNATED PASSENGER SEATS		2/4/3	2/4/3
EXTERIOR LENGTH (mm/ins)		4700 (15'5")	4700 (15'5")
OVERALL WIDTH (mm/ins)		1930 (6'4")	1930 (6'4")
OVERALL HEIGHT (mm/ins)		2590 (8'6")	2590 (8'6")
MAXIMUM HEADROOM (mm/ins)		1920 (6'3½")	1920 (6'3½")
INTERIOR WIDTH (mm/ins)		1550 (5'1")	1550 (5'1")
EX WORKS KERB WEIGHT (WET) kgs (Cwt) DIE. 2.4 Ltr.		2053 (40.4)	2053 (40.4)
MAX. LADEN WEIGHT (G.V.W.) kgs (Cwt) DIE. 2.4 Ltr.		2590 (50.9)	2590 (50.9)
MAX. PAYLOAD kgs (Cwt) DIE. 2.4 Ltr.		537 (10.6)	537 (10.6)
EX WORKS KERB WEIGHT (WET) kgs (Cwt) PET. 2.0 Ltr.		1978 (39)	1978 (39)
MAX. LADEN WEIGHT (G.V.W.) kgs (Cwt) PET. 2.0 Ltr.		2515 (49.5)	2515 (49.5)
MAX. PAYLOAD kgs (Cwt) PET. 2.0 Ltr.		537 (10.6)	537 (10.6)
FRONT AXLE M.A.W. kgs (Cwt)		1280 (25.2)	1280 (25.2)
REAR AXLE M.A.W. kgs (Cwt)		1380 (27.1)	1380 (27.1)
BED SIZES			
	OPTION 1	O/CAB DOUBLE 6'4" x 3'8½"	O/CAB DOUBLE 6'4" x 3'8½"
	OPTION 2	1 x DOUBLE 6'2" x 3'8"	1 x DOUBLE 6'2" x 3'8"
Ex Works = All standard equipment fitted at factory + 90% fuel tank, spare wheel, tools, coolant and 75kg for driver.			
Payload can vary subject to weight tolerances in materials used. Note: please add 30kg for Automatic Gearbox V.W. only.			

GENERAL DATA

Gas Appliances

	Input Rating				
	MERLIN	HIGHWAYMAN	EXPLORER	KOMET	KAMPER
HOB & GRILL	6kW	6kW	7.5kW	4.5kW	4.5kW
ELECTROLUX REFRIGERATOR (GAS)	0.205kW	0.205kW	0.205kW	0.205kW	0.205kW
WATER HEATER	1.2kW	1.2kW	1.2kW	1.2kW	—
SPACE HEATER (CARVER 3000)	—	3.75kW	3.75kW	—	—
SPACE HEATER (MONTANA 1800)	1.86kW	—	—	—	—
BLOWN AIR HEATER (PROPEX 1600)	—	—	—	1.6kW	—
OVEN	—	—	1.75kW	—	—

Ventilation

Model	Location	Method of Cleaning
MERLIN, HIGHWAYMAN & EXPLORER	ROOF SKYLIGHT & FLOOR LEVEL, EXTERIOR DOOR & TOILET COMPARTMENT	DAMP CLOTH
KOMET & KAMPER	ROOF SKYLIGHT & FLOOR LEVEL	DAMP CLOTH

Light Replacement

	MERLIN, HIGHWAYMAN & EXPLORER	KOMET & KAMPER
OUT LINE MARKER	1 × 12V/5W SINGLE CONTACT	—
AWNING	2 × 12V/10W SINGLE CONTACT	—
FLUORESCENT	2 × 12V/8W 1 × 12V/8W	2 × 12V/8W 1 × 12V/8W

FOR ROAD LIGHTS REFER TO BASE VEHICLE HANDBOOK

COMMITMENT TO CUSTOMER SATISFACTION:

If you have a 'warranty' problem

In our experience the most common cause of all complaints is the result of misunderstanding or lack of communication between the customer and the dealer.

We sincerely hope you will never have cause to complain about your Autohomes Motorhome. However, if things do go wrong, the course of action for you is to contact your dealer and explain the difficulty you are having. We are confident they will do their utmost to resolve the problem to your complete satisfaction.

Sometimes, however, despite the best of intentions of all concerned, misunderstandings can occur. If your problem has not been resolved to your satisfaction, then please contact:-

The Warranty Manager,
Autohomes,
Delves Lane,
Consett,
DH8 7LG.

If you have an 'out of warranty' problem

Contact your local Autohomes dealer who will always advise you, as to the most expedient course of action.

The Autohomes warranty guarantee is valid one year from the date of purchase except when otherwise stated.

The warranty is not transferable to the second owner, regardless of the age of the motorhome.

Autohomes are not responsible for travelling costs incurred returning a motorhome to a dealer for warranty repair. This also applies to consequential loss i.e. earnings incurred.

The dealer whom the motorhome is purchased from is liable for warranty repairs. Any other Autohomes dealer may carry out work on a motorhome at his own convenience or discretion, but is not obliged to do this.

The "Autohomes" Warranty is totally separate from the warranty on mechanical parts given by the base vehicle manufacturer and is offered to the first purchaser of the vehicle only.

The warranty is not extended to cover motorhomes which are let out for hire or reward.

Designed and Produced by Preset Graphics, Derby