



# Operating instructions

## Motorhomes



Hobby Alkoven



Hobby 600



Hobby 700



## **Dear motor caravanner,**

We congratulate you on the purchase of your new HOBBY camper and hope that it will always be a faithful companion.

Please read this manual carefully, even if you have been driving a motor caravan for some time. It will help you to avoid making mistakes which could result in damage to the vehicle and its fittings. In addition, a familiarity with the technical details will increase your pleasure in driving it and help to maintain the value of your motor caravan.

We wish you and all who accompany you many relaxing trips and a good journey wherever and whenever you may travel.

Your  
HOBBY-Wohnwagenwerk  
Ing. Harald Striewski GmbH

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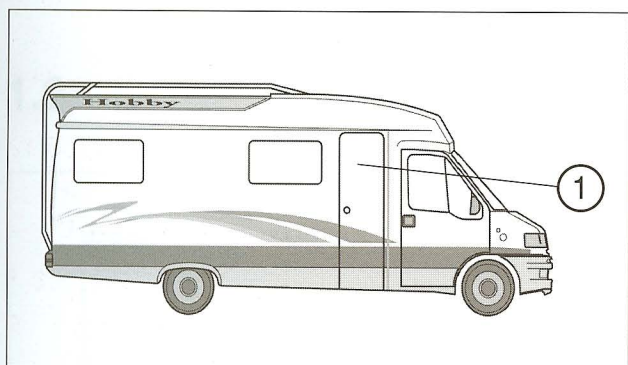
## Before setting out on your first trip

Familiarise yourself with the content of this manual. It is not intended for use simply as a reference work.

Fill out the guarantee cards for the built-in devices and accessories in the separate instruction booklets, and return the guarantee cards to the manufacturers in order to register your right to claim under guarantee for all devices.

## Representation in the user's manual

This manual explains your motorhome in the following manner:



### Text and illustrations

Texts which refer to illustrations are found to the right of the corresponding illustrations.

Details in the illustrations (here: door): are marked with a position number (1).

### Lists

- Details are listed in note form with a hyphen before each item.

### Instructions for action

- Instructions for action to be taken are also listed in note form, and each point is prefixed by a round symbol.

### Pictograms



Signs draw your attention to details which are important to guarantee the correct running of your motor caravan and its accessories.

### Warning signs



Warning signs draw your attention to possible dangers. Ignoring these danger signs could result in damage to material or human injury!

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### **Environmental tips**



Environmental tips show you how you can reduce ecological damage.



# 1 Safety

## 1.1 Points to note before your first trip

### Licensing

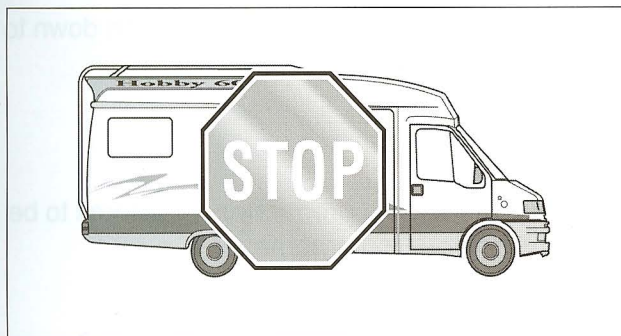
Every vehicle driving on public roads must be registered. This includes your new motor caravan.

Apply for a license at your local vehicle registration office.



If you have any further questions or if problems occur, your licensed HOBBY dealer will be pleased to help you!

## 1.2 Before and during your trip



As the owner/driver of a vehicle, you are responsible for the condition of the vehicle and the safety of your passengers. The following points must be observed:

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## Outside

Walk around the vehicle and prepare it for the trip as follows:

### Preparation of the vehicle

- If necessary, hinge up any extended stabilisers.
- Close all windows in the high top and roof window.
- Close and secure all doors and servicing flaps on the superstructure.
- Close the drainage tap for the waste water tank.
- Close all cocks and quick-closing valves of gas devices, with the exception of heating devices which are to be used while travelling.
- If necessary, unplug electric cables from the external socket.
- If necessary, retract the TV aerial as far as possible.
- If necessary, secure roof loads and lash down to prevent slippage.
- If necessary, secure bicycles and lash down to prevent slippage.

## Inside

There are also some preparatory measures to be taken inside your motorhome.

### Preparation of interior

- Tidy scattered objects and place in storage compartments.
- Stow heavy articles on lower levels.
- If necessary, switch refrigerator to 12 V operation.
- Ensure that no liquids can leak anywhere, including liquids inside the refrigerator.
- Secure gas bottles.
- Close the gas bottle main valve and the quick-closing valves of the individual gas devices.
- Make sure doors (including refrigerator door), drawers and flaps are closed tight.
- Secure table fixation.





Do not overload the vehicle! Do not exceed the permissible axle weight, permissible overall weight, permissible height, width or length of the vehicle.



Put up a note showing all important weights and measurements (see Technical Data) in a prominent position in the cab.

## Driver's cab

### Do not forget the following

- Adjust the inside and outside mirrors and the position of the seat.
- Check the lights.

### In addition

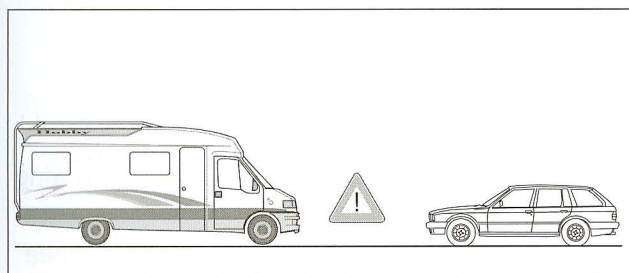
- Check the tyre pressure.
- Check liquids such as oil, radiator water, brake fluid and water for the windscreen washers, and top up if necessary.
- Before filling up with fuel, switch off all gas devices (heating, refrigerator etc.).

## Before setting out

Before setting out, you should be able to answer the following questions with „Yes“:

- Do you have a first-aid box and warning triangle on board?
- Are the lights (rear lights, dipped headlights, brake lights and indicators) in good working order?

## 1.3 Advice for your trip



Your motorhome is not a car!

In many situations, it handles differently to a „normal car“. Pay particular attention to the following differences:

## Loading

### The following applies when loading your motorhome

- Load evenly. Heavy or bulky items should be stowed in the lower storage lockers.
- Lash the roof load down well.
- Inside the motorhome, stow luggage in cupboards and storage compartments.
- Secure doors and flaps.
- After loading, check the total weight on a public weighbridge.



Permissible axle weights and overall weight must not be exceeded.

## Roof load (max. 50 kg)

Due to the different roof loads carried, the height of the motorhome can vary from trip to trip.

### When loading the roof

- Add the dimensions of the roof load to the height of the motorhome.
- Put up a note with the total height in a prominent position in the driver's cab to save you having to calculate the height every time you drive under a low bridge or through a narrow passage.

## Brakes

### The following applies to the brakes

- The motorhome has a longer braking distance, particularly on wet roads.
- When travelling in hilly regions, do not use a higher gear downhill than uphill.

## Manoeuvring

Your motorhome is much bigger than a car.

### When manoeuvring

- The blind spot is much larger, even if the wing mirrors are correctly adjusted.
- When parking in spots where you cannot see very well, ask someone to guide you in.



## Passenger safety

### While travelling

- For every place where a passenger is transported, there must be a seat belt, i.e. those seats where the passenger sits sideways to or with his back to the direction of travel may not be occupied!
- Passengers must remain seated with their seat belts fastened!
- Do not open the door locks!
- No other persons may be transported in the vehicle!

## Driving

Before you set off on your first long trip, take a test drive in order to familiarise yourself with driving the motorhome. Practise reversing, too.

### When driving

- Do not underestimate the length of your motorhome.
- Take especial care when turning into driveways and driving through gateways.
- If side winds occur, if the road is icy or wet, the motorhome may sway.
- Always adapt your speed to suit the road and traffic conditions.
- Long, gently sloping stretches may be dangerous. Adjust your speed from the start so that if necessary you can still accelerate the vehicle without endangering other road-users.
- When driving downhill, you should never drive faster than when going uphill.
- When overtaking or being overtaken by other vehicles, the motorhome can be caught in a suction current. Steering lightly in the opposite direction will counteract this.

## Reversing

### When reversing

- Ask someone to guide you when you have to reverse.

## Bends

As a result of its added height, a motorhome is more likely to sway than a car.

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### **When driving around bends**

- Do not drive into the bend too fast!

### **Driving economically**

The engine of your motorhome is not intended for constant use at full load capacity.

### **When driving**

- Foot off the gas!
- The last 20 km/h to take you to top speed can cost up to 50 % more fuel!

### **Refuelling**

The motorhome contains a number of fittings with an open flame.

### **When refuelling**

- Switch off all gas devices (heating, refrigerator etc.)!

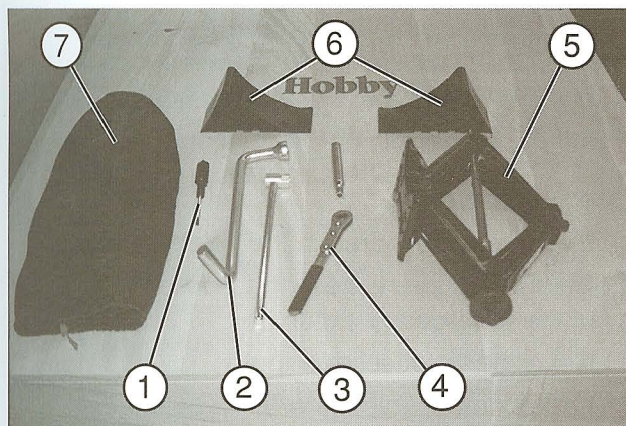
### **Saving energy in winter**

In the living area, it is easy to save energy. This is particularly important when heating in winter.

### **To save energy**

- Carefully ration your use of the ventilation system and heating flap.
- In the driver's cab, fit insulation mats for the side windows and windscreen (not included in delivery).
- Fit a dividing mat between the driver's cab and the living area (not included in delivery).
- Use aluminium-coated insulation mats and window blinds. These provide protection against cold and heat.
- Open the outside door as little and as briefly as possible.
- If you are camping in winter, it might be a good idea to fit a small awning as a protection against the cold.

## 1.4 Tool kit on board



A set of basic tools is provided in the original vehicle (FIAT or PEUGEOT).

- Screwdriver (1)
- Wheel nut wrench(2)
- Crank for stabilisers (3)
- Wrench (4)
- Jack (5)
- Chocks (6)
- Tool bag (7)

## 1.5 Emergency equipment

To be prepared for emergencies, you should always have the following three items of emergency equipment with you and you should be familiar with their use.

### First-aid box

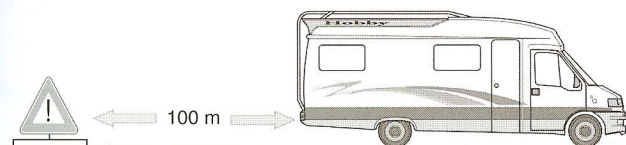
(special equipment, a legal requirement, but not included in the range of delivery)

The first-aid box should be easily accessible at all times and always stored in the same place in the motorhome. Any items removed from the first-aid box should be replaced immediately. Check the use-by date on dressing material and medicines regularly.

### Warning triangle

(special equipment, not included in the range of delivery but a legal requirement)

The warning triangle should also be easily accessible at all times and should always be stored in the same place in the motorhome, preferably together with the first-aid box.



### In an emergency

- Erect the warning triangle at least 100 m before the danger spot!

## **Fire extinguisher**

(not included in delivery)

Take the time to familiarise yourself with the correct use of the fire extinguisher. Check the filling date! Fire extinguishers must be inspected every two years.

### **Fire precautions**

- Never leave children in the vehicle alone.
- Familiarise everyone with the location and use of the emergency exits.
- Never obstruct escape routes.
- Keep combustible material away from all heating and cooking devices.
- Place a fire extinguisher at the main entrance.
- Place a fire blanket near the cooker.
- Familiarise yourself with the instructions on the fire extinguisher.
- Familiarise yourself with the fire safety precautions on-site.

### **Firefighting**

- Evacuate everyone.
- Close the valves of the gas containers.
- Switch off the electrical supply.
- Raise the alarm and notify the fire brigade.
- Only fight the fire yourself if this can be done without risk.

## **1.6 Speed limits**

Do not exceed the speed limit for the respective country!

The following table shows the maximum speeds permitted for motorhomes in European countries (as per 03.01.2000).



Country	Measurements (m)		Perm. total weight (t)	Maximum speed (km/h)		
	Width	Length		In built-up areas	Outside built-up areas	Motorways
Belgium	2,50	12	up to 7.5 over 7.5	50	90/120 *1 60/90 *1	120 90
Bulgaria	2,60	11	up to 7.5 over 7.5	50	90 70	120 100
Denmark	2,55	12	up to 3.5 over 3.5	50	80 70	110 70
Germany	2,55	12	up to 3.5 3.5 to 7.5 over 7.5 *11	50	100 80 80	130 *2 80 80
Estonia	2,50	12	up to 3.5 over 3.5	50	90 70	110 90
Finland	2,60	12		50	80 *15	80 *15
France	2,50	12	up to 3.5 over 3.5	50	90 *3/110 *1; 3 80 *3/100 *1; 3	130 *3 110 *3
Greece	2,50	12		50	110/120 *1	120
Great Britain	2,55	12		48	96/112 *1	112
Ireland	2,50	12		48	96/112 *1	112
Iceland	2,55	12		50	90 *4	
Italy	2,55	12	up to 3.5 over 3.5	50	90/110 *1 80	130 100
FR Yugoslavia	2,50	12	up to 3.5 over 3.5	60	80/100 *1 80	100 80
Croatia	2,55	12		50	80/100 *1	130 *18
Latvia	2,50	12	up to 7.5	50	90 *2	90
Lithuania	2,50	12	up to 3.5 over 3.5		90 70	110 *9
Luxembourg	2,50	12	up to 3.5 over 3.5	50	90 75	120 90
EJR Macedonia	2,50	12		50/60	80	80
Netherlands	2,55 *14	12		50	80/100 *1	120
Norway	2,55	12,4	up to 3.5 3.5 to 7.5	50	80/90 *1 80	90 80
Austria	2,55	12	up to 3.5 3.5 to 7.5	50	100 70	130 *8 80
Poland	2,50	12	up to 2.5 over 2.5	60	90 70	130 70
Portugal	2,55	12	up to 3.5 over 3.5	50	90/100 *17 80/90 *17	120 *7 90
Romania	2,50	12	up to 3.5 over 3.5	50 40	90 60	90 60
Russia	2,50	12		50	90 *10	90 *10
Sweden *16	2,60	24	up to 3.5 over 3.5	50	70/90 *17 80/90 *1	110 90

Country	Measurements (m)		Perm. total weight (t)	Maximum speed (km/h)		
	Width	Length		In built-up areas	Outside built-up areas	Motorways
Sweden	2,60	24	up to 3.5 over 3.5	50	70/90 80/90	110 90
Switzerland	2,55	12	up to 3.5 over 3.5 *12	50	80/100 100	120 100
Slovakian Republic	2,50	12	up to 3.5 3.5 to 6.0	60	90 80	130 80
Slowenia	2,55	12	up to 3.5 over 3.5	50	80/100 80	100 80
Spain	2,55	12		50	80/90/100	100
Czech Republic	2,50	12	up to 3.5 over 3.5	50	90 80	130 80
Turkey	2,50	10		50	80	130
Ukraine	2,50	12		60	90	110
Hungary	2,50	12	up to 3.5 over 3.5	50	80/100 70	120 80
Cyprus	2,50	16,5		50	80	100

- \*1: On expressways.
- \*2: Recommended maximum speed 130 km/h.
- \*3: On wet roads, reduce speed by 10 km/h, on motorways by 20 km/h.
- \*4: On unmade roads (gravel): 80 km/h.
- \*5: On roads with more than one lane in each direction.
- \*6: On roads for motor vehicles.
- \*7: Anyone holding a driving licence for less than one year is not allowed to exceed 90 km/h. The corresponding plates (available from the ACP offices) must be displayed clearly on the back of the vehicle.
- \*8: From 10pm to 5 am, the speed limit is 110 km/h on all motorways. Exceptions A1 (Salzburg-Vienna) and A2 (Salzburg-Villach).
- \*9: Up to 1100 ccm: 70 km/h, up to 1800 ccm: 80 km/h, over 1800 ccm: 90 km/h.
- \*10: 70 km/h for those holding their driving licence for under 2 years.
- \*11: Under § 57 of the StVZO (German road traffic regulations), vehicles of more than 7.5 tons total weight require a tachograph. However, it is unclear whether this applies to privately used motor caravans.
- \*12: A heavy goods vehicle supplement must be paid for all vehicles over 3.5 tons total weight.
- \*13: The experience of the last few years shows that no complaints are made about excess width or length in German vehicles.
- \*14: On main roads 2.55 m, on roads labelled „B“ 2.20 m.
- \*15: For motor caravans licensed for the first time from 1995 on up to an unladen weight of 1875 kg and motor caravans licensed for the first time from 1981 on up to an unladen weight of 1800 kg, the speed limit is 100 km/h.
- \*16: On Swedish campsites, a closed waste water system is often stipulated.
- \*17: Corresponding to the signs.
- \*16: On motorway-like roads.



See also the traffic regulations 253, 273 and 277 in accordance with §41 StVO (German road traffic regulations).



See also §3, §7 and §18 StVO (German road traffic regulations).





## 1.7 When you arrive

### Choosing a site

#### When choosing a site

- Look for a site which is as level as possible.

### Parking securely

#### When parking

- Put the vehicle in gear.
- Put on the hand brake.
- If necessary, extend the support struts.



If temperatures are below zero, only apply the hand brake slightly and ensure the vehicle is in gear to prevent the hand brake freezing!

### Switching over energy-consuming devices

#### When switching over the energy-consuming devices

- Switch the refrigerator from 12 V to gas or 230 V, as the 12 V supply switches itself off automatically after a short time when the motor is not running.





## 2 Undercarriage

### 2.1 Undercarriage

The undercarriage consists of the frame and the axles. Technical alterations are not permissible, as otherwise the general operation authorisation expires!



Technical alterations are only permissible with the prior authorisation of the manufacturer.



For further information, please refer to the enclosed operation instructions for the original vehicle.

### 2.2 Loading



The maximum permissible axle loads entered in the vehicle documents and the maximum permissible total weight must not be exceeded.

#### **Motorhome weights in acc. with 92/21/EWG**

Motorhome weights are classified according to three categories:

- Standard equipment
- Possible increased load via maxichassis
- Possible increased load per special permit to 3500 kg

## Standard equipment

Type	Techn. permissible total mass in laden state	Basic equipment (gas, water, electricity)	Mass in drive-off status	Useful load
	kg	kg	kg	kg
600/600 FS Series D	3400	176	3022	378
600/600 KS Series D	3400	176	3022	378
600/650 FS Series D	3400	176	3174	226
600/650 FSe Series D	3400	176	3174	226
700/750 FMSe Series D	4500	176	3542	958
545 M (1.9 l) Alkoven	3400	194	2899	501
545 M (2.8 l) Alkoven	3400	194	2899	401
595 CM Alkoven	3400	194	3127	273
595 KM Alkoven	3400	194	3169	231
595 SM Alkoven	3400	194	3092	308

The useful load is the „technically permissible overall mass in laden state“ minus the „mass of the vehicle in running order“. This value must include

- the conventional load (number of seats permitted for operation of the vehicle - excluding driver's seat - multiplied by 75 kg)
- additional equipment (fittings installed by the manufacturer or dealer but which are additional to the standard equipment)
- personal equipment (e.g. clothing, toiletries and kitchen equipment, food, sports equipment, television, toys, pets etc.)

to lock up.



### Possible increased load per maxichassis

Type	Techn. permissible total mass in laden state	Basic equipment (gas, water, electricity)	Mass in drive-off status	Useful load
	kg	kg	kg	kg
600/650 FS Maxi Series D	3850	176	3232	618
600/650 FSe Maxi Series D	3850	176	3232	618
595 CM Maxi Alkoven	3850	194	3177	673
595 KM Maxi Alkoven	3850	194	3219	631
595 SM Maxi Alkoven	3850	194	3142	708

The useful load is the „technically permissible overall mass in laden state“ minus the „mass of the vehicle in running order“. This value must include

- the conventional load (number of seats permitted for operation of the vehicle - excluding driver's seat - multiplied by 75 kg)
- additional equipment (fittings installed by the manufacturer or dealer but which are additional to the standard equipment)
- personal equipment (e.g. clothing, toiletries and kitchen equipment, food, sports equipment, television, toys, pets etc.)

to lock up.

**Possible increased load per special permit to  
3500 kg**

Type	Techn. permissible total mass in laden state	Basic equipment (gas, water, electricity)	Mass in drive-off status	Useful load
	kg	kg	kg	kg
600/600 FS Series D	3500	176	3022	478
600/600 KS Series D	3500	176	3022	478
600/650 FS Series D	3500	176	3174	326
600/650 FSe Series D	3500	176	3174	326
545 M (1.9 l) Alkoven	3500	194	2899	601
545 M (2.8 l) Alkoven	3500	194	2899	501
595 CM Alkoven	3500	194	3127	373
595 KM Alkoven	3500	194	3169	331
595 SM Alkoven	3500	194	3092	408

The useful load is the „technically permissible overall mass in laden state“ minus the „mass of the vehicle in running order“. This value must include

- the conventional load (number of seats permitted for operation of the vehicle - excluding driver's seat - multiplied by 75 kg)
- additional equipment (fittings installed by the manufacturer or dealer but which are additional to the standard equipment)
- personal equipment (e.g. clothing, toiletries and kitchen equipment, food, sports equipment, television, toys, pets etc.)

to lock up.

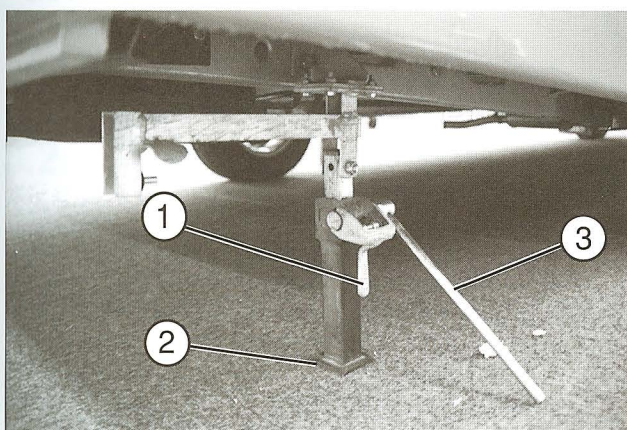


Ensure that the mass of all objects carried in the motor caravan has been included, e.g. passengers, additional equipment and personal equipment such as clothing, food and pets, bicycles, surfboards, other sports equipment etc.).



Under no circumstance may the maximum permissible laden weight for a motorcaravan be exceeded.

## 2.3 Stabilisers



### Standard stabilisers

The stabilisers are found at the rear of your motorhome, underneath it.

### Extending the stabilisers

- To release the stabilisers, press the fork (1) and pull it towards the hinge.
- Extend the stabilisers.
- If necessary, prevent the stabilisers sinking.
- Place the stabilisers on the base (2).
- Using the crank (3), level the stabilisers until the vehicle is horizontal.

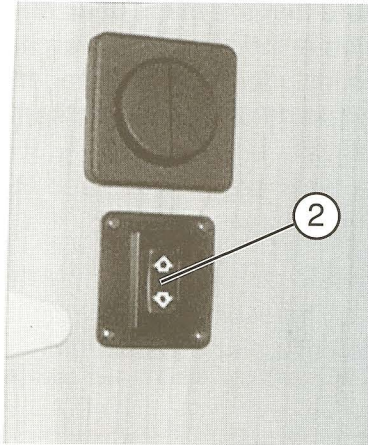
### Folding away the stabilisers

- Using the crank (3), relieve the stabilisers.
- Fold the stabilisers up.
- Press the fork (1) to engage the stabilisers.

## 2.4 Doorstep



Motorhomes of the Alkoven series have a doorstep (1) which can be travelled out electrically.



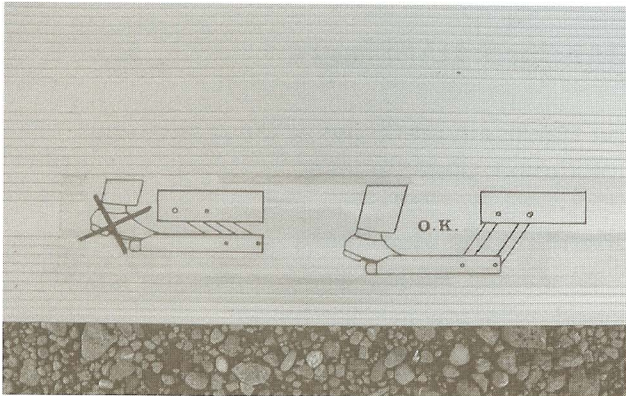
### Opening

- Press the switch (2) in the entrance area downwards.

### Closing

- Press the switch (2) in the entrance area upwards.

The doorstep travels out automatically.



Do not step onto the doorstep until it has travelled out fully!



Beware of the different height of the steps and when stepping out onto firm and level ground.



You must travel the doorstep in again before you drive off!



## 3 Tyres, wheels, brakes

### 3.1 Tyres

Only use tyres specified in the technical documentation. Other tyre sizes may only be used with the prior permission of the manufacturer.

#### How to go easy on your tyres

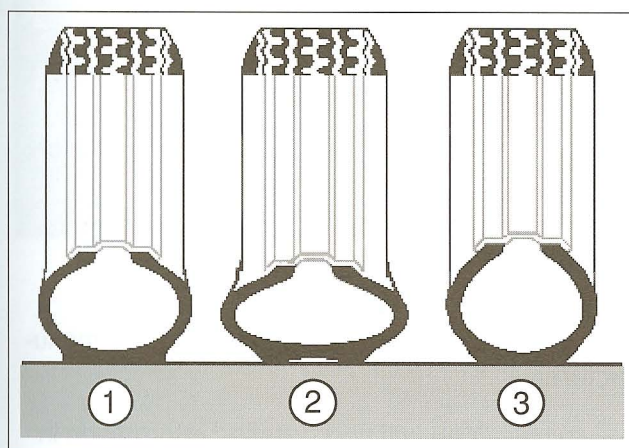
- Avoid braking sharply and racing starts.
- Avoid long journeys on bad roads.
- Never overload the vehicle.



Your HOBBY motorhome is fitted with tubeless tyres. Never fit tubes into these tyres!

### 3.2 Tyre pressure

Check the air pressure in all tyres and in the spare wheel every two weeks and before long journeys.



#### The following applies to pressure testing

- The pressure must be measured when the tyre is cold.
- If warm tyres are tested or the pressure in warm tyres adjusted, the pressure must be 0.3 bar higher than in a cold tyre.

#### How to see the right pressure

- Correct tyre pressure (1).
- Tyre pressure too low (2).
- Tyre pressure too high (3).



If the pressure is too low, the tyre will overheat. This can cause serious damage to the tyre.



For the correct tyre pressure, see the table wheels/tyre pressure in the chapter „Technical Data“ or the operating instructions for the original vehicle.



When changing a wheel, also observe the vehicle manufacturer's instructions and the AL-KO operating instructions.

### Changing a wheel

- On soft ground, place a stable surface under the jack, e.g. a wooden plank.
- Apply the jack at the specially provided bores.
- Using a wheel wrench, loosen the wheel nuts by a few turns but do not remove them!
- Jack up the vehicle until the wheel is approx. 2 to 3 cm above the ground.
- Remove the wheel nuts and pull off the wheel.
- Fit the spare wheel on the wheel hub and align it.
- Fit wheel nuts and tighten slightly, working diagonally.
- Jack the car down and remove the jack.
- Tighten the wheel nuts evenly using a wrench. See the original vehicle manufacturer's instructions for the set value of the tightening torque for the wheel nuts.
- Place the wheel you removed in the spare wheel mount and fix it there.



You should always have a spare wheel which is ready for use, so have the old wheel repaired immediately.

## 3.6 Brakes

The components of the brake assembly are stipulated in the general operation authorisation. If you make alterations to the brake assembly, the general operation authorisation expires. Any changes have to be authorised by the manufacturer.



In your own interests, have your brakes serviced regularly at your Fiat/Peugeot garage.

### Regular care of your brake assembly means

- checking the level of the brake fluid regularly.
- checking the brake assembly and the brake hoses regularly for leaks. Martens like to chew rubber hosing.
- Only use brake oils with the same qualities as those already in the brake assembly.



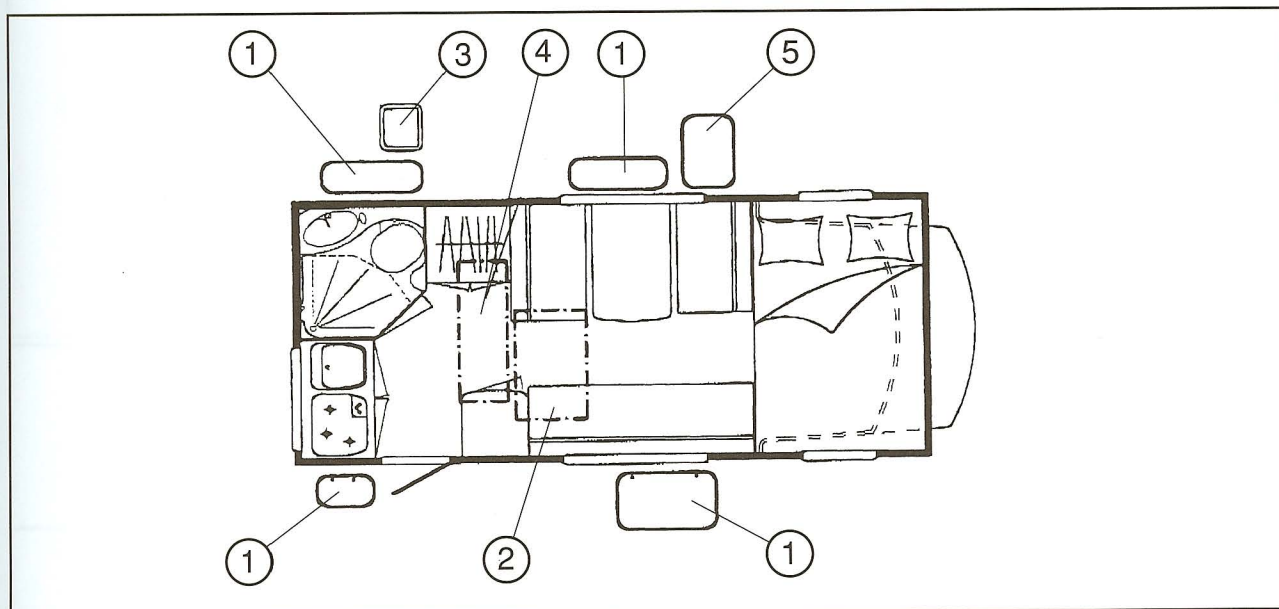
For further information, see the operating instructions from the manufacturer of the original vehicle.



## 4 External construction

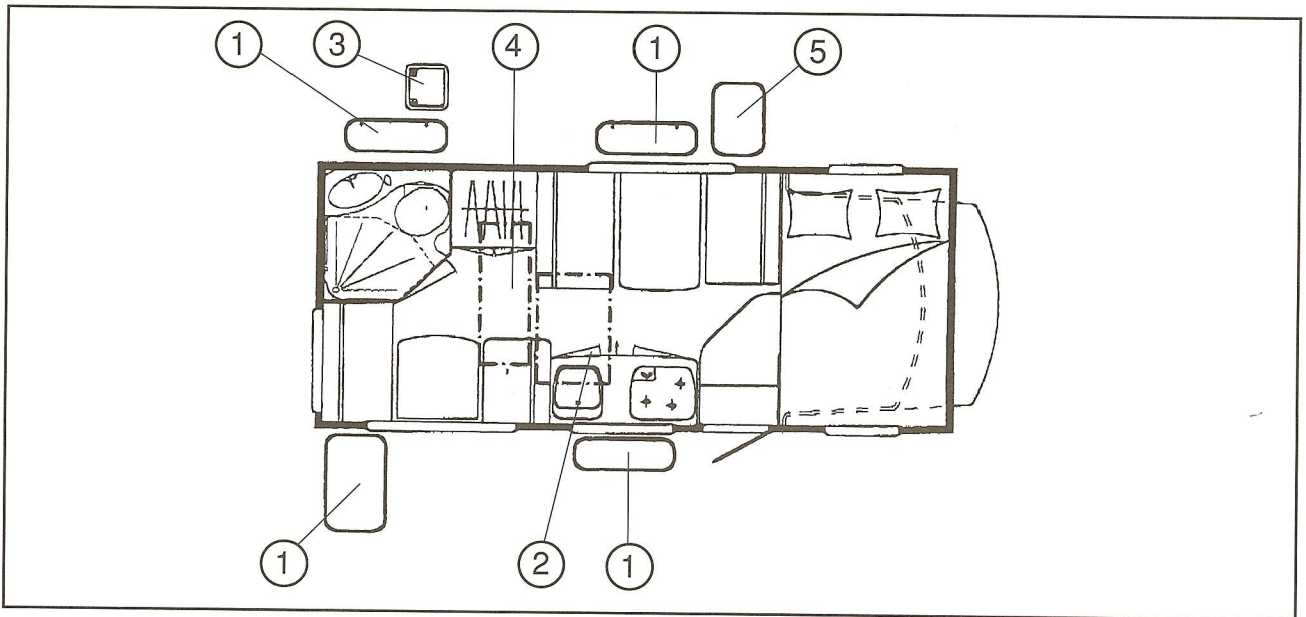
### 4.1 Overview of the filling and servicing flaps

#### Model 595 CM

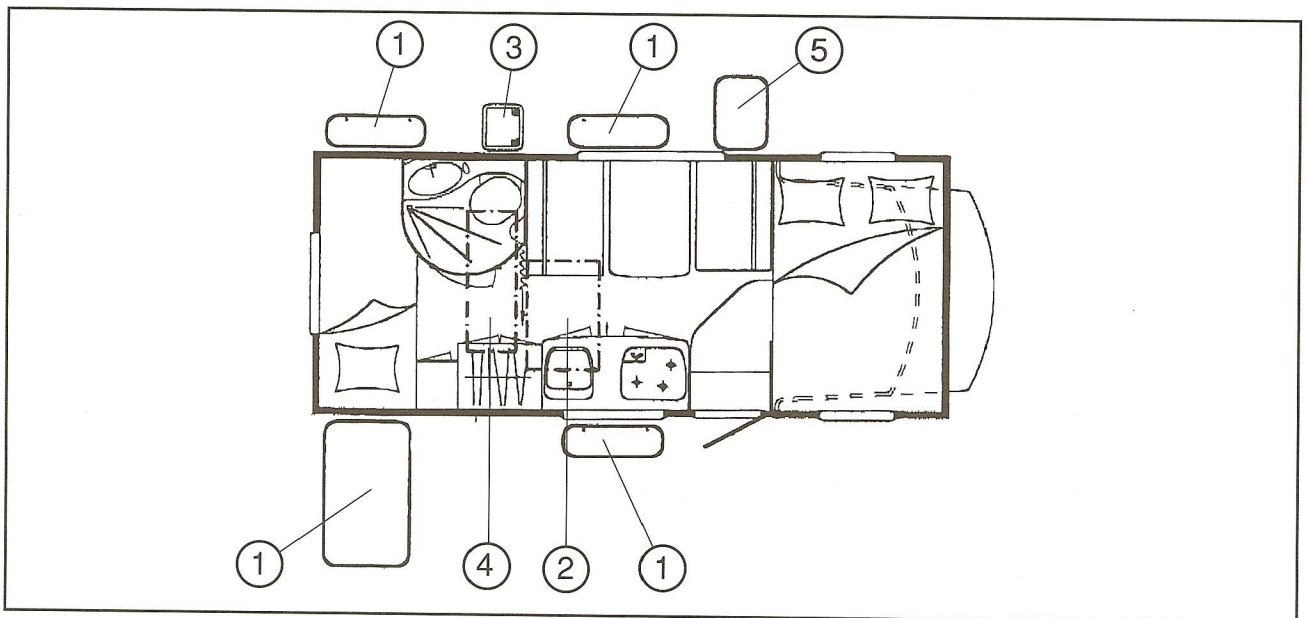


- Storage flap (1)
- Waste water tank (2)
- Toilet flap (3)
- Fresh water tank (4)
- Gas compartment flap (5)

## Model 595 SM

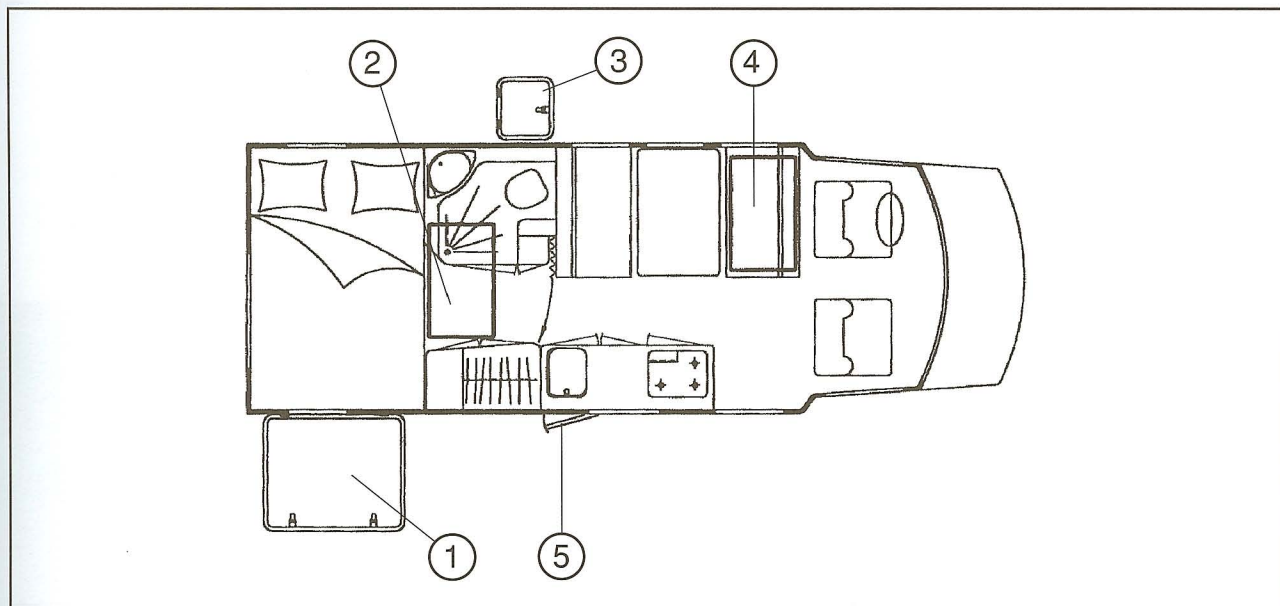


## Model 595 KM

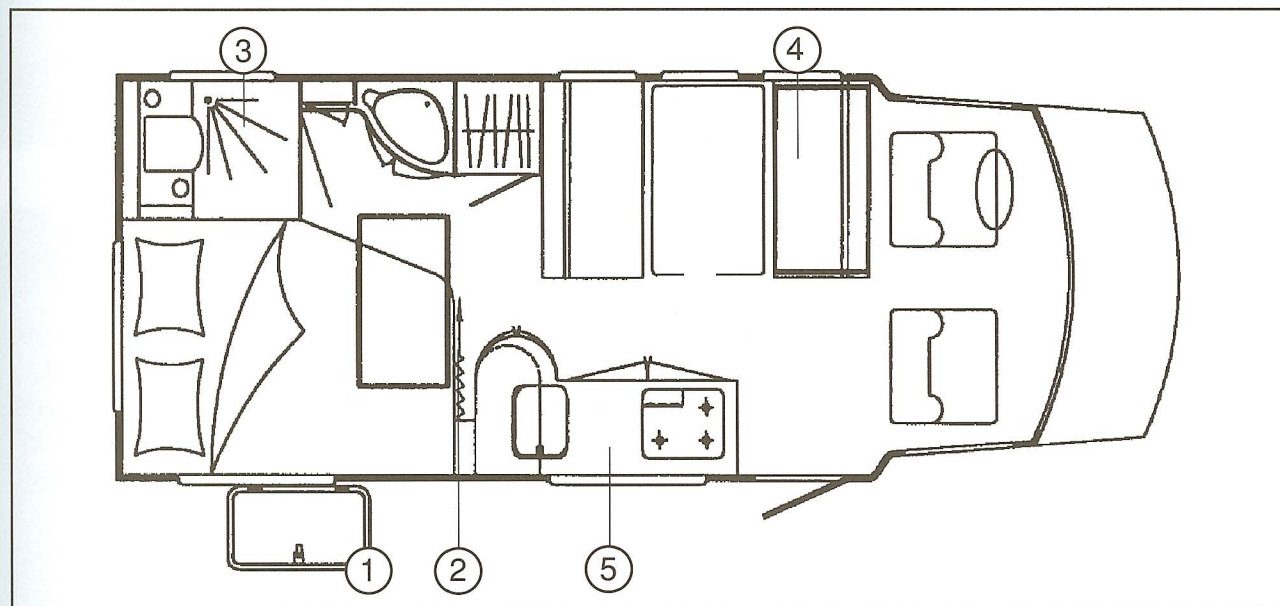


- Storage flap (1)
- Waste water tank (2)
- Toilet flap (3)
- Fresh water tank (4)
- Gas compartment flap (5)

### Model 600 L / 650

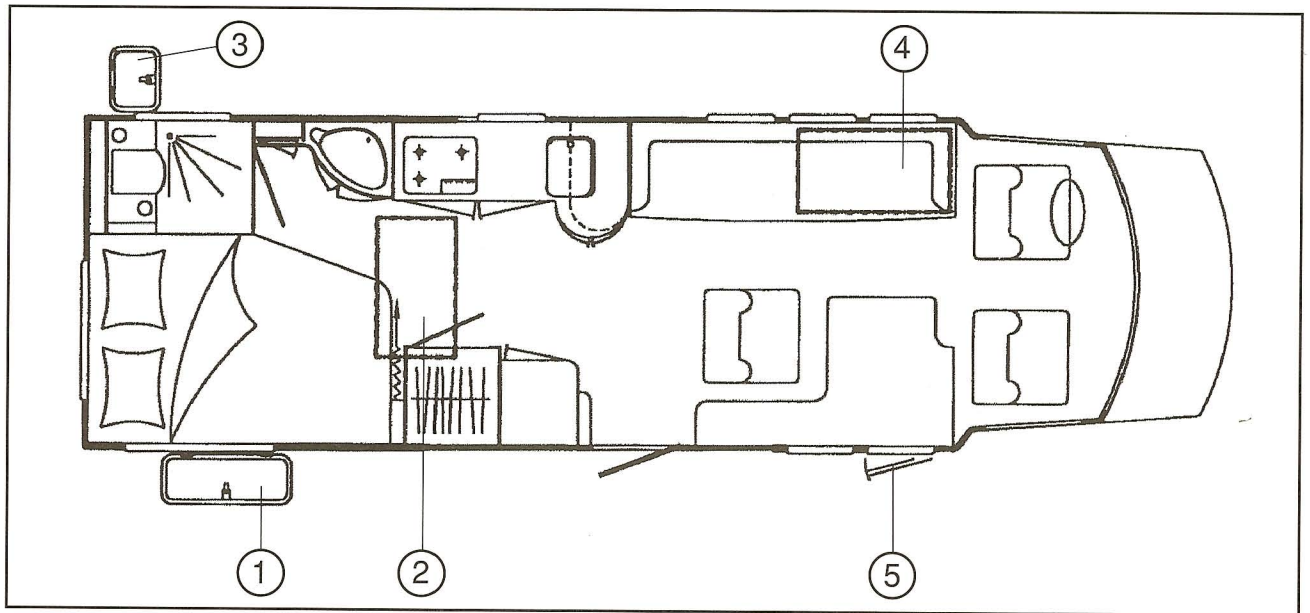


### Model 600 L / 650 Sfe



- Storage flap (1)
- Waste water tank (2)
- Toilet flap (3)
- Fresh water tank (4)
- Gas compartment flap (5)

## Model 700 / 750



- Storage flap (1)
- Waste water tank (2)
- Toilet flap (3)
- Fresh water tank (4)
- Gas compartment flap (5)

### 4.2 Blown-air ventilation/ Blown-air extraction

#### The following points apply to the blown-air ventilation system

Correct ventilation of your motorhome is essential for your comfort. Your motorhome is fitted with a draught-free blown-air ventilation system in the floor and a blown-air extraction system in the roof window. These must not be obstructed or their action impaired in any way.

The ventilation and extraction system for the refrigerator can be covered with appropriate covers as long as the refrigerator is not gas-operated.



Pay attention to the information on the covers. The covers are only to be used for electrical operation in winter.

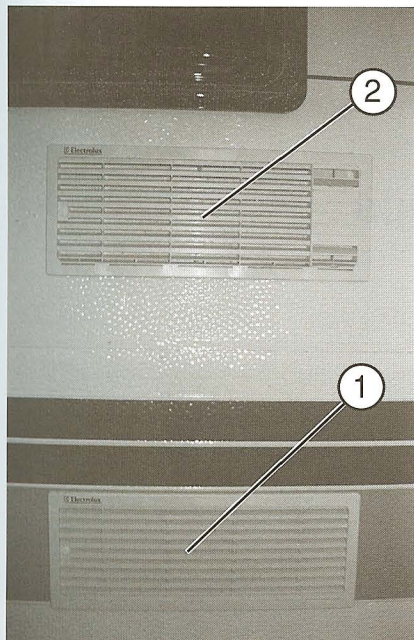




Water vapour is generated due to cooking, wet clothing etc. One person produces up to 35 g of water in an hour. Depending on the relative air humidity, it will also be necessary to ventilate via the windows and the elevated roof (see also „Operation in winter“).

## Refrigerator

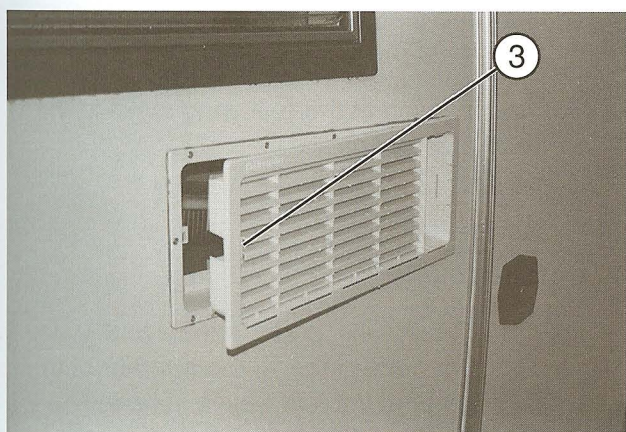
To ensure sufficient cooling, the refrigerator is fed with fresh air from outside via grilles. The ventilation grille (1) is at the bottom of the outer wall of the vehicle. The extraction grille (2) is located above the ventilation grille.



Danger of suffocating if the ventilation apertures are obstructed! Ensure that ventilation apertures are always free.



For winter operation, special cover plates can be applied. You can purchase these cover plates through your licensed dealer.

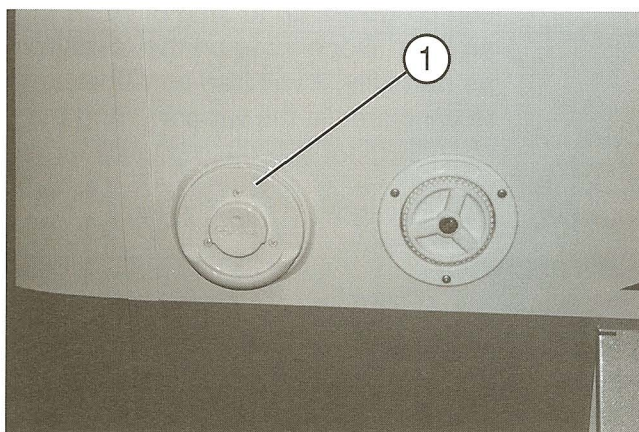


If the temperatures outside are very high, we recommend removing the ventilation grilles. This increases the air flow to the refrigerator and thus its cooling action.

### Removing the ventilation grilles

- Turn the screw (3) to the left as far as it will go.
- Carefully pull out the left side of the ventilation grille first.
- Then remove the ventilation grille.

## Heating



The heating is supplied with fresh air from outside via a ventilation flap (1). The waste air from the heating system is also routed outside via this ventilation flap.



Danger of suffocating if the ventilation apertures are obstructed!  
Ensure that ventilation apertures are always free.

## 4.3 Opening and closing doors and flaps

### Keys

The following keys are supplied with your motorhome:

- One master key.
- Two keys which fit the following locks on the original vehicle:
  - Driver and passenger door.
- One code card.



For additional information, see also the instructions from the manufacturer of the original vehicle.

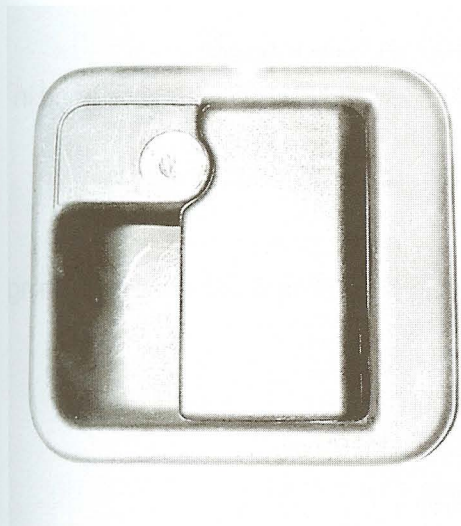
- Two keys which fit the following locks in the caravan extension:
  - Door.
  - Service flaps.
  - Toilet flap.



In addition, a self-adhesive aluminium plate bearing the number of the original vehicle key is supplied.



## Door, Series 595



### Opening

- Release the lock with the key.
- Pull on the door handle.
- Open the door.

### Closing

- Close the door.
- Turn the key until you hear the lock engage.
- Turn the key back to vertical position and remove it.

## Door, Series 600/700



### Opening

- Release the lock with the key.
- Turn the door handle.
- Open the door.

### Closing

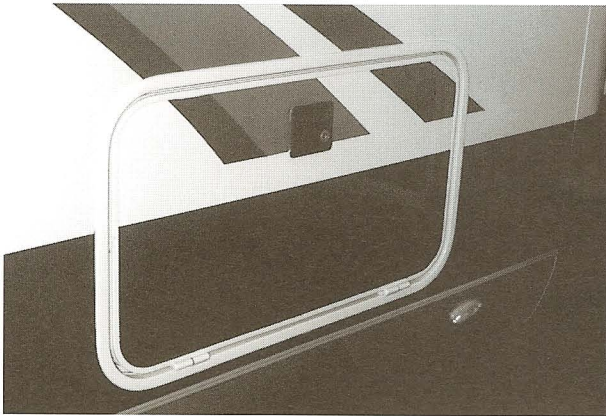
- Close the door.
- Turn the key until you hear the lock engage.
- Turn the key back to vertical position and remove it.



To prevent damage to the lock and the doorframe, the inner doorknob must be horizontal and not pointing obliquely upwards.



This door is your escape route in an emergency, so never block it off from the outside!



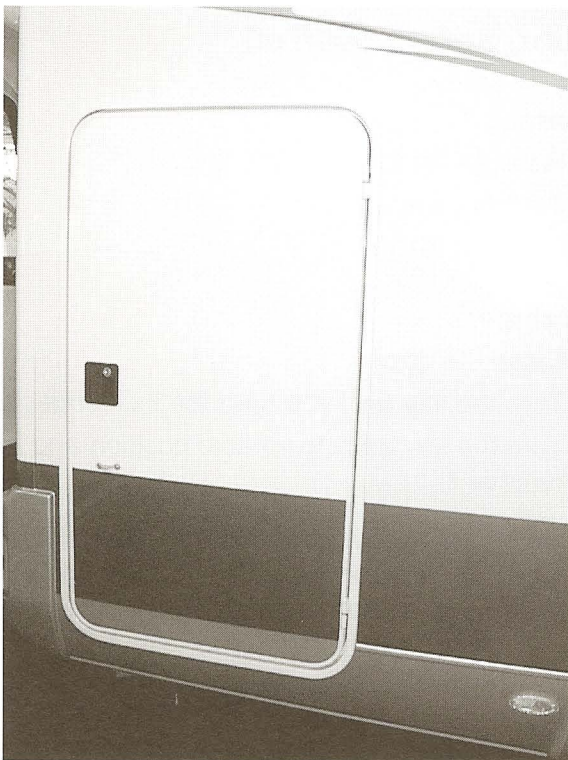
## Boot flap

### Opening

- Release the lock with the key.
- Push the flap inwards firmly with your hand in the region of the lock.
- Open the flap upwards or downwards.

### Closing

- Close the flap by pulling it upwards or pushing it downwards.
- Lock with the key.



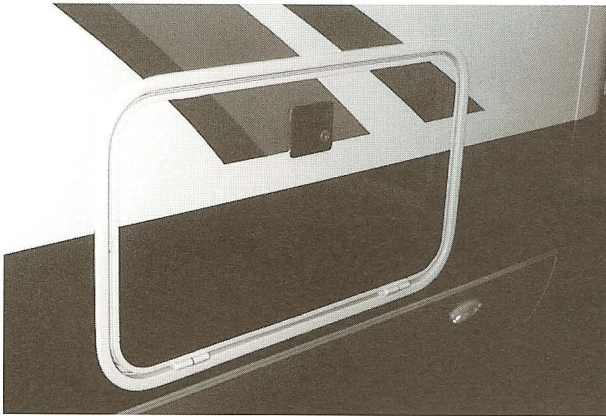
## Garage flap

### Opening

- Release the lock with the key.
- Push the flap inwards firmly with your hand in the region of the lock.
- Open the flap.

### Closing

- Close the flap.
- Lock with the key.



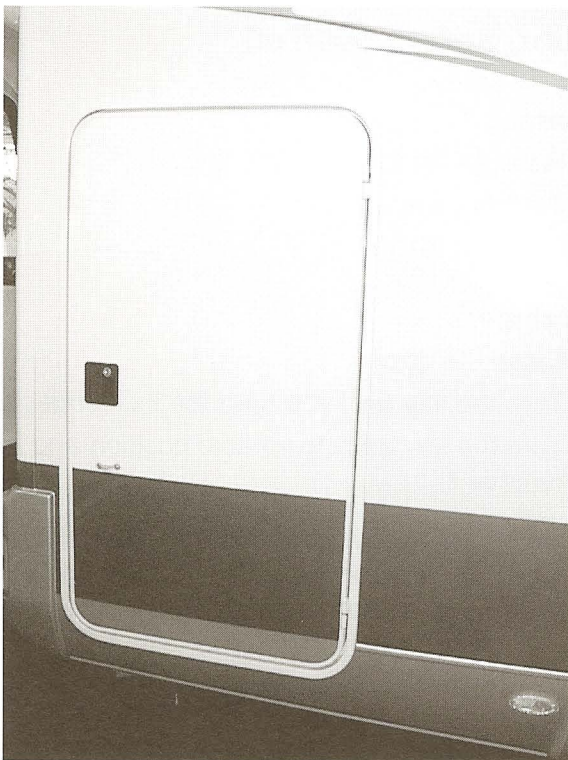
## Boot flap

### Opening

- Release the lock with the key.
- Push the flap inwards firmly with your hand in the region of the lock.
- Open the flap upwards or downwards.

### Closing

- Close the flap by pulling it upwards or pushing it downwards.
- Lock with the key.



## Garage flap

### Opening

- Release the lock with the key.
- Push the flap inwards firmly with your hand in the region of the lock.
- Open the flap.

### Closing

- Close the flap.
- Lock with the key.

## Gas compartment flap

### Opening

- Release the lock with the key.
- Press both buttons and open the flap.

### Closing

- Press the door closed until it engages.
- Lock with the key.

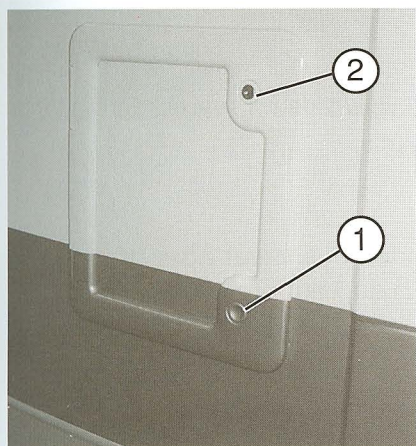
## Toilet flap

### Opening

- Unlock with key (1).
- Press both buttons (1 and 2) and open the flap.

### Closing

- Press the door closed until it engages.
- Lock with key (1).



## External gas hook-up

This motorhome is fitted with an external gas hook-up (3) via which gas devices such as a gas barbecue or a gas lamp can be used outside the motorhome.

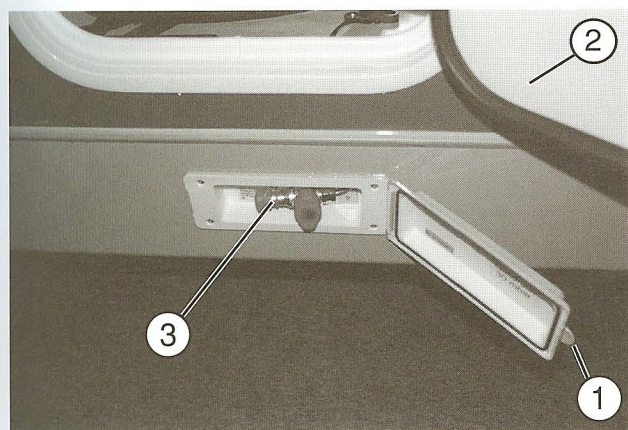
The external gas hook-up is to be found under the gas compartment flap (2).

### Opening

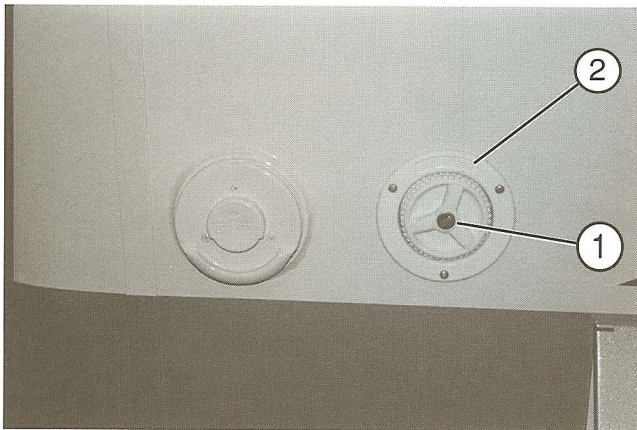
- Grip the flap by the tab (1) and open it outwards.

### Closing

- Grip the flap by the tab (1) and close it until you hear it engage.



## Water-filling nozzle



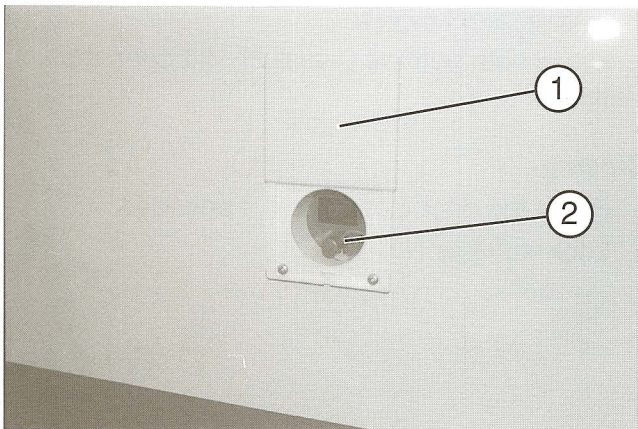
### Opening

- Unlock with key (1).
- Untwist the lid (2) firmly and remove it.

### Closing

- Replace lid (2) and screw tight.
- Lock with key (1).

## Water connection outside shower



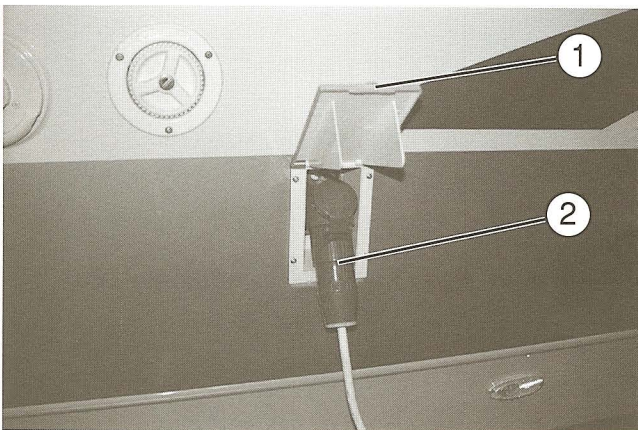
### Opening

- Slide cover (1) upwards for access to the water connection.

### Closing

- Remove the external shower hose from the filling nozzle (2) and put protective cap in place.
- Slide cover (1) downwards.

## External socket



### Opening

- Grip the bottom of the cover (1) and pull it up and out.

### Closing

- Remove CEE plug (2).
- Press cover (1) down until it engages.



## 4.4 Wing mirrors

For information on adjusting the wing mirrors on your motorhome, please see the instructions for the original vehicle.

## 4.5 Roof rack



### When climbing to the roof rack

- Ascend the ladder carefully.
- Hold on with both hands as you ascend the ladder.
- Do not walk around on the roof.

### To load the roof rack on Alkoven models

- Only stow lightweight luggage on the roof rack.
- Lash down luggage on the roof securely to prevent it slipping or falling.
- Do not overload the roof! The more luggage there is on the roof, the more difficult the vehicle is to drive.



The maximum total load is 50 kg.

- When loading, remember to observe the maximum permissible axle loads.
- Add the dimensions of the roof load to the height of the vehicle.
- Put up a note with the total height in a prominent position in the driver's cab to save you having to calculate the height every time you drive under a low bridge or through a narrow passage.



On Hobby 600 and 700, loads can only be transported on the roof if an additional suitable roof rack is mounted.







## 5 Electrical devices

### 5.1 Safety instructions

Electrical installations in motorhomes must comply with DIN (German industrial standard) 57100 Part 721 / VDE 0100 Part 721. Electrical installations in models HOBBY 600 and 700 are in accordance with the above-mentioned regulations and standards.

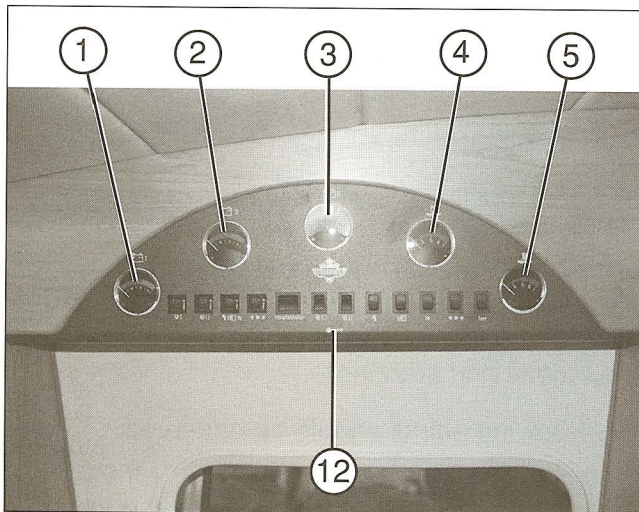
The following points should be observed:

- Never remove labels bearing safety instructions or danger signs from electrical equipment.
- Never use the installation areas for the auxiliary battery, on-board control panel, FI personal safety switch, charger and 230 V connection box as additional storage space.
- Smoking and open flames are prohibited when checking the battery water level or inspecting other electrical equipment.
- In the event of faults in the electrical system, repairs must be effected by an authorised electrical workshop.
- Incorrect handling of the electrical system could endanger your personal safety and that of others.
- For hook-up to an external 230 V supply, use only weatherproof, three-wire extension lead and shock-proof plug or CEE plug and connector.

### 5.2 HOBBY on-board control panel

Power is supplied via the HOBBY on-board control panel in connection with an automatic battery charger.

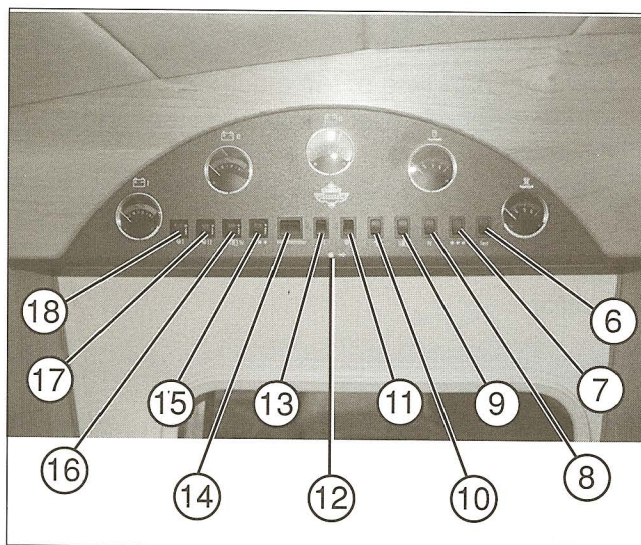
## Functions



### Display elements

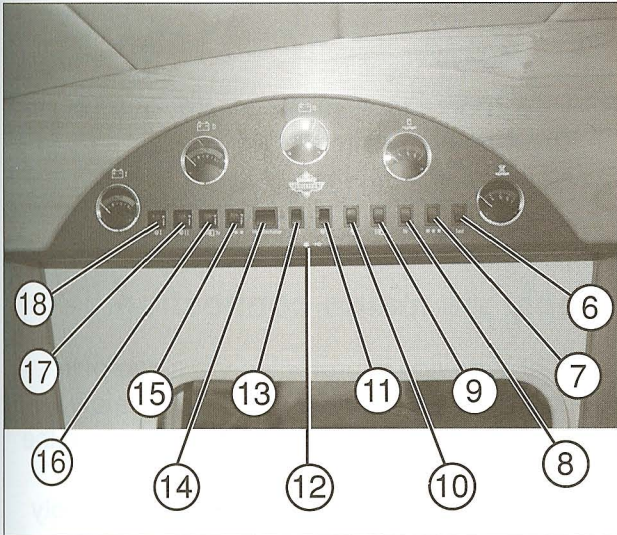
The displays can be activated independent of the position of the 12 V-main switch.

- Voltage display (1) showing starter battery voltage.
- Voltage display (2) showing auxiliary battery voltage.
- Ammeter (3) 20 A-0-20 A for the power supply. When the main switch is switched on or if hooked up to the mains, display lights up continuously.
  - Pointer in right section: Auxiliary battery being charged by charger.
  - Pointer in left section: Auxiliary battery is being tapped by electrical devices.
  - The current is displayed in amps.
- Display (4) showing level of water in fresh water tank.
- Display (5) showing level of water in waste water tank.
- Luminous diode (12) showing battery level of vehicle battery.



### Operating elements

- Flip switch (6) for switching on filling level display for water tank. If this switch is flipped, all display elements light up. The voltage gauges and water level gauges are activated for a period of two minutes. This function is available independent of the position of the 12 V main switch.
- Flip switch (7) for the refrigerator.
- Flip switch (8) for the TV set.
- Flip switch (9) for the heating system.
- Flip switch (10) for the water pump.
- Flip switch (11) for lighting circuit 2.
- Flip switch (13) for lighting circuit 1.
- Flip switch (14) for the 12 V-power supply.



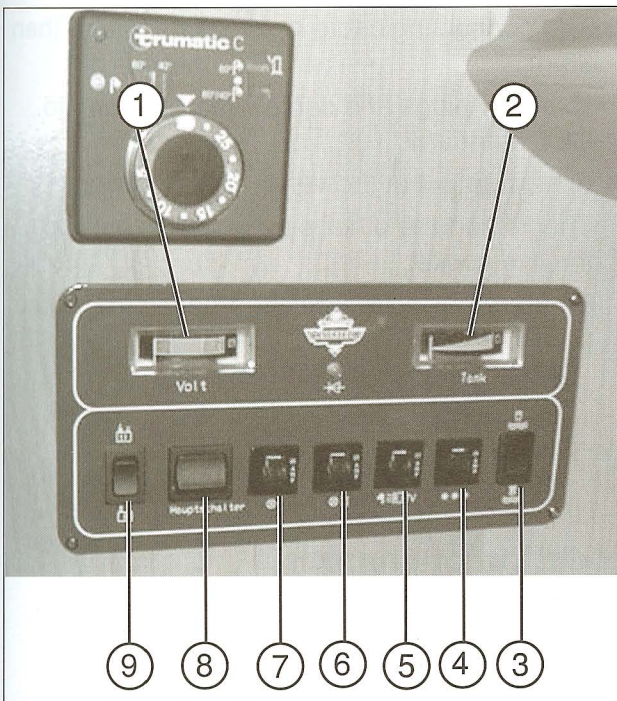
### Battery gauge display

- Luminous diode (12) showing the energy status of the vehicle battery. The luminous diode can be of the following colours:
  - LED red: the auxiliary battery charge has not yet reached 14.2 V.
  - LED yellow: the auxiliary battery charge has reached 14.2 V.
  - LED green: the maintainable charging status has been reached.
  - LED flashing red: the battery is flat or not hooked up.

### Circuit-breakers

- Circuit-breaker (15) for the refrigerator.
- Circuit-breaker (16) for the heating system, the fresh water pump and the TV set.
- Circuit-breaker (17) for lighting circuit 2.
- Circuit-breaker (18) for lighting circuit 1.

### Display elements on Alkoven models



- Voltage display (1) batteries 1 and 2.
- Tank gauge (2).
- Main switch (3).
- Changeover switch voltmeter (4) batteries 1 and 2.
- Fuse switch (5), lighting circuit 1.
- Fuse switch (6), lighting circuit 2.
- Fuse switch (7), TV and water pump.
- Fuse switch (8), refrigerator.
- Therme heating switch.

## 5.3 Power supply

The motorhome receives its electricity supply via the following connections:

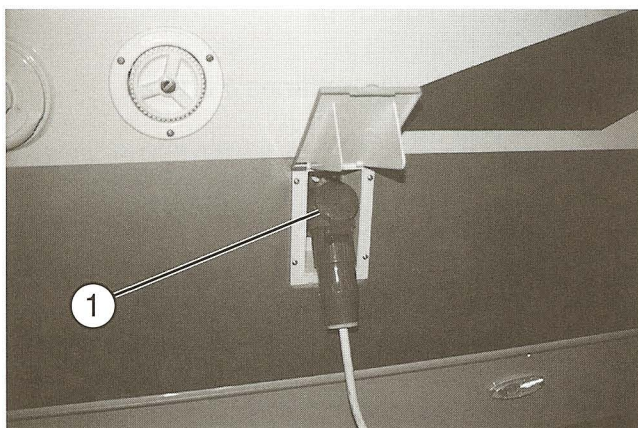
- Mains connection (230 V AC)
- Auxiliary battery (12 V DC)

### Supply via mains connection

The 230 V device is protected via a two-pole 16 A circuit-breaker with F1 personal safety switch. The circuit-breaker is located behind the driver's seat.

In the event of malfunction, the personal safety fuse interrupts the complete 230 V circuit. In most cases, a defective electrical appliance or a defect in its feed line is the cause.

- Remedy the fault before switching the fuse back on.
- If the fault cannot be remedied, consult a qualified electrician.



**The following points apply to the mains connection:**

- The connecting cable must not be longer than 25 m.
- Use only plugs and cable which conform to CEE standards.
- First, connect at the vehicle input socket (1).
- Then insert the other plug on the cable into the live socket.
- When removing the plugs, proceed in reverse order.

## 5.4 Function of the power supply unit

### Location of charger

The charging device is fitted in a compartment under one of the seats (depending on layout).

### Operation with 230V mains supply

When the main switch on the HOBBY on-board control panel is switched on, the auxiliary battery is charged by the charger in the motorhome.

## Charging

The charging process depends on the battery voltage of the auxiliary battery:

- Charging until the battery voltage has reached 14.4 V.
- Switching off the charging process until the battery voltage has dropped to 13.8 V.
- Recharging when the battery voltage drops beneath 13.8 V.
- Parallel switching and charging of the engine cavity battery and the auxiliary battery when the battery voltage drops below 13.5 V.
- Separation of the engine cavity battery and the auxiliary battery when their joint voltage drops beneath 12.5 V.



The battery voltages for the engine battery and the auxiliary battery can be read off continually on the on-board control panel above the door.



The charger only works if the batteries are connected at the right poles.



It takes approx. 12 hours to completely recharge a flat auxiliary battery from the mains supply. If there are 12 V devices attached and switched on at the same time, this will take correspondingly longer.

## Discharge protection

If the battery voltage of the auxiliary battery falls below 10.5 V, all the 12 V devices feeding on it are switched off by a relay.



If the discharge protection is triggered, switch off the 12 V main switch to prevent additional discharging of the auxiliary battery.

## Function of the charger

### Equipment protection

In the event of the charger overheating due to excessive surrounding temperatures or high charging current, a built-in thermostat switches the charger off until the temperature in the charger has dropped again.

### Checklist for inspection

- Switch off engine.
- Turn off mains switch at charger.
- Hook up to mains.
- Turn on 12 V main switch.
- Switch off all 12 V feeding devices (including refrigerator).
- Turn on mains switch on charger.

The voltage of the auxiliary battery must rise to a maximum charge of approx. 14.4 V.

If this condition of charging is not met by the built-in charger, the following points must be checked:

- Is the charger correctly hooked up to the mains?
- Is the charger mains fuse in order?
- Is the auxiliary battery hooked up to the charger?
- Is the fuse in the feed line to the auxiliary battery in order?
- Is the battery voltage at the charger over 1 volt?
- Is the auxiliary battery connected to the right poles?
- Is the connection between the charger and the on-board control panel in order?

### Operation with the engine running

As soon as the engine is running, a relay switches the starter battery and the auxiliary battery parallel. Signal D+ is at the dynamo, and thus the dynamo charges both batteries. As soon as signal D+ is no longer given, the two batteries are separated, making it impossible for the starter battery to be discharged by the living area.

The 12 V supply to the refrigerator is only possible when the motorhome is travelling. When the engine stops, the 12 V refrigerator operation is automatically switched off again.



The most effective way to recharge a flat auxiliary battery while the engine is running is not to run the refrigerator on the 12 V supply for a while and to switch off as many of the other 12 V devices as possible.



### Checklist for inspection

- Switch off engine.
- Turn on 12 V main switch.
- Switch off all 12 V feeding devices (including refrigerator).
- Start the engine.

The auxiliary battery voltage should rise when

- the engine speed is above idling speed.
- the vehicle battery is not totally flat.

If this condition for charging via the dynamo is not met, the following points must be checked:

- Is the fuse in the feed line to the vehicle battery near the vehicle battery in order?
- Is the fuse in the feed line to the auxiliary battery near the auxiliary battery in order?
- Is the auxiliary battery connected to the right poles at the charger?
- Is the vehicle battery connected to the right poles at the charger?
- Is the fuse in the feed line to signal „D+“ near the vehicle battery in order?
- Is signal „D+“ given at the charger (there must be a voltage of approx. 12 V with the engine running here)?
- Is the connection between the charger and the on-board control panel in order?

### Operation via the 12 V auxiliary battery

When the motor caravan is at a standstill, not hooked up to the 230 V mains supply and the engine is switched off, all feeding devices are automatically fed by the auxiliary battery. For this to be done, the 12 V main switch must be turned on.



The auxiliary battery should only be discharged as far as voltage of 11 V. Then, if not before the charge reaches this level, charging should be effected either via the dynamo or via the mains supply.



## 5.5 Auxiliary battery

### Location

- The auxiliary battery is located beneath the driver's seat.

### Characteristics

- The battery is maintenance-free. Refilling with water is not necessary.
- The battery is sealed and cannot leak.
- The battery is cycle-proof and thus ideally suited for providing the on-board supply. Charging/discharging can take place several times.



Only replace the battery with a battery of the same kind ( same capacity and voltage, cycle-proof, maintenance-free, leakproof).

### Replacing the battery

- Disconnect from the 230 V mains supply.
- First, disconnect the negative (-) terminal.
- Then disconnect the positive (+) terminal.
- Remove the battery.
- Insert the new battery.
- Connect the new battery in reverse order.



The electrolyte solution in the battery is toxic and corrosive! Always protect eyes and face when handling the battery.



If electrolyte solution comes into contact with the skin, rinse off immediately with clear water.



Keep open flames or devices which produce sparks away from the battery. Danger of explosion!



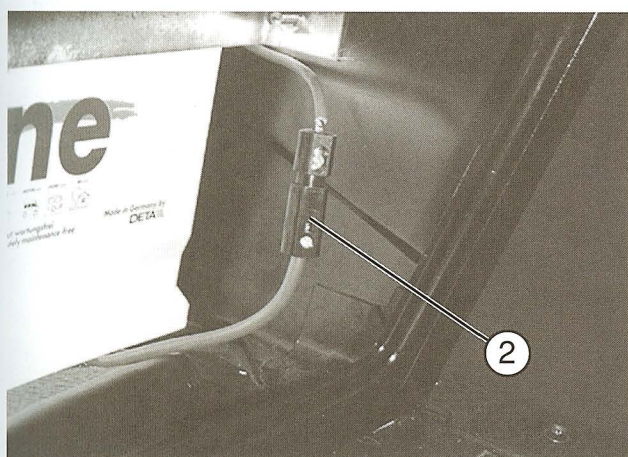
## 5.6 Fuse protection of the electrical system

### Starter battery



The main protection is provided by a 40 A melt fuse (1). The fuse is located under the bonnet next to the starter battery.

### Auxiliary battery



The main protection is provided by a 30 A cut-out (2).

The fuse is located on the battery itself.

### 12 V circuits

Protection is provided by the circuit-breaker on the HOBBY on-board control panel.

#### Fuse data

- 15 A: refrigerator.
- 10 A: lighting.
- 10 A: pump, boiler, heating system, TV.

#### If a device blacks out

- Check the circuit-breaker for the corresponding circuit.
- Press the operating button.
- If the circuit-breaker is triggered again, please contact your authorised Hobby dealer.

## 5.7 Replacing the halogen lamps



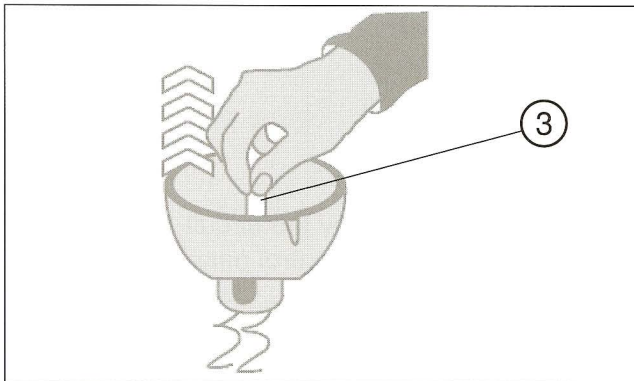
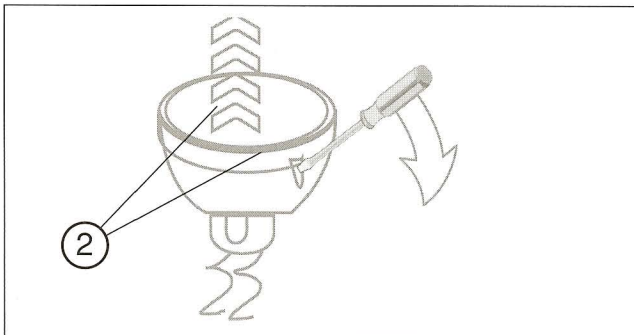
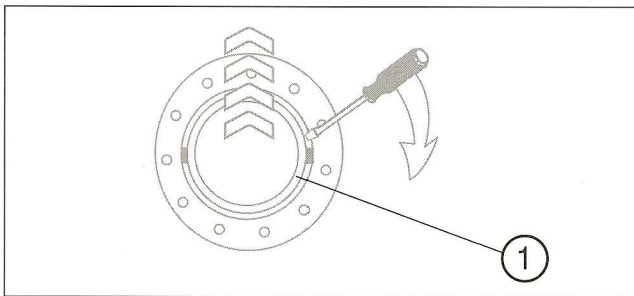
Never touch the glass bulb of a halogen lamp with your fingers. This would reduce its luminous power and durability. Hold the bulb with clean paper or only grip it by the metal socket.

### Halogen spotlights

Halogen bulb 12 V / 10 W

#### Replacing the bulb

- Using a screwdriver, unscrew the inner cover ring (1) from the housing.
- Using a screwdriver, unscrew the cover ring with the glass pane (2) from the lower part of the halogen spotlight.
- Remove the halogen bulb (3).
- Fit new halogen bulb.
- Reassemble the halogen spotlight in reverse order.





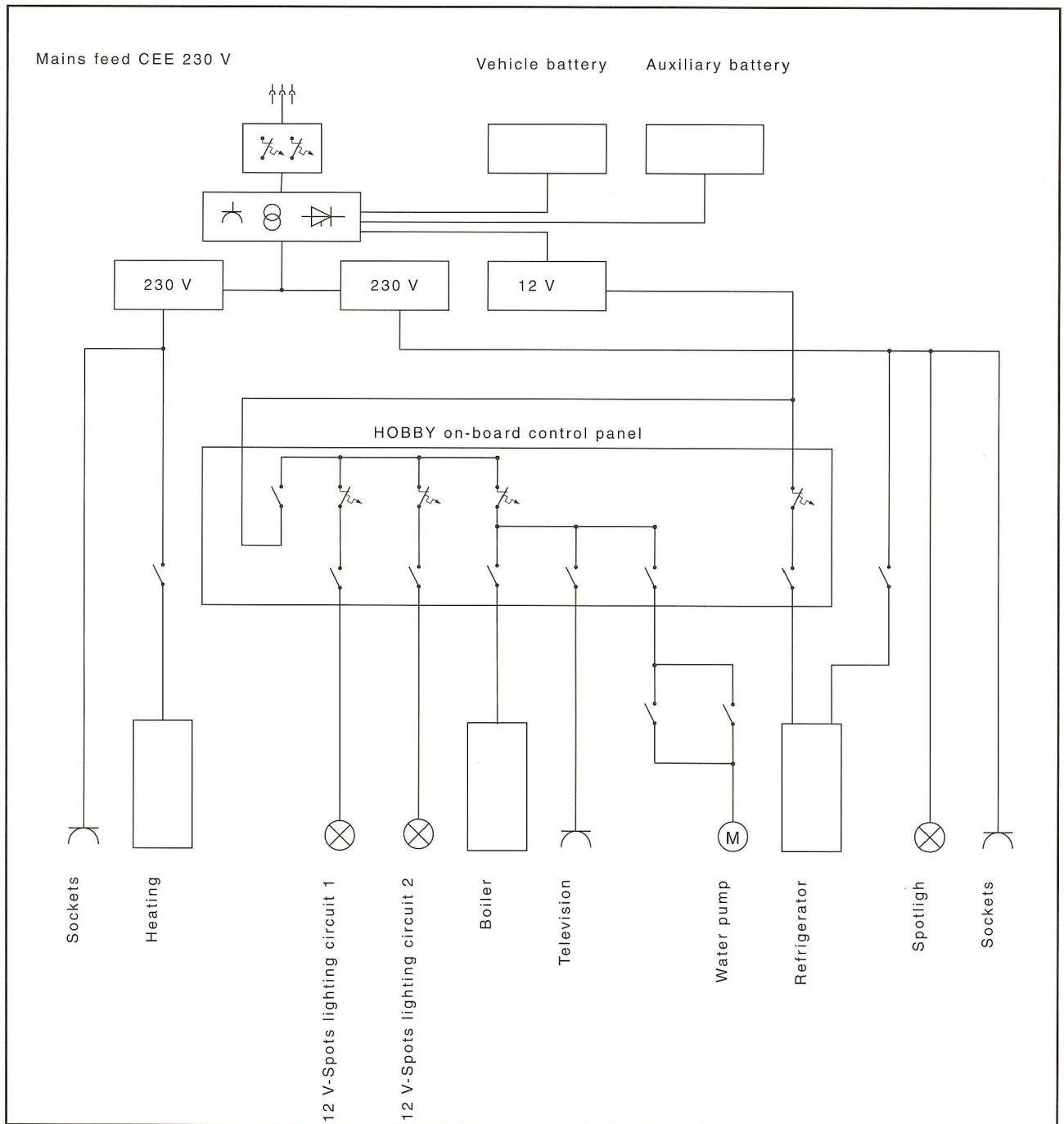
---

Halogen bulb 12 V / 10 W

**Replacing the bulb**

- Turn the external ring to the left until it twists free of the housing.
- Remove the bulb holder from the socket.
- Remove the halogen bulb.
- Fit new halogen bulb.
- Reassemble the halogen spotlight in the reverse order.

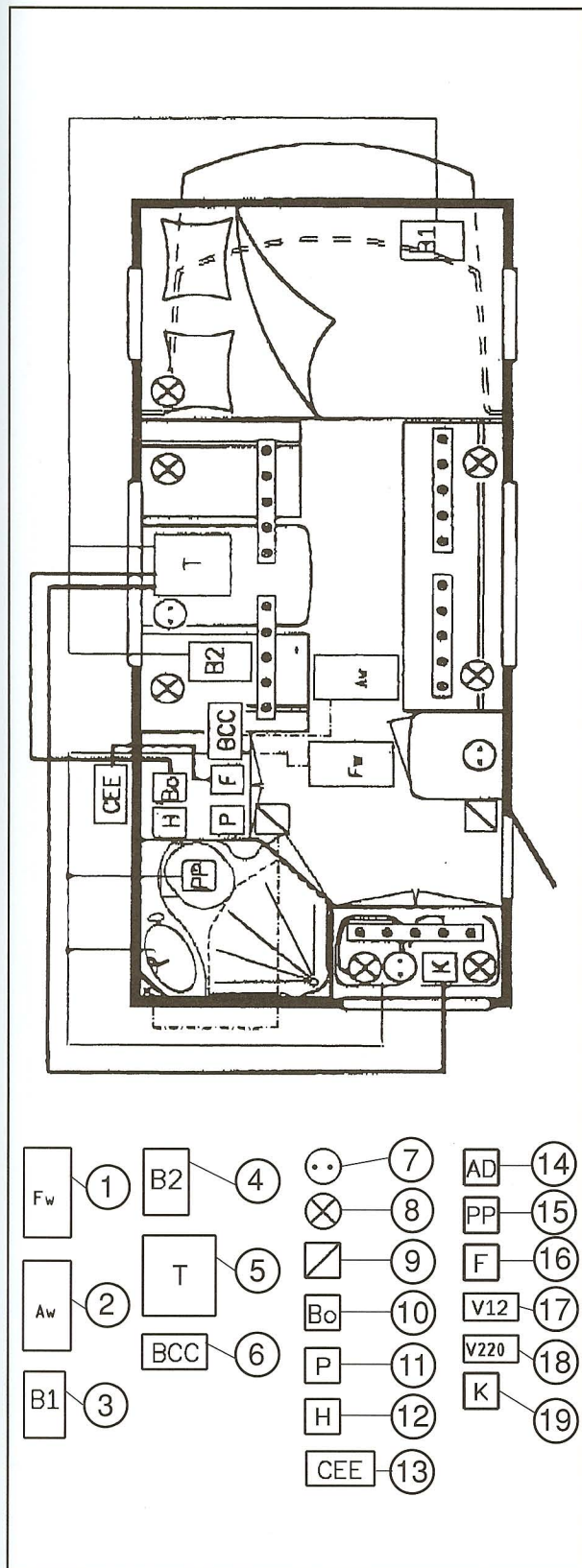
## 5.8 Interior circuit diagram



## 5.9 Overview of wiring plans

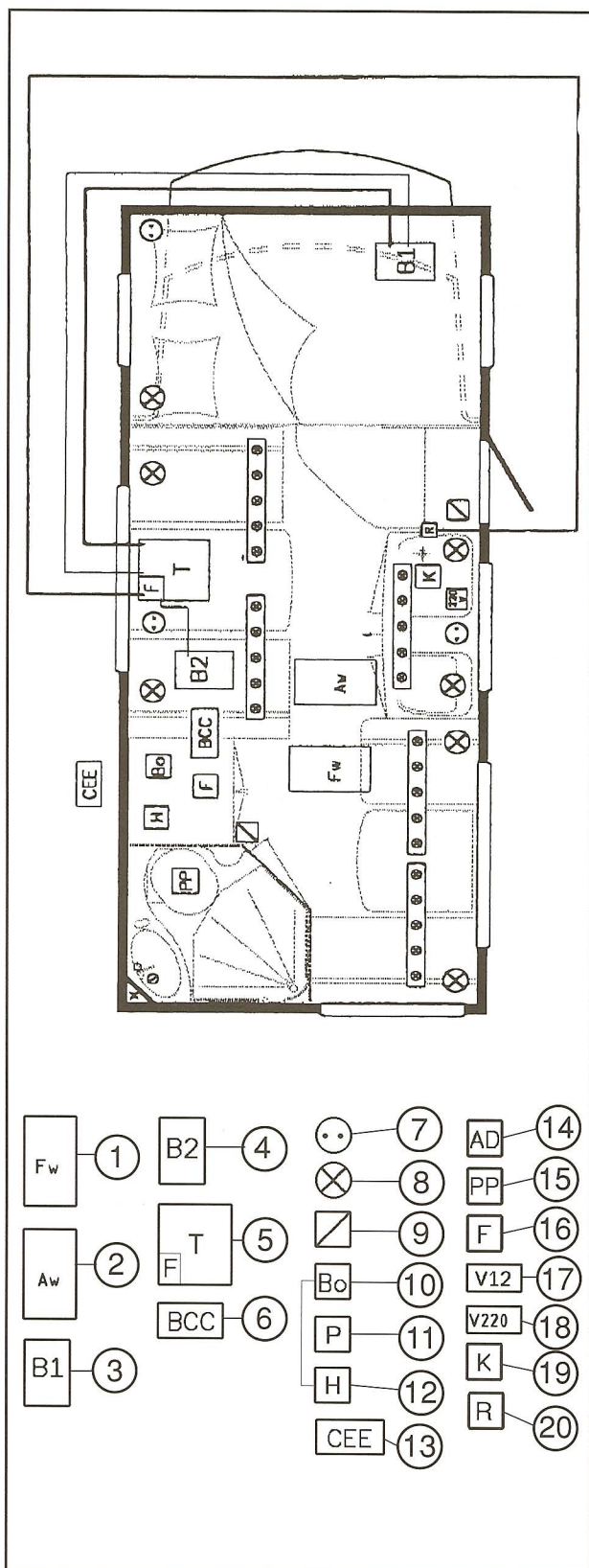
### Model 595 CM

- Fresh water tank (1)
- Waste water tank (2)
- Battery 1 (engine) (3)
- Battery 2 (auxiliary) (4)
- Charger (5)
- On-board control centre (6)
- Sockets (7)
- Lamps (8)
- Switches (9)
- Boiler (10)
- Pump (11)
- Heating (12)
- CEE connection (13)
- Outside shower (14)
- Toilet (15)
- Circuit-breakers (16)
- 12 V distributor box (17)
- 220 V distributor box (18)
- Refrigerator (19)



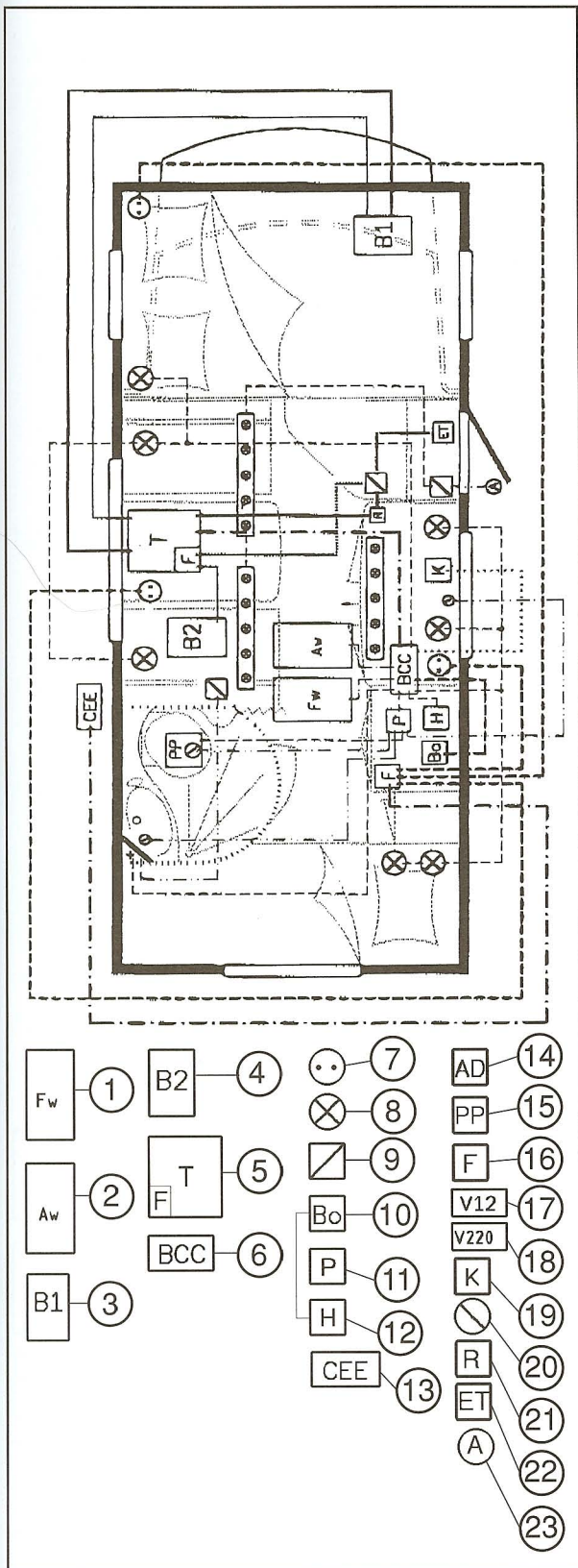
## Model 595 SM

- Fresh water tank (1)
- Waste water tank (2)
- Battery 1 (engine) (3)
- Battery 2 (auxiliary) (4)
- Charger / fuse 12 V (5)
- On-board control centre (6)
- Sockets (7)
- Lamps (8)
- Switches (9)
- Boiler (10) unit
- Pump (11) unit
- Heating (12) unit
- CEE connection (13)
- Outside shower (14)
- Toilet (15)
- Circuit-breakers (16)
- 12 V distributor box (17)
- 220 V distributor box (18)
- Refrigerator (19)
- Relay (20)



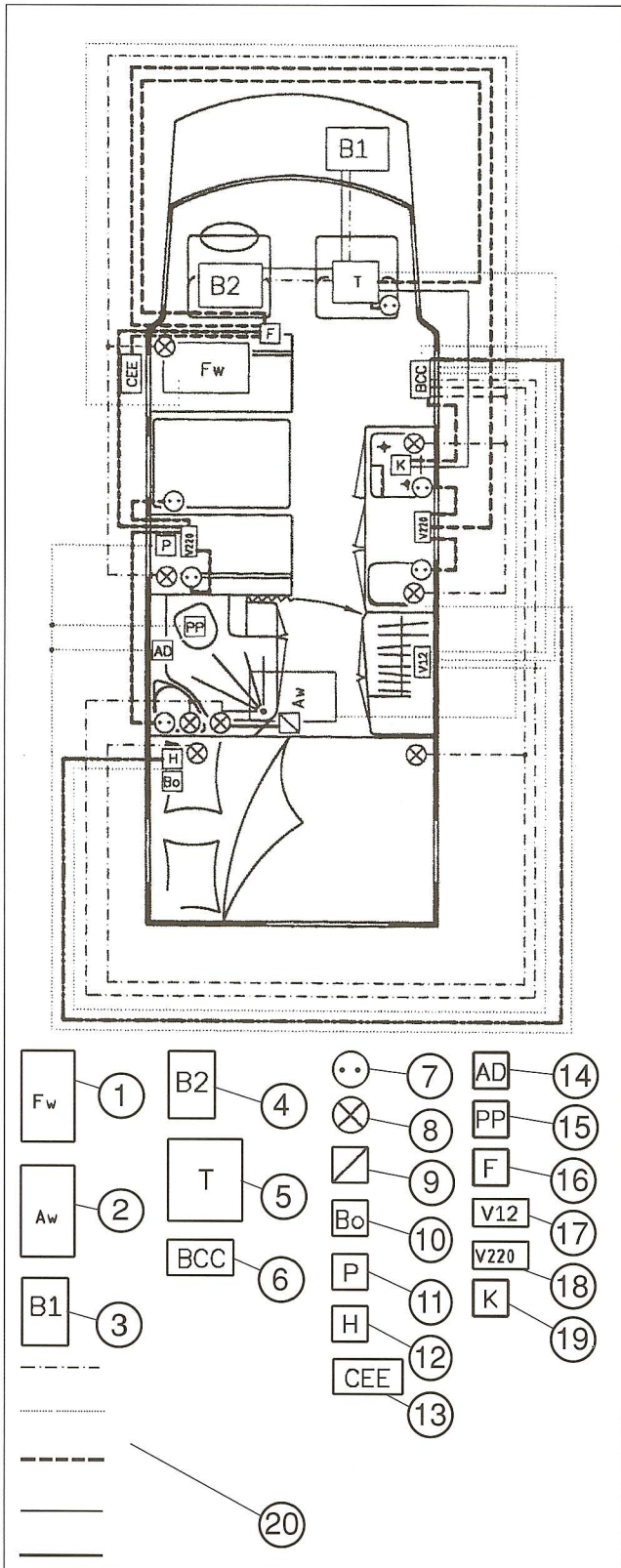
## Model 595 KM

- Fresh water tank (1)
- Waste water tank (2)
- Battery 1 (engine) (3)
- Battery 2 (auxiliary) (4)
- Charger / fuse 12 V (5)
- On-board control centre (6)
- Sockets (7)
- Lamps (8)
- Switches (9)
- Boiler (10)
- Pump (11)
- Heating (12)
- CEE connection (13)
- Outside shower (14)
- Toilet (15)
- Circuit-breakers (16)
- 12 V distributor box (17)
- 220 V distributor box (18)
- Refrigerator (19)
- Switch for water pump (20)
- Relay (21)
- Electric stair (22)
- Outside lighting (23)



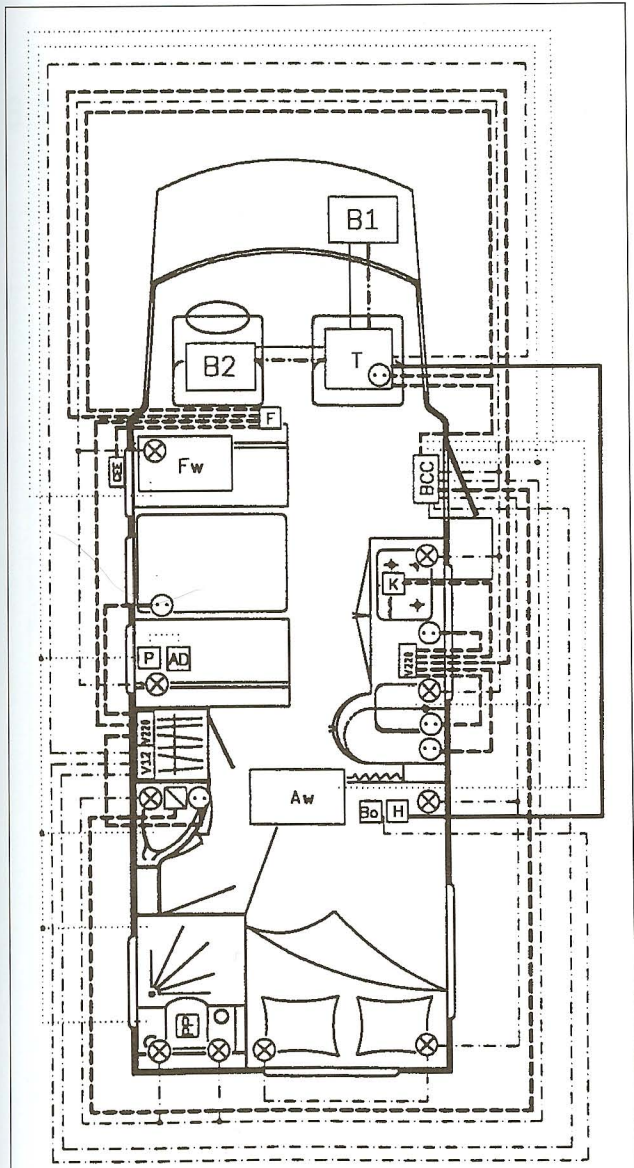


## Model 600 L / 650 FS

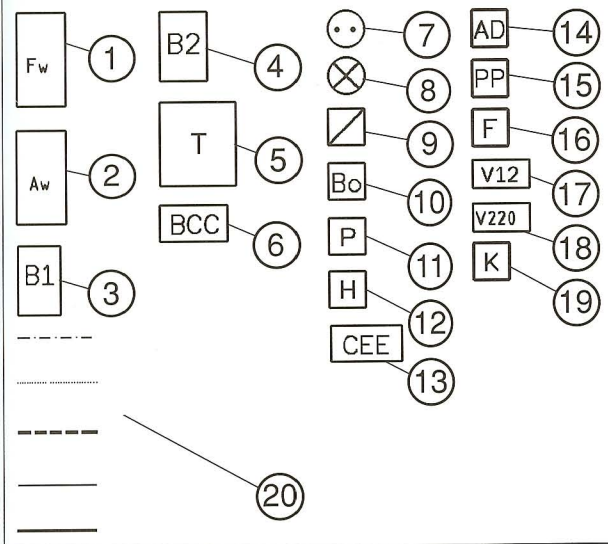


- Fresh water tank (1)
- Waste water tank (2)
- Battery 1 (engine) (3)
- Battery 2 (auxiliary) (4)
- Charger (5)
- On-board control panel (6)
- Sockets (7)
- Lamps (8)
- Switches (9)
- Boiler (10)
- Pump (11)
- Heating (12)
- CEE connection (13)
- Outside shower (14)
- Toilet (15)
- Circuit-breakers (16)
- 12 V distributor box (17)
- 220 V distributor box (18)
- Refrigerator (19)
- Wire cross-section (20) from top to bottom:
  - 2 x 1.5 mm<sup>2</sup>
  - 2 x 0.75 mm<sup>2</sup>
  - 3 x 1.5 mm<sup>2</sup>
  - 2 x 6 mm<sup>2</sup>
  - 1 x 1.5 mm<sup>2</sup> (D+)

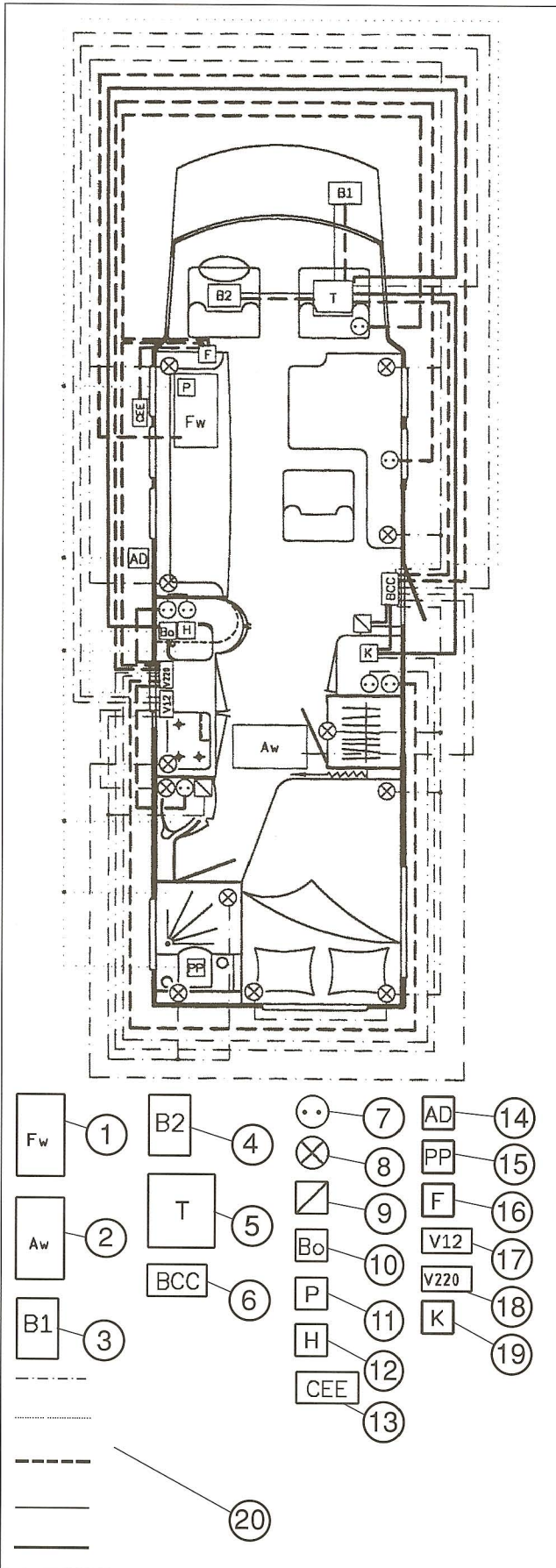
## Model 600 L / 650 SFe



- Fresh water tank (1)
- Waste water tank (2)
- Battery 1 (engine) (3)
- Battery 2 (auxiliary) (4)
- Charger (5)
- On-board control panel (6)
- Sockets (7)
- Lamps (8)
- Switches (9)
- Boiler (10)
- Pump (11)
- Heating (12)
- CEE connection (13)
- Outside shower (14)
- Toilet (15)
- Circuit-breakers (16)
- 12 V distributor box (17)
- 220 V distributor box (18)
- Refrigerator (19)
- Wire cross-section (20) from top to bottom:
  - 2 x 1.5 mm<sup>2</sup>
  - 2 x 0.75 mm<sup>2</sup>
  - 3 x 1.5 mm<sup>2</sup>
  - 2 x 6 mm<sup>2</sup>
  - 1 x 1.5 mm<sup>2</sup> (D+)



## Model 700 / 750

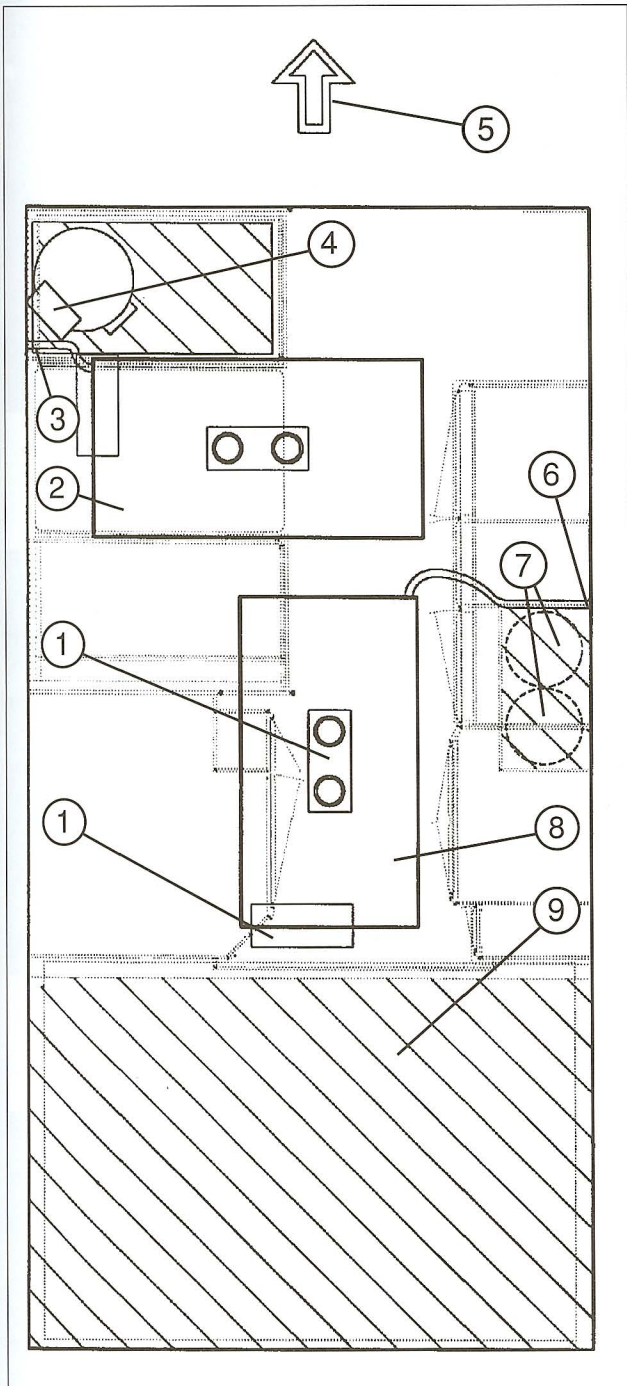


- Fresh water tank (1)
- Waste water tank (2)
- Battery 1 (engine) (3)
- Battery 2 (auxiliary) (4)
- Charger (5)
- On-board control panel (6)
- Sockets (7)
- Lamps (8)
- Switches (9)
- Boiler (10)
- Pump (11)
- Heating (12)
- CEE connection (13)
- Outside shower (14)
- Toilet (15)
- Circuit-breakers (16)
- 12 V distributor box (17)
- 220 V distributor box (18)
- Refrigerator (19)
- Wire cross-section (20) from top to bottom:
  - 2 x 1.5 mm<sup>2</sup>
  - 2 x 0.75 mm<sup>2</sup>
  - 3 x 1.5 mm<sup>2</sup>
  - 2 x 6 mm<sup>2</sup>
  - 1 x 1.5 mm<sup>2</sup> (D+)

## 6 Interior design

### 6.1 Overview of floor cavity

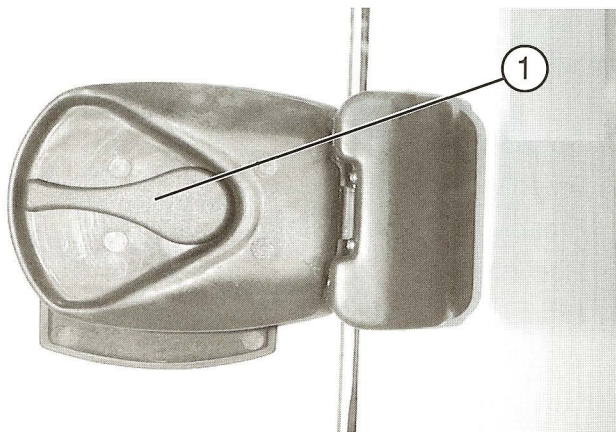
#### Model 600 / 650 FS Line D



- Servicing flap (1)
- Fresh water tank (2)
- Fresh water inlet (3)
- Heating (4)
- Direction of travel (5)
- Waste water outlet (6)
- Gas bottles (7)
- Waste water tank (8)
- Deep storage cavity (9)

## 6.2 Opening and closing doors and flaps

### Entrance door Alkoven series



#### Opening

- Turn lock (1) downwards.



Now the door, which as been locked from the outside, can be opened from inside.

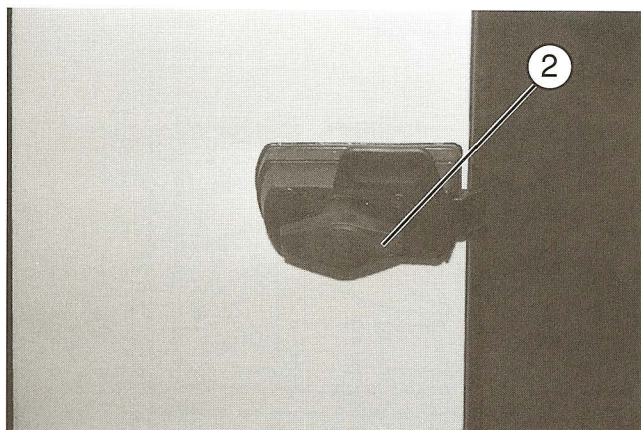
#### Closing

- Pull the door up until the lock engages.

#### Locking

- Turn the lock upwards.

### Door, Series 600/700



#### Opening

- Turn the lock (2) towards the door hinge.



Now the door, which as been locked from the outside, can be opened from inside.

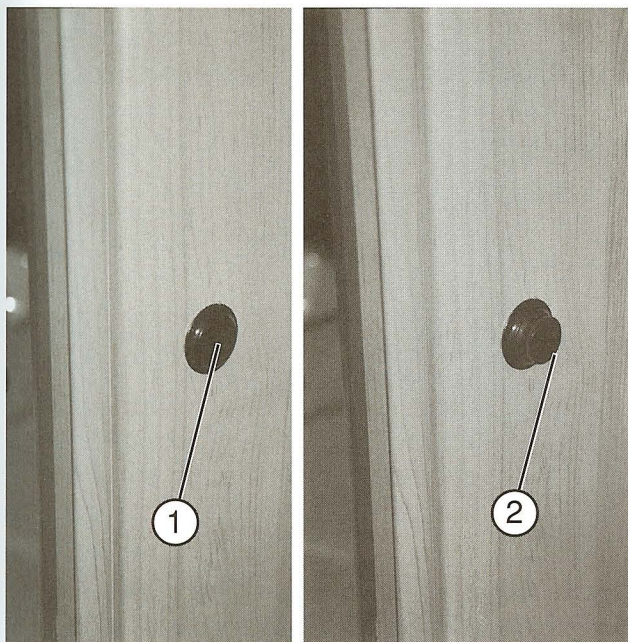
#### Closing

- Turn the lock (1) away from the door hinge.



This door is your escape route in an emergency, so never obstruct it from the outside!

## Furniture doors with inside pushbutton



### Opening

- Press the inner part (1) of the pushbutton.
- Grip the pushbutton and open the furniture door.

### Closing

- Press the door shut until it engages. Once it has engaged, the door is firmly closed.



Close all doors before driving off!  
This will prevent any doors flying open and objects falling out of cupboards while you are travelling.

## Furniture doors with knobs



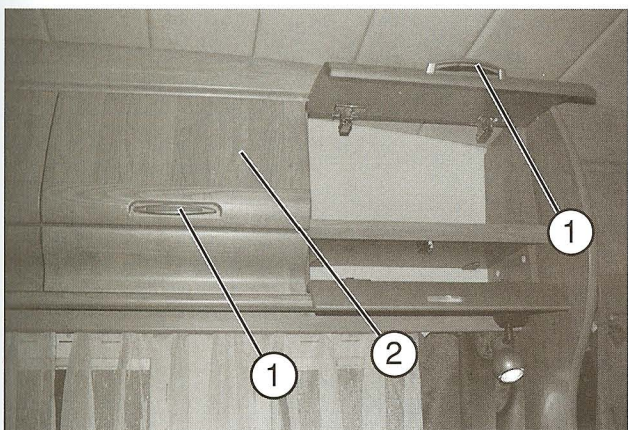
### Opening

- Turn knob (1) towards the door hinge.

### Closing

- Leave the knob in opened position and close the door.
- Turn the knob away from the door hinge.

## Furniture doors with handles



### Opening

- Pull the handle (1) until the flap (2) is open.

### Closing

- Press the flap (2) shut with the handle (1) until you can feel the lock engage.



Close all doors before driving off!  
This will prevent any doors flying open and objects falling out of cupboards while you are travelling.

## Furniture flaps without handle

### Opening

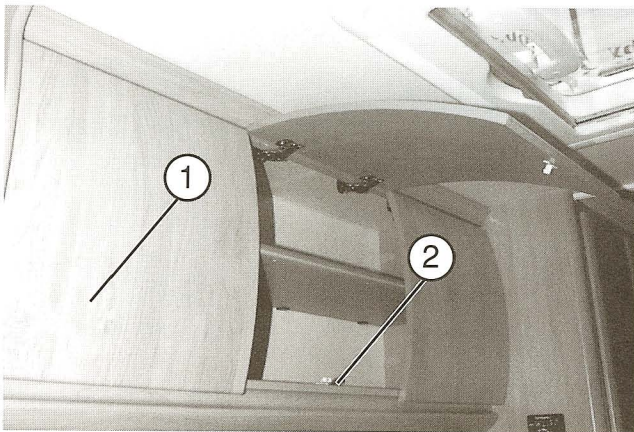
- Lift flap (1) from below.

### Closing

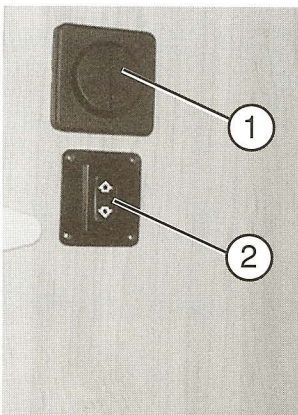
- Press flap (1) shut until you can feel the lock (2) engage.



Close all doors before driving off!  
This will prevent any doors flying open and objects falling out of cupboards while you are travelling.



## 6.3 Light switches



### Entrance area

The light switches (1) for the following lights are located in the entrance area:

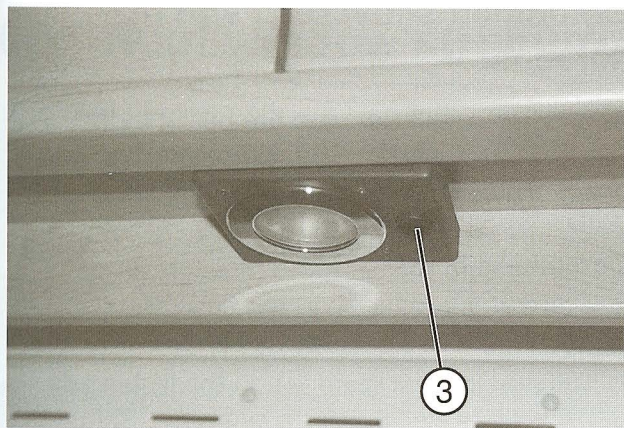
- Seating area lighting
- Awning light

And the switch (2) for the travel-out doorstep (only on Alkoven model).

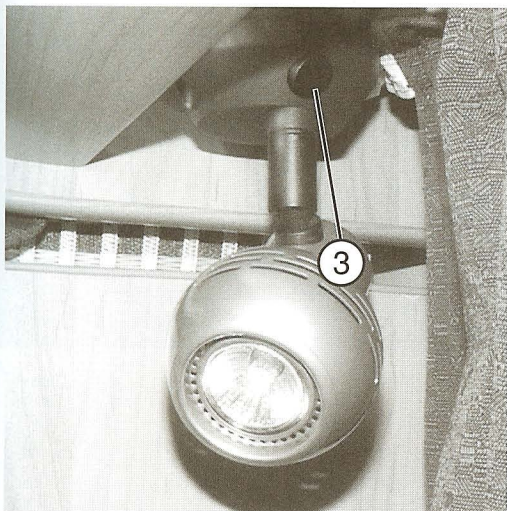


## Interior

The light switch for the washroom is located next to the washroom door (exact position varies according to layout).



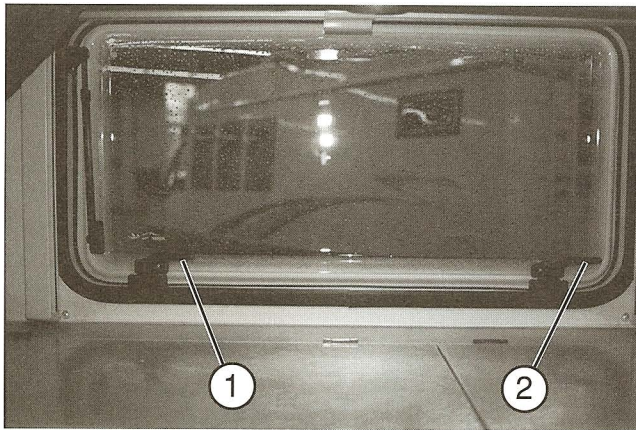
All other light switches (3) are located right next to the corresponding lights.





## 6.4 Windows

### Hinged windows with set positions



#### Opening

Several positions can be selected.

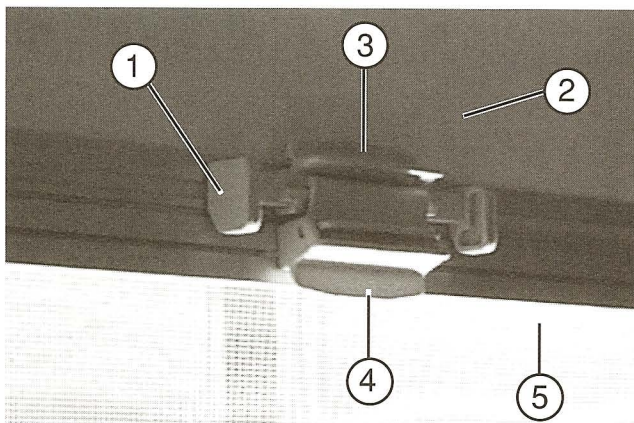
- Pressing the button, turn locks (1) and (2) to vertical position.
- Push the window outwards until you hear a click. The window will then automatically stay in this position.

#### Closing windows

- Lift the window slightly to disengage the position lock.
- Shut the window.
- Turn locks (1) and (2) to horizontal position.

### Combined sunscreen and fly-screens

Sunscreen and flyscreens are built into the window frame and can be combined. The combined blind can be fixed in various positions.



#### Combining blinds

- Pull the link plate (4) of the flyscreen (5) upwards.
- Engage the link plate (4) on the locking device on the one-hand operating device (3) for the sunscreen (2).

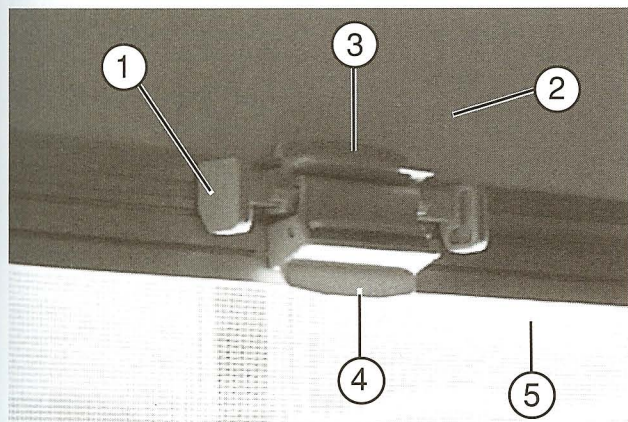
#### Adjusting the sunscreen

- Press together the chucks (1) of the sunscreen (2) one-hand operating device (3) and hold them there.
- Using the one-hand operating system (3), move the sunscreens (2) upwards or downward and lock in the desired position.



### Opening the flyscreen

- Disengage the link plate (4) of the flyscreen (5) from the lock and separate it from the one-hand operating device (3).
- Pull the flyscreen (5) downwards by the link plate (4) and do not allow it to retract.



## 6.5 Roof window structure

### Roof window with combined blind

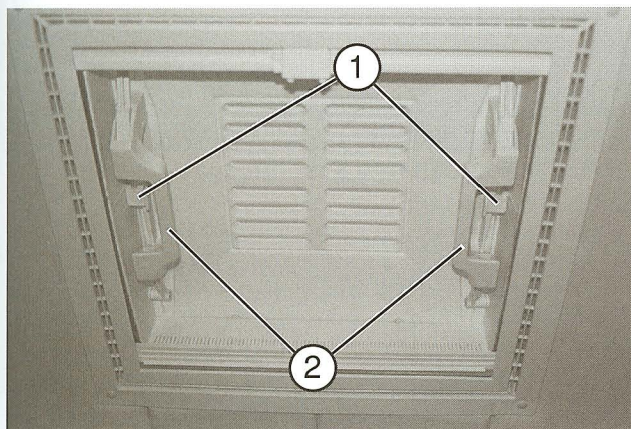
The roof window can be lifted and propped open on one or both sides. It has an additional integrated sunscreen and flyscreen.

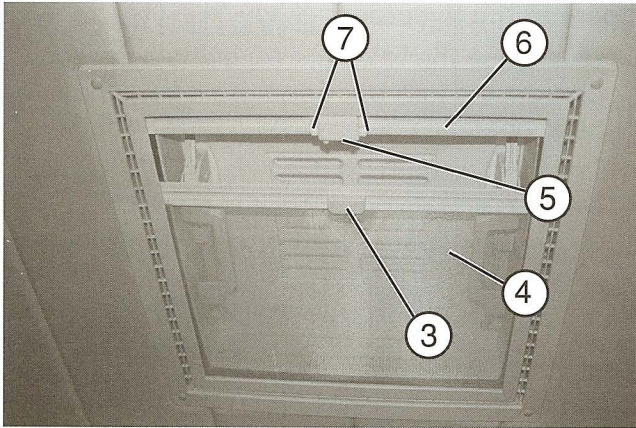
#### Opening

- Press the lock (1) on one side away from the frame, at the same time opening the roof window by pressing the struts (2) upwards.
- Proceed in the same way on the other side.

#### Closing

- Pull the roof window downwards by the handles until the lock engages.





### Combining blinds

- Pull the link plate (3) of the flyscreen (4) over to the one-hand operating device (5) for the sunscreen blind on the opposite side.
- Engage the link plate (3) in the locking device of the one-hand operating device (5) for the sunscreen (6).

### Adjusting the sunscreen

- Press together the chucks (7) of the one-hand operating device (5) for the sunscreen (6) and hold them there.
- Using the one-hand operating device (5), move the sunscreen (6) forwards or backwards to the desired position.

### Opening the flyscreen

- Disengage the link plate (3) of the flyscreen (4) from the locking device and separate it from the one-hand operating device (5).
- Return the flyscreen (4) to position with the link plate (3).



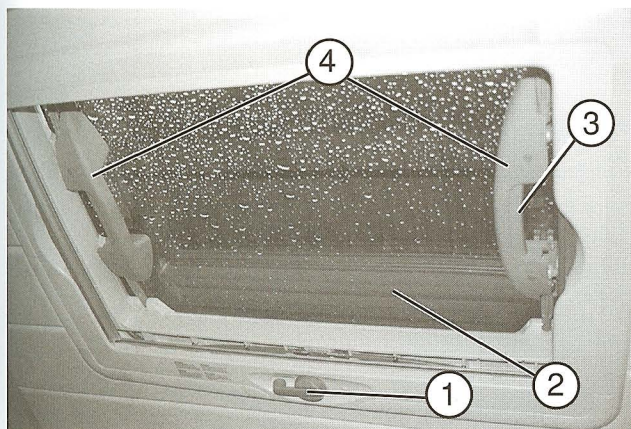
The roof window must always be closed while the motorhome is moving!



The automatic ventilation system in the roof window frame must always remain open!

## 6.6 Sunroof with combined blind

The roof window can be lifted and propped open on one or both sides. It has an additional integrated sunscreen and flyscreen.



#### Opening the roof window to the side

- Using the hand crank (1), travel the roof window (2) to the desired position, stopping as soon as you encounter resistance.

#### Closing the roof window to the side

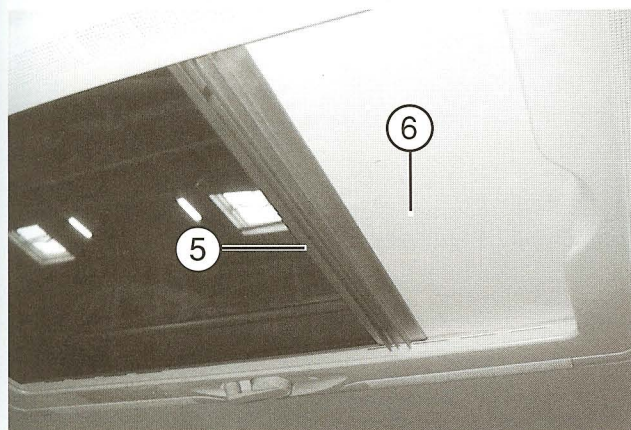
- Crank the roof window (2) down with the hand crank (1).
- Give the hand crank another 2-3 turns after the glass roof has come down, in order to fully lock the roof window.

#### Putting up the roof window

- Close the roof window fully.
- Press the locking device (3) away from the frame and detach it.
- Pushing on both handles (4) at the same time, push the roof window upwards.

#### Closing the roof window

- Pull the roof window downwards, using both handles (4) at the same time.



#### Combining blinds

- Pull the link plate (5) of the flyscreen to the opposite sunshade (6) and engage it in the locking device.

#### Adjusting the sunshade

- Using the locking device, push the sunshade (6) forwards or backwards to the desired position.

#### Opening the flyscreen

- Disengage the link plate (5) of the flyscreen from the locking device and separate it from the sunshade (6).
- Return the flyscreen to its position with the link plate (5).



The roof window must always be closed while the motorhome is moving!

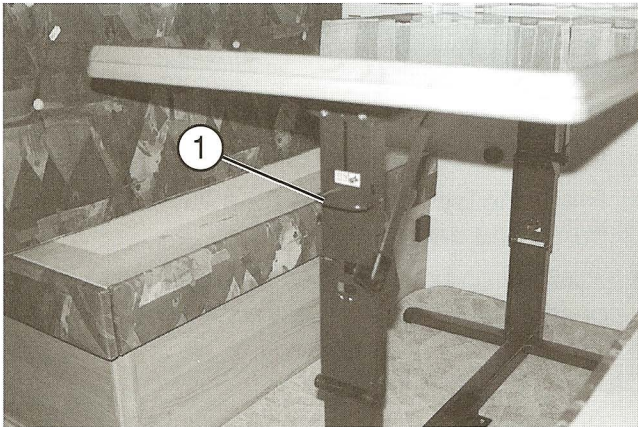
## 6.7 Underseat compartments and putting up beds

For sleeping, the seating groups can be quickly and easily converted to comfortable beds.

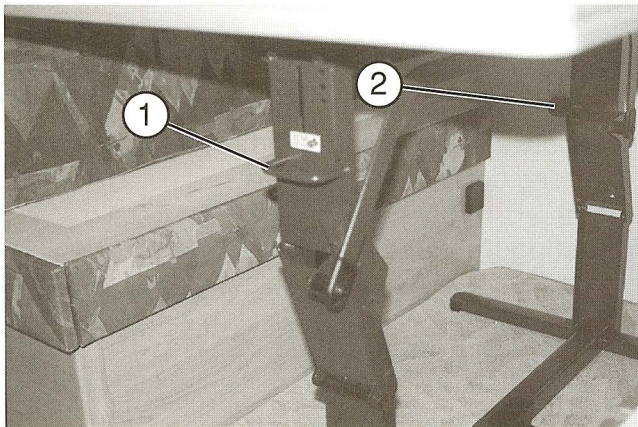
### Leaf table design

#### Conversion

- Remove the seat and back cushions.
- Lift the locking device (1) for the leaf table frame and disengage it.

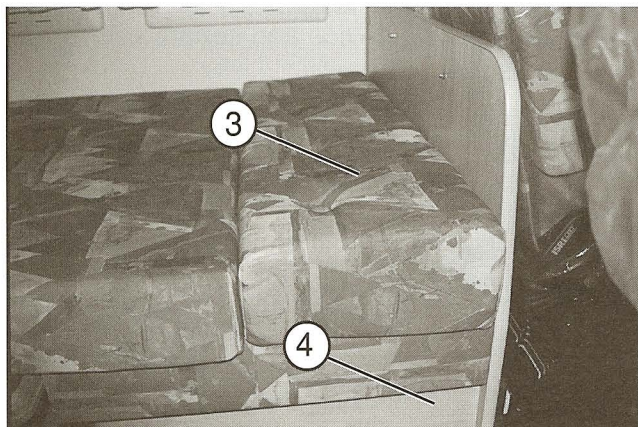


- Pull the locking device (1) of the leaf table frame towards the interior of the vehicle and lower the table.
- Fit stabilisers to additional sheet of wood and hook into the wall (2).



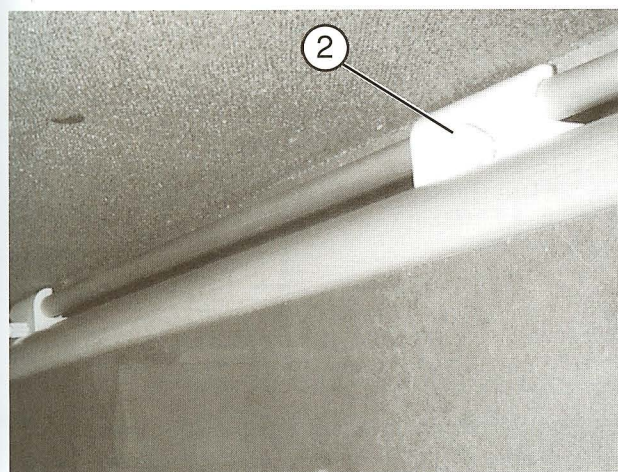
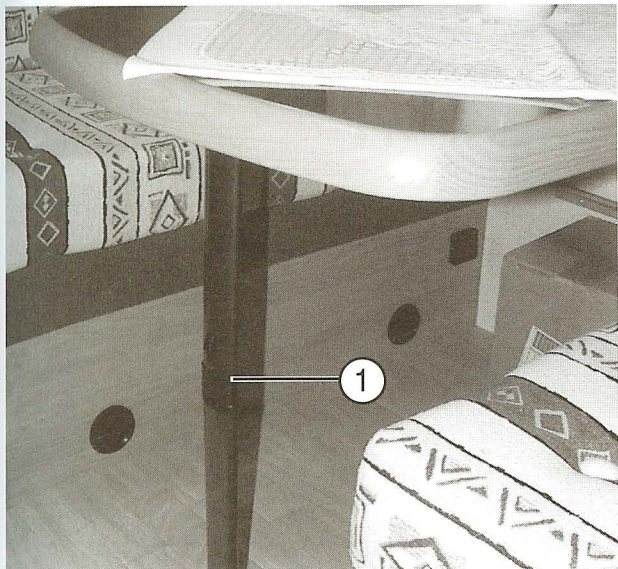
If the additional sheet of wood is not in use, it is stored in the wardrobe.

- Pull out the bed width extension (4) and place the additional cushion against the outside wall.
- Put the seating cushion down and pull it together as far as the centre of the table.
- Fill the gaps with the back supports. To do this, turn the backrests (3) over and place them with the long side against the front or partition wall.



#### Conversion

- Remove the seat and back cushions.
- Disengage the locking of the table leg (1) and fold down the table leg.



- Disengage the tabletop from the lock (2).
- Hook the tabletop into the lower table rail or table extension and lock it there.
- Pull out any extensions in the underseat compartments.
- Put cushions in place.



Make sure that the tabletop, the underseat compartments or extensions and the cushions are firmly fixed so that nothing can fall down.

- Pull out the bed width extension and place additional cushion against outside wall.
- Put seating cushions in place.

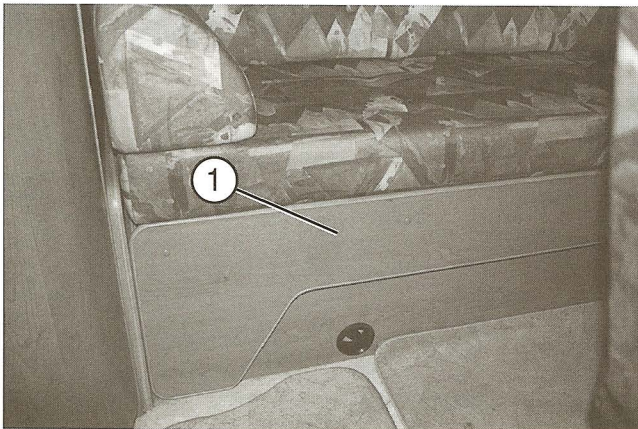


- Pull out the bed width extension and place additional cushion against outside wall.
- Put seating cushions in place.

## Slatted frame design

### Conversion

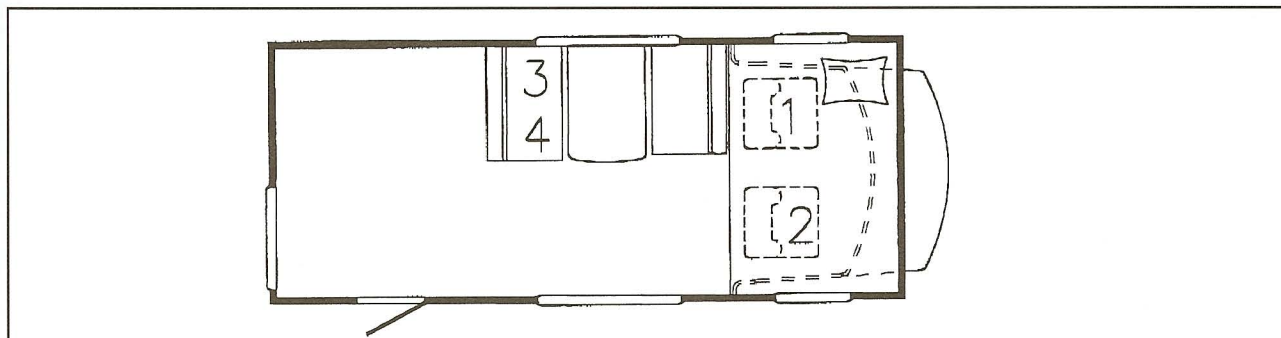
- Release the bed drawer (1).
- Pull out the bed drawer (1).



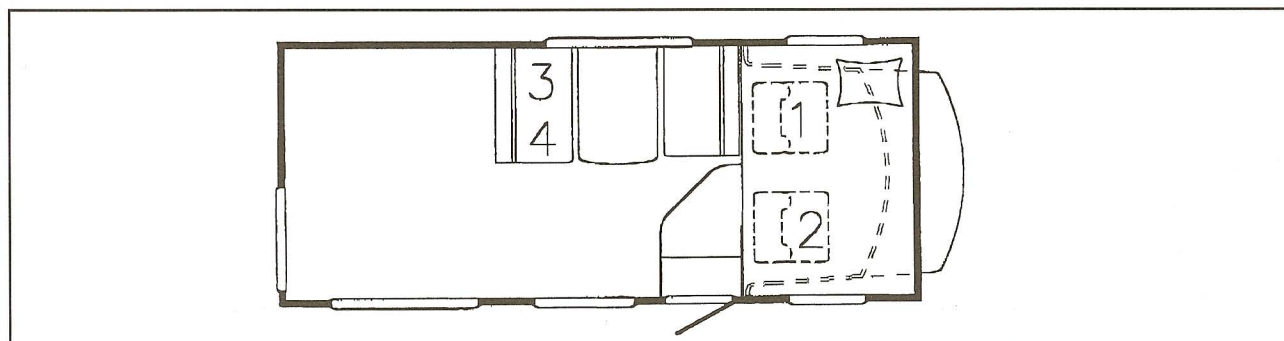
- Pull the seating cushion (3) onto the slatted frame (2) of the extension.
- Fill the gaps with the backrests (4). To do this, turn the backrests over and place them with their long side towards the outside wall.

## 6.8 Overview of seating

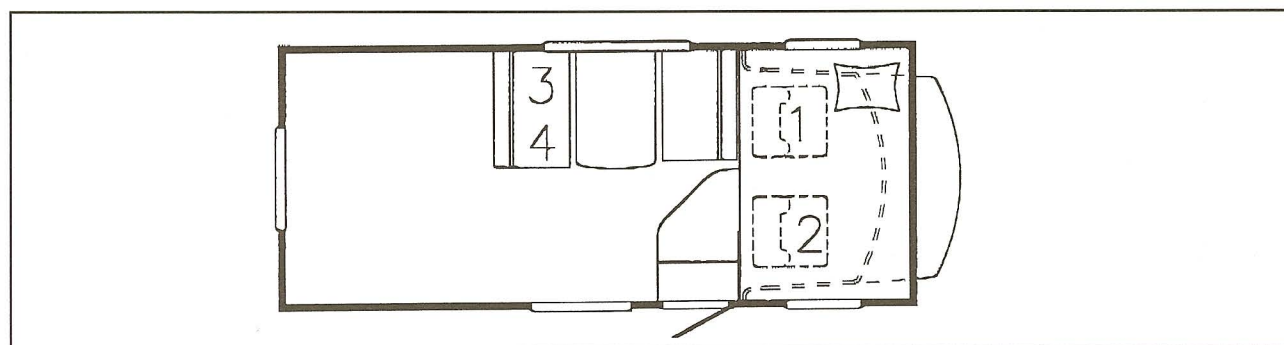
**Model 595 CM**



**Model 595 SM**



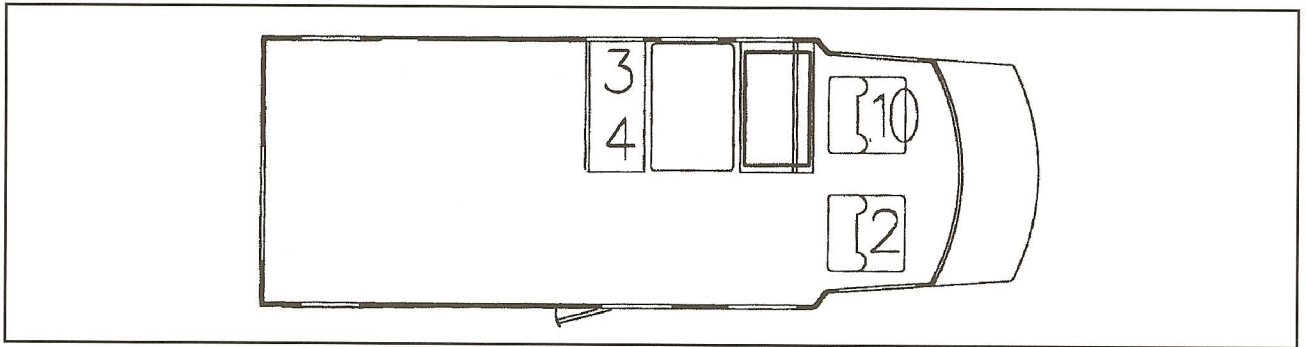
**Model 595 KM**



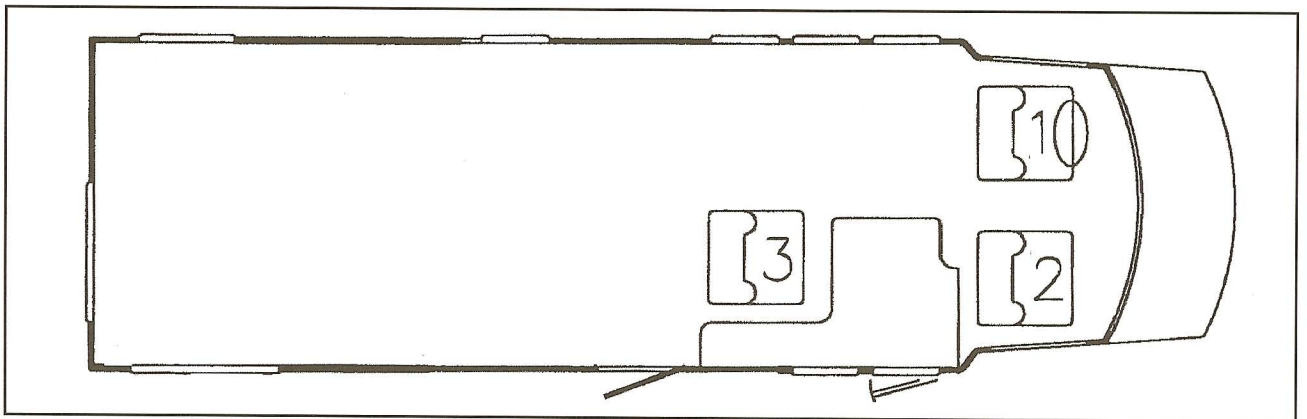
- Seats 1 to 4



**Model 600L / 650**

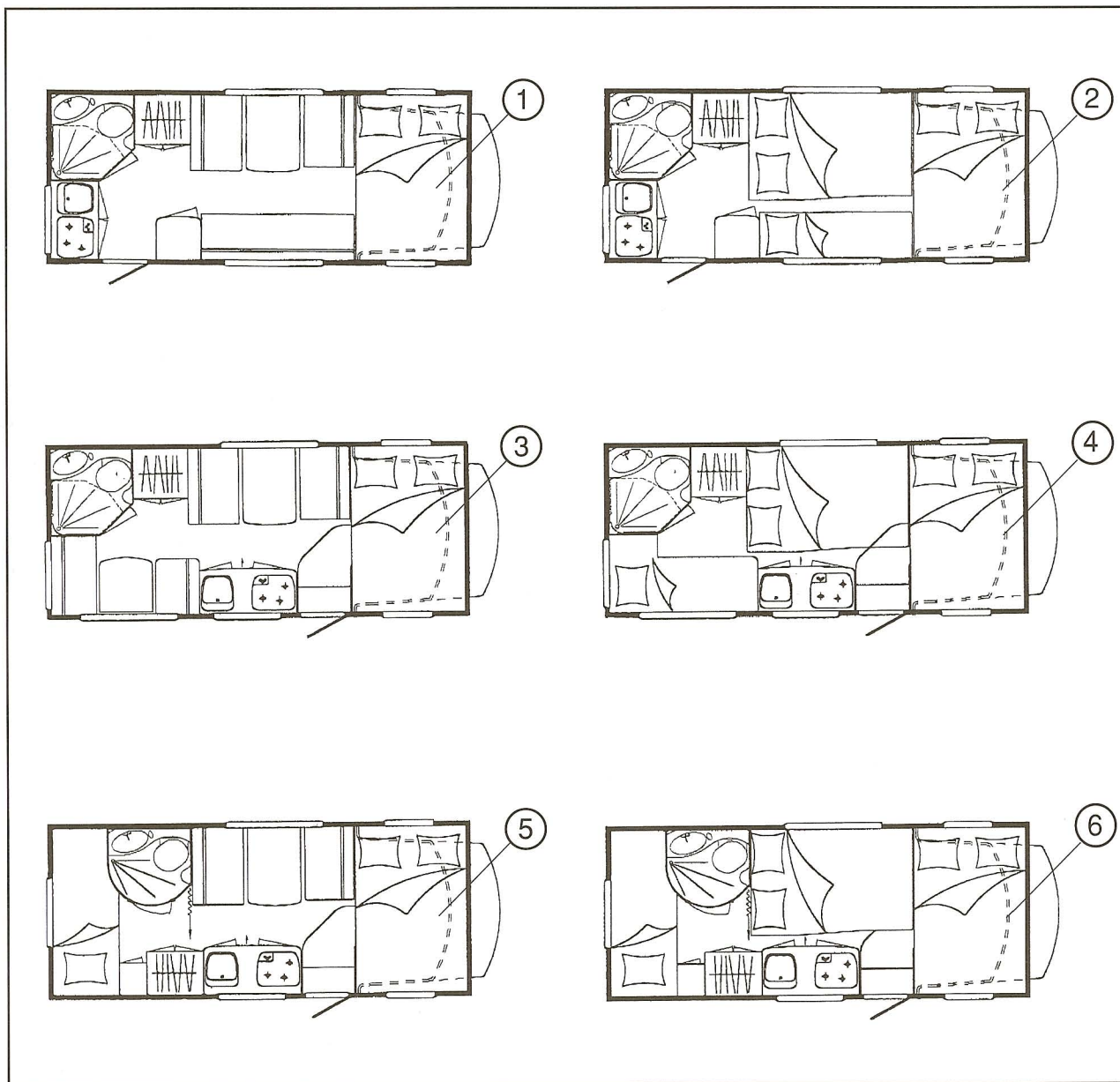


**Model 700 / 750**



- Seats 1 to 4

## 6.9 Overview of arrangement for day and night



- Day position, model 595 CM (1)
- Night position, model 595 CM (2)
- Day position, model 595 SM (3)
- Night position, model 595 SM (4)
- Day position, model 595 KM (5)
- Night position, model 595 KM (6)

## 6.10 Seat design

### Cushion attachment

The seat cushions are held in position by an anti-slip mat. The backrests are attached by means of a Tenax button and a retaining strap. To release the Tenax button, lift its upper part.



Ensure that the seating cushions and backrests are positioned and held correctly.

### Adjusting the height of the headrests

- Grip the cushion of the headrest from below and push it into the desired position.



## 6.11 Seatbelt design

The seats facing in the direction of travel in the central seating groups are fitted with seatbelts.

### Operation

#### Fastening seatbelts

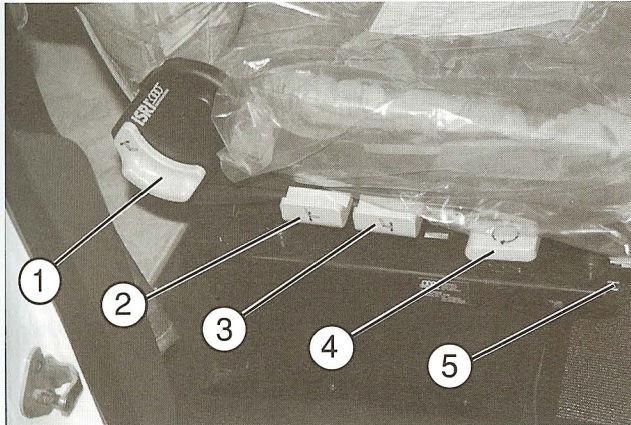
The belt must not be twisted.

- Take the locking tongue and insert it into the belt lock until it engages with an audible click.
- Pull the upper belt section over the shoulder and diagonally across the chest.
- Lay the lower part of the belt across the pelvis.

#### Undoing seatbelts

- Press the button on the belt lock, until the locking tongue is released.

## 6.12 Seats in the driver's cab



### ISRI seat

#### Adjusting the backrest

- Pull the lever (1) upwards and adjust the backrest to the desired position.

#### Adjusting the height

- Pull lever (2) upwards and swivel the seat upwards or downwards.

#### Adjusting the angle

- Pull lever (3) upwards and swivel the seat forwards or backwards.

#### Swivel device

- Push seat right back.
- Pull lever (4) upwards and swivel seat to desired position.

#### Adjusting longitudinal position of seat

- Push bracket (5) upwards and move seat forwards or backwards to the desired position.

#### Adjusting armrests

- Turn button (6) anticlockwise to release lock.
- Adjust armrest to desired position.
- Turn button (6) clockwise to lock in position.

#### Seatbelts

The seatbelts are attached directly to the B columns. This system is only effective in the direction of travel and with the swivel unit locked. On model 750 SFe, the third pilot's seat has an integrated seatbelt system.



When fastening seatbelts, ensure that the seatbelt is always positioned inside the armrests.

---

## 6.13 TV cabinet

(Model 750 FMSe)

### Operation

The Tv set can be adjusted to the position desired and locked in this position.

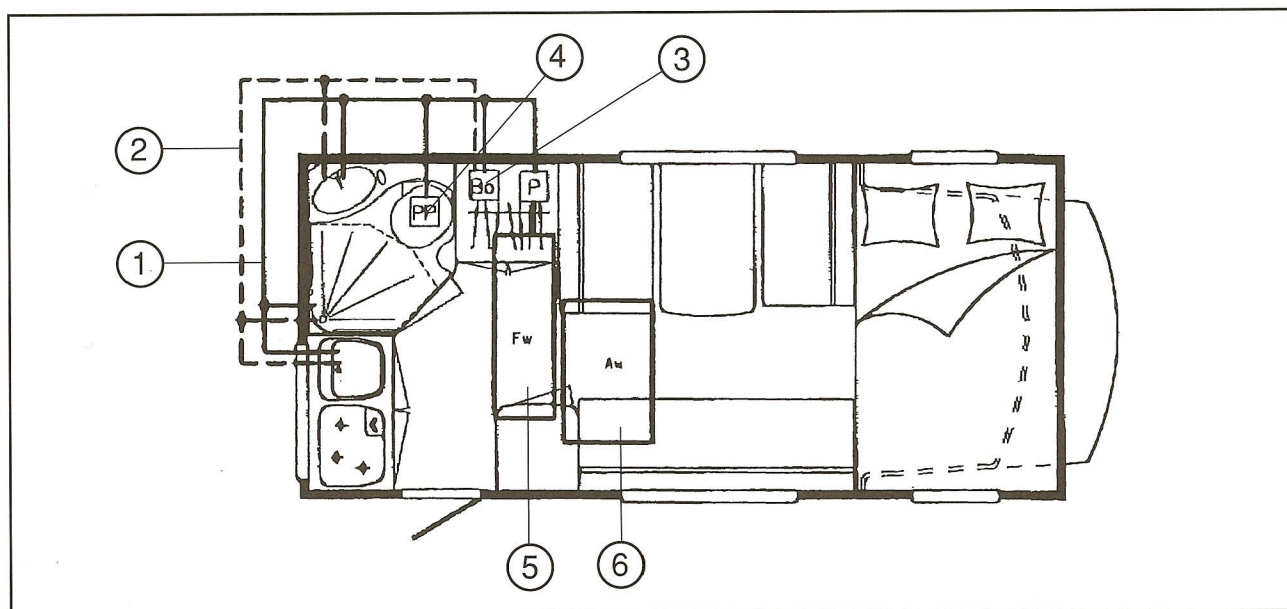
### Positioning

- Open cabinet.
- Unscrew the black knob.
- Pull out the extension.
- Adjust the swivel console to the desired position.

# 7 Water

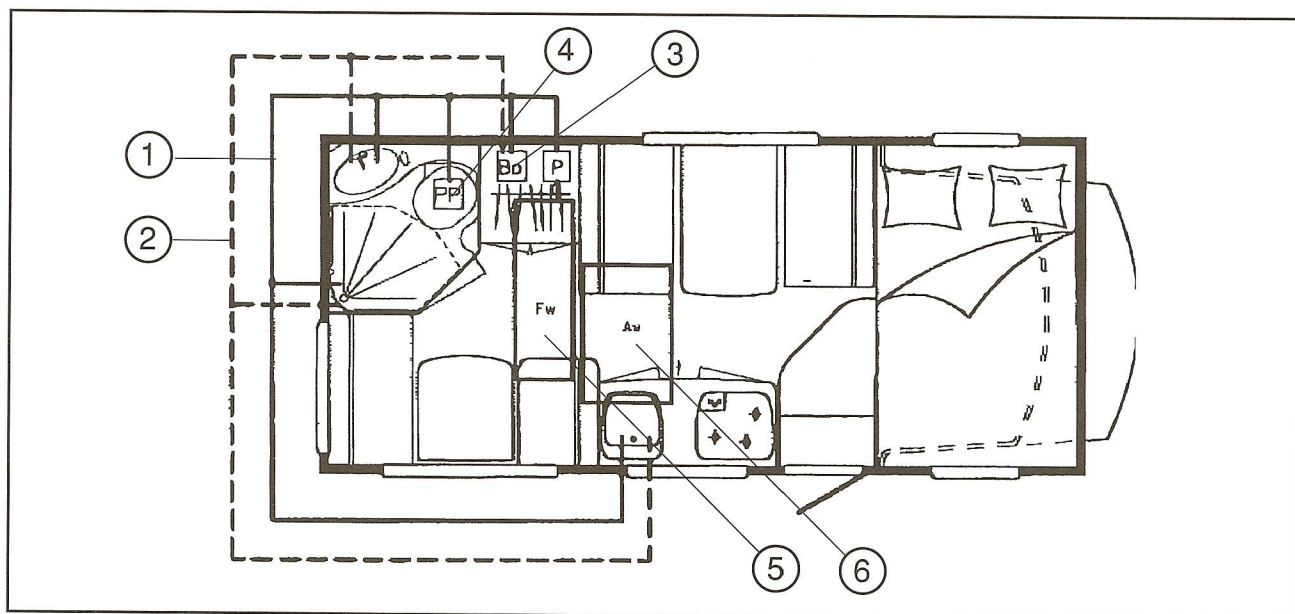
## 7.1 Overview of plumbing layout

Model 595 CM

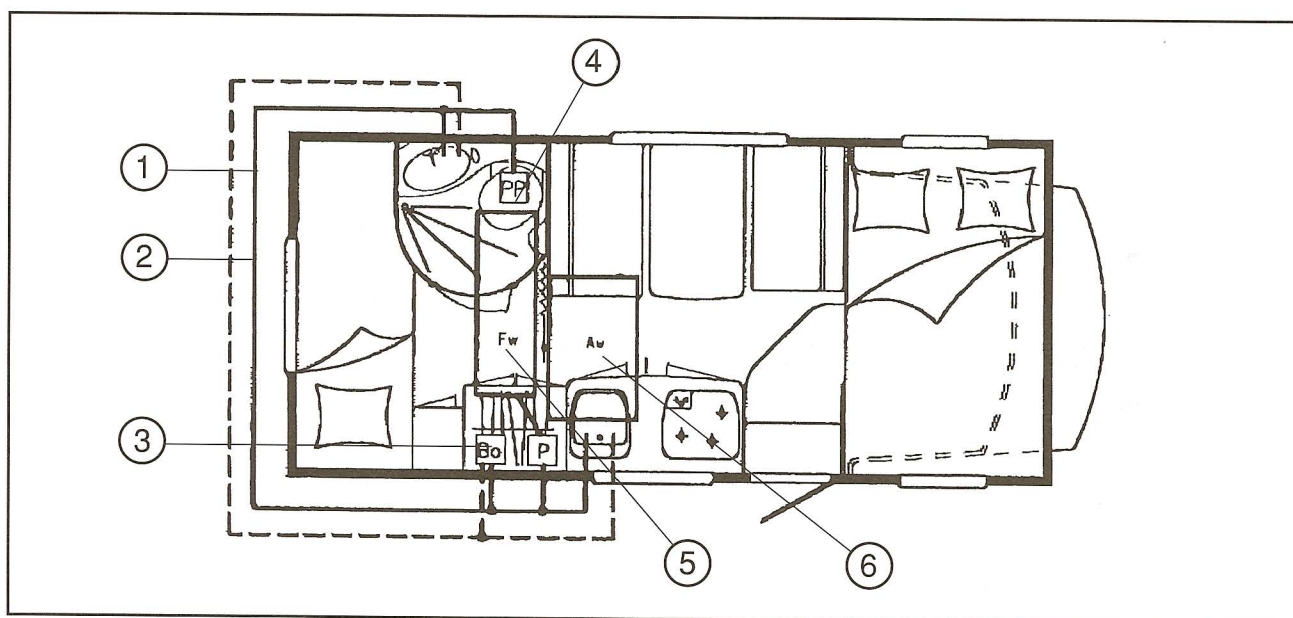


- Cold water pipe (1)
- Warm water pipe (2)
- Boiler (3)
- Toilet (4)
- Fresh water tank (5)
- Waste water tank (6)

## Model 595 SM

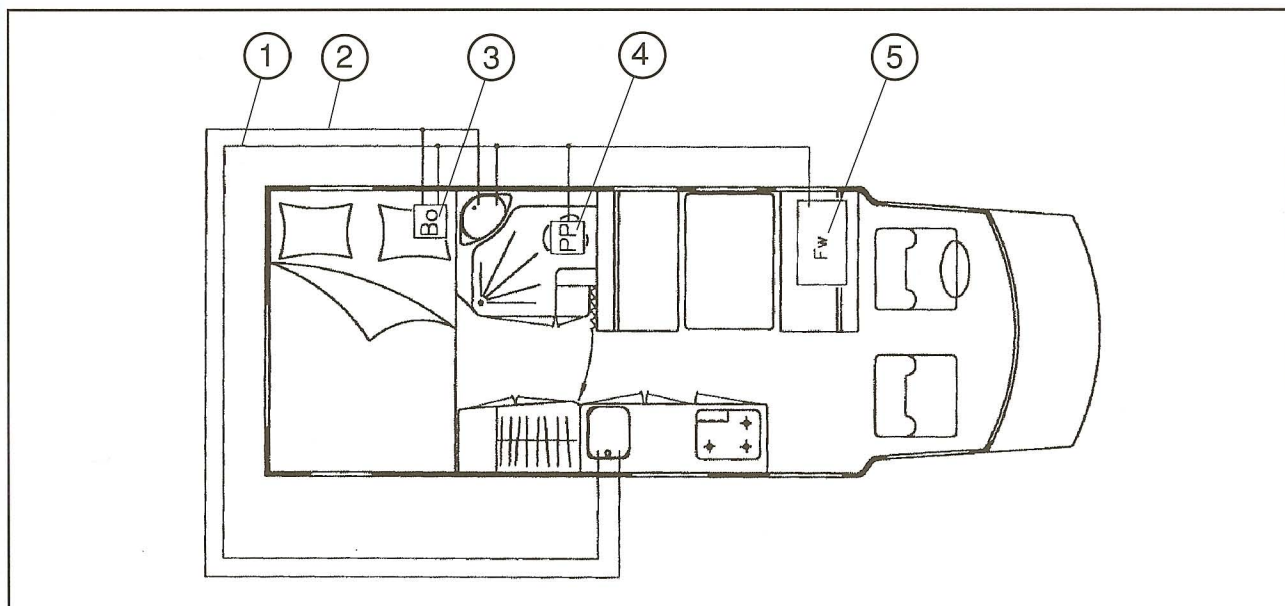


## Model 595 KM

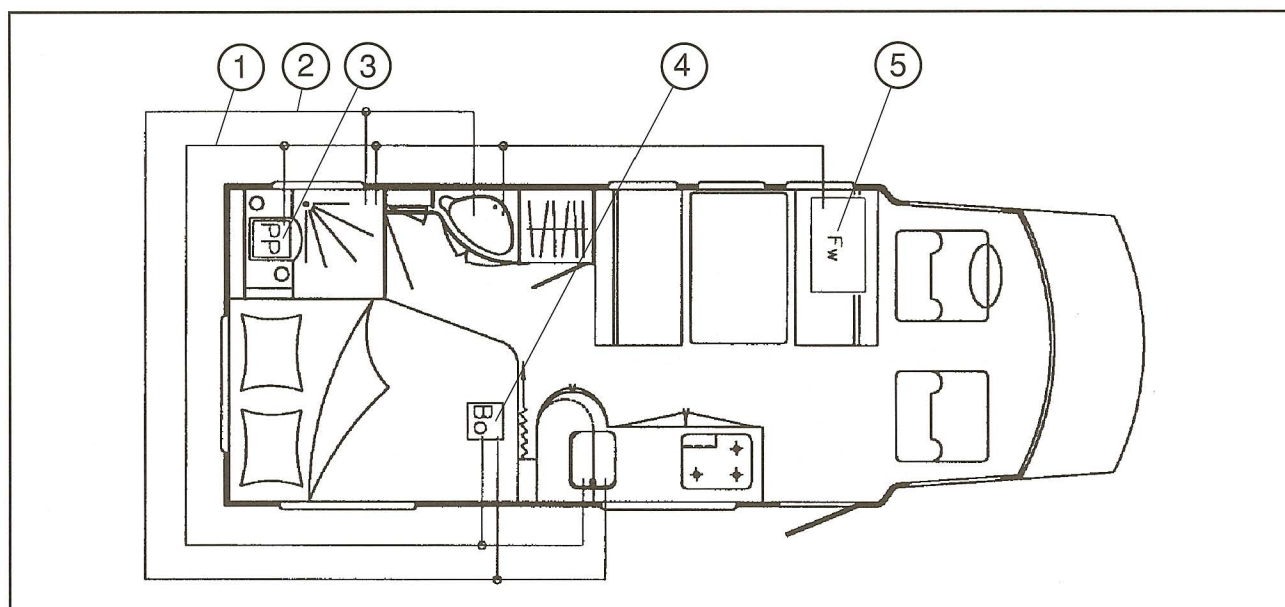


- Cold water pipe (1)
- Warm water pipe (2)
- Boiler (3)
- Toilet (4)
- Fresh water tank (5)
- Waste water tank (6)

### Model 600 L / 650



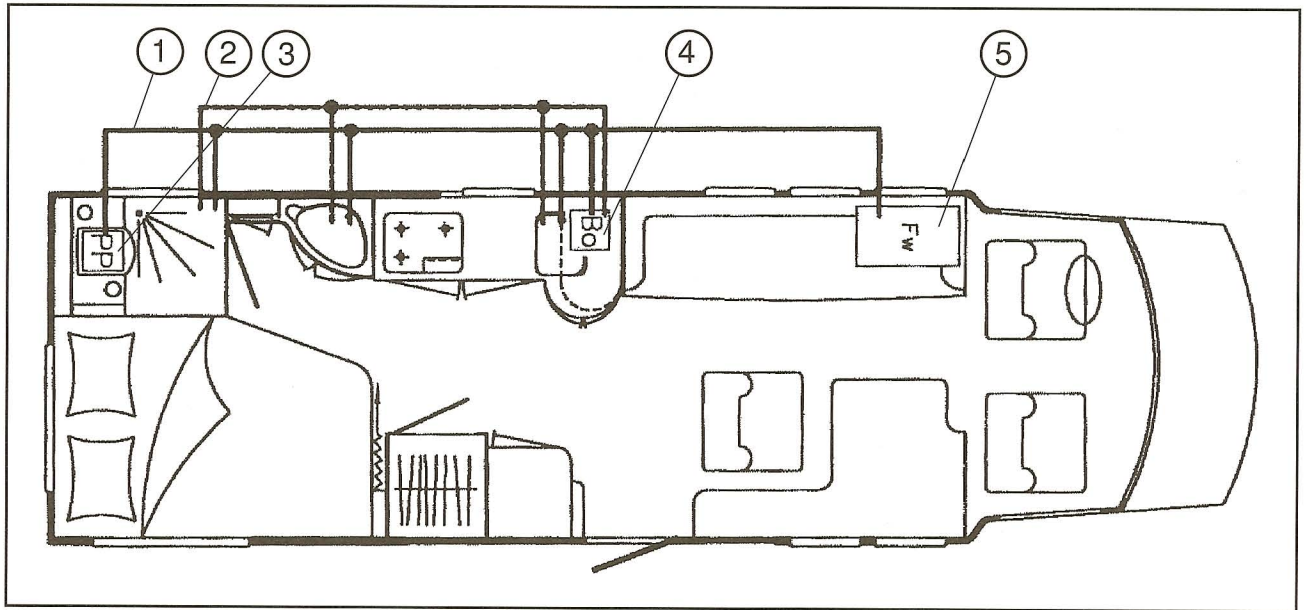
### Model 600 L / 650 Sfe



- Cold water pipe (1)
- Warm water pipe (2)
- Boiler (3)
- Toilet (4)
- Fresh water tank (5)



## Model 700 / 750



- Cold water pipe (1)
- Warm water pipe (2)
- Boiler (3)
- Toilet (4)
- Fresh water tank (5)

## 7.2 Water supply

### Function of water supply

A water pump pumps fresh water to the kitchen and the toilet compartment. The pump is installed near the heating system.

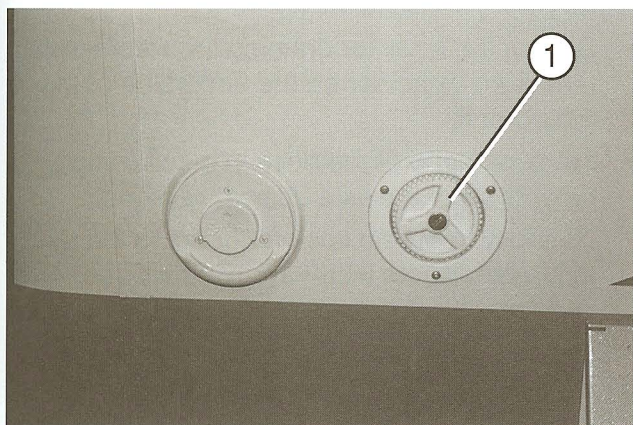
### Operating an immersion pump

- Turn on 12 V main switch.
- Turn on the switch for the water supply on the on-board control panel.



Only switch the pump on if the fresh water tank is full. The pump can be destroyed if it runs dry!

## Fresh water tank

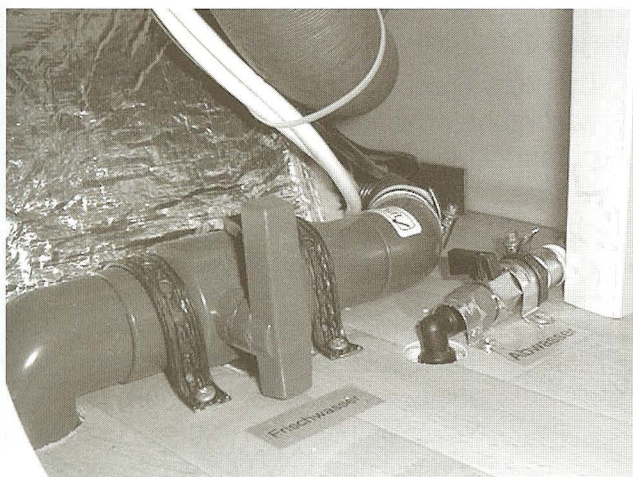


### Filling up with water

- Close all drains and valves.
- Unlock and open the filling nozzles (1).
- Fill tank with drinking water, preferably via a hose (not included in delivery).

### Draining off water

- Turn on 12 V main switch.
- Turn switches for water pump, heating and boiler to „ON“.
- Turn on „cold“ or „hot“ taps.



### Emptying the fresh water tank

#### Models 600 FS/B, 650 FS/C, 650 FSe/C and all models of series 700/750

- The cleaning aperture for the fresh water tank is accessible from the interior.
- Unscrew the cleaning aperture at the central screw.
- There is a drain plug in the left corner of the tank towards the outside wall.
- Unscrew the drain plug.

### To ensure good quality of water from your tank

- Only put water of drinking quality in your tank. When filling, pay attention to the sticker with the symbol for „fresh water“.
- Always boil water before drinking it.
- Lock the tank.
- After every trip and when the motorhome has been stationary for some time, completely drain the water tank.
- Clean the water tank thoroughly with water.



Water kept in closed containers, e.g. tanks, is soon contaminated with bacteria. If you drink water, you should add a sterilising agent to it or take mineral water with you.



Never contaminate the water circulation with antifreeze or other chemicals. Danger of poisoning! When camping in winter, ensure that the fresh water tank is kept warm enough to prevent freezing.

## Waste water tank

### Emptying the waste water tank

- Detach the hose for draining the waste water tank from its holder on the underside of the motorhome.
- Place one end of the hose in a collecting receptacle or a waste disposal system.
- Carefully open the cock for draining the tank to prevent waste water spraying around.
- Close the cock when the waste water has completely drained off.
- Replace the hose carefully in its holder to prevent it coming loose accidentally.

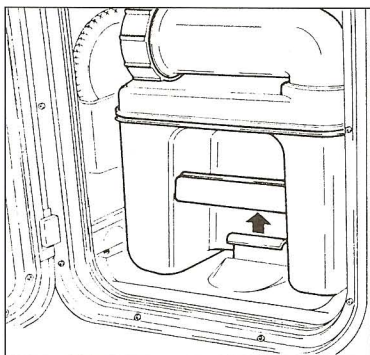
### Emptying the waste water tank Series 600 / 700

- Carefully open the cock for draining the waste water tank, which is located in the gas compartment under the kitchen fittings. Opening the cock carefully will prevent waste water spraying around.
- Collect waste water in a suitable receptacle.



Only empty your waste water tank at the special waste water disposal points provided for that purpose. Never empty them in the countryside! You will normally find waste disposal stations at motorway service stations, on campsites or in filling stations.

## 7.3 Water-flushed toilet



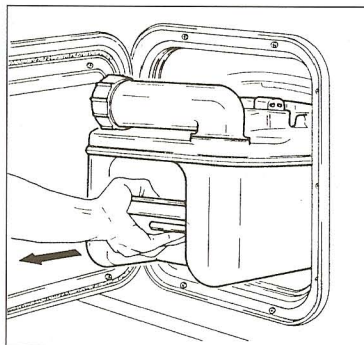
### Swivel toilet

#### Preparation

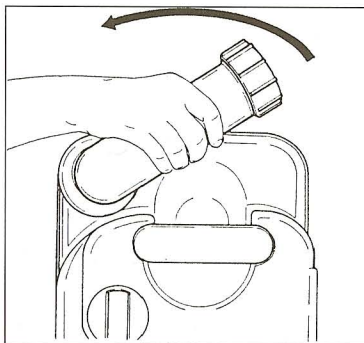
- Open the Thetford door and pull the retaining bracket upwards to remove the faeces tank.



The faeces tank can only be removed if the slider is closed.



- Pull the faeces tank out straight, as far as it will go.
- Slightly tip the faeces tank and then remove it completely.
- Put it down upright.



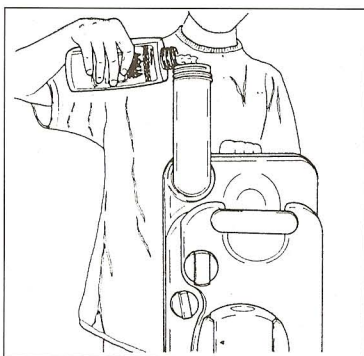
- Turn the draining nozzle upwards.



If necessary, an active-carbon filter system (from equipment dealers) can be installed so that sanitary liquids are no longer needed!



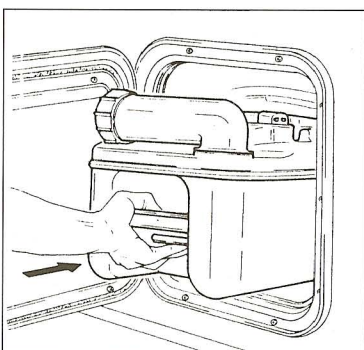
Use sanitary fluid economically. Using excessive amounts is no guarantee that you will prevent any smell arising!



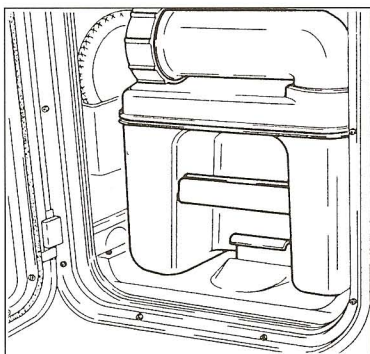
- Pour the prescribed amount of sanitary fluid into the faeces tank.
- Then add enough water to completely cover the bottom of the faeces tank.
- Turn the draining nozzle back to its original position.



Never pour sanitary fluid directly into the toilet bowl.



- Push the faeces tank back into place.

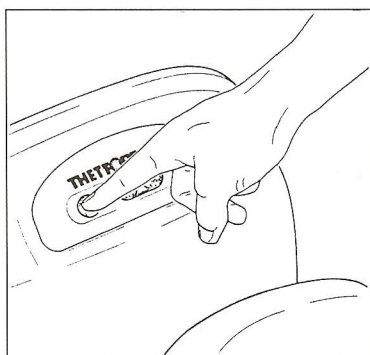


- Ensure that the faeces tank is held in place by the retaining bracket.
- Close the service flap again.

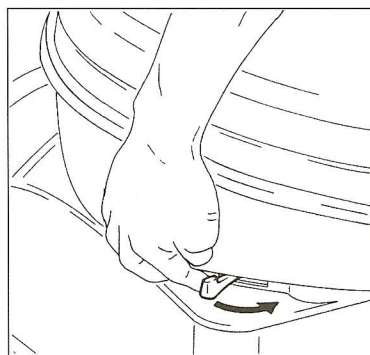


#### **Use**

- Twist the toilet bowl to a comfortable position.
- Use the toilet.

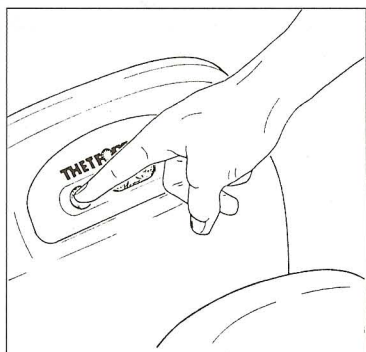


- Fill the toilet bowl with water by pressing the flush button. The flush runs as long as the button is held pressed.

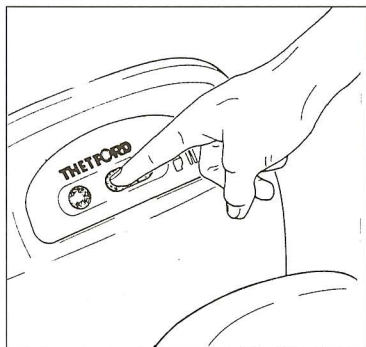


#### **Cassette C 200 S**

- Open the slider by turning the slider lever anticlockwise.

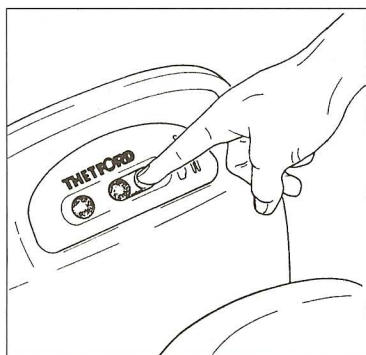


- Flush the toilet by pressing the flush button.
- After flushing, close the slide again.

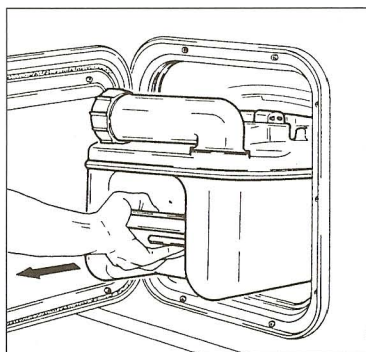


### Cassette C 200 E (extras)

- Open the slide by pressing the left-hand side of the slider button.



- Flush the toilet by pressing the flush button.
- After flushing, close the slide again by pressing the right-hand side of the slider button.



### Emptying the cassette

- Open the Thetford door and pull the retaining bracket upwards to remove the faeces tank.

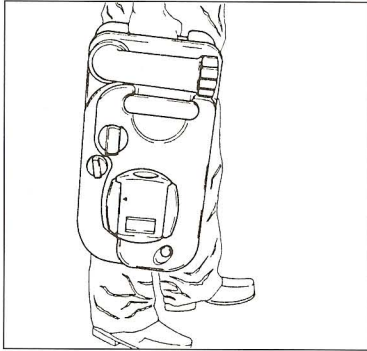


The faeces tank can only be removed if the slider is closed.

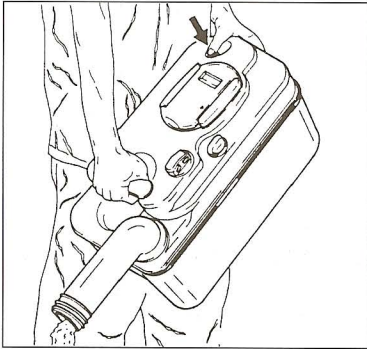
- Pull the faeces tank out straight, as far as it will go.
- Slightly tip the faeces tank and then remove it completely.



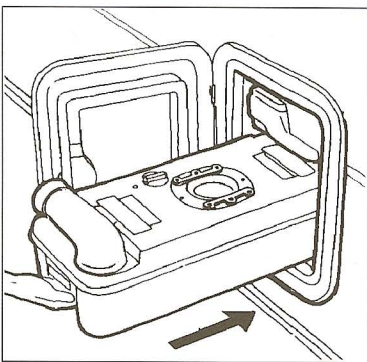
Only empty faeces tanks in the specially provided installations, but never in the countryside!



- Take the faeces tank, with the draining nozzle upwards, to an installation provided specially for the purpose of faeces disposal.



- Remove the cover from the draining nozzle.
- Position the faeces tank with the draining nozzle pointing downwards.
- Press the venting button with your thumb. The faeces tank empties.



- Return the faeces tank to its original position, pushing it in until that retaining clamp holds the faeces tank locked in position.
- Close the service flap again.

**To use the toilet in a way which is least damaging to the environment**

- Only put approved and environmentally-friendly chemicals in the tank!
- Only empty the toilet at the drains provided for this purpose or at waste disposal stations!
- Never drain waste into a drain on the road  
These drains usually flow straight into a river, bypassing the sewage plant.



## 7.4 Warm water supply

### Warm water boiler

Your motorhome is fitted with a liquid gas heating system with a built-in boiler. The boiler holds 14 l of water.

The warm water boiler is located in the back seat of the central seating area.

The operating system for the warm water boiler is located on the kitchen side of the wardrobe.

#### The following points apply for the use of the warm water boiler

- Always empty the boiler if there is a danger of frost!
- If the boiler has not been used for some time, rinse it out thoroughly (turn on the mixer taps)!



Always have repairs done by a specialist!



Any alteration to the boiler will cause malfunctions and lead to the expiry of the operation authorisation for the device!

#### Filling the warm water boiler (before first use or after emptying)

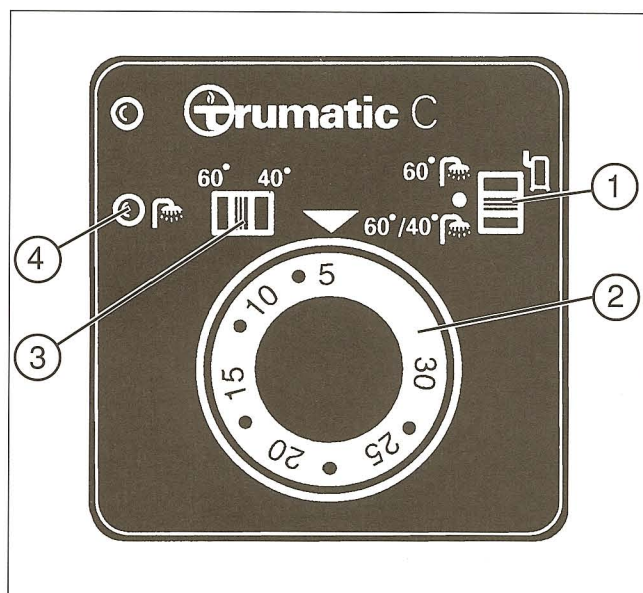
- Turn on water pump by turning on the switches for the water pump circuits on the display and control panels.
- Turn on all hot-water taps.
- Only turn taps off again when the boiler is full, when the displaced air has escaped and warm water is flowing from the hot-water taps.



For further information, see the Truma operating instructions.



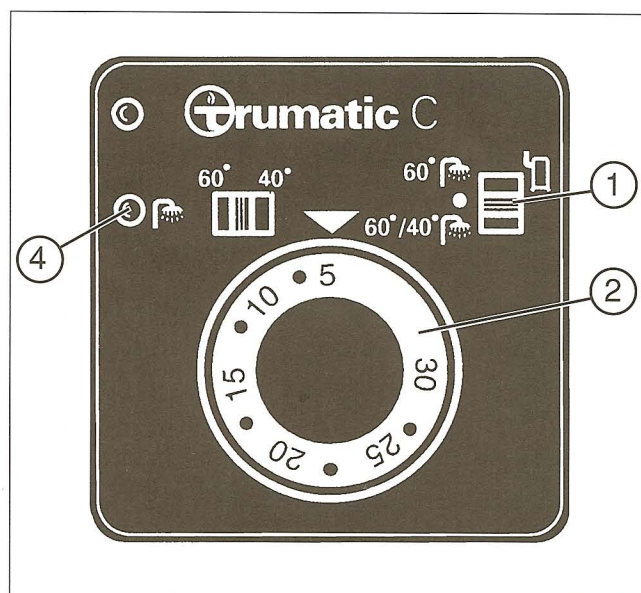
## Warm water boiler



### Use in summer - without room heating

- Open the bottle valve and the quick-closing valve in the gas feed line.
- Set the sliding switch (1) to summer operation by pushing it into its lowermost position.
- Using the sliding switch (3), set the water temperature to 40°C or 60°C. This sliding switch only works for summer operation.

The device is in operation. The green „Operation“ indicator lamp below the knob lights up. The water is automatically heated at the lowest burner setting. During this phase, the yellow indicator lamp (4) 'Boiler heating phase' lights up. When the water reaches the set temperature of 40°C or 60°C, the burner automatically switches off. The yellow indicator lamp (4) goes off again.



### Use in winter - with room heating

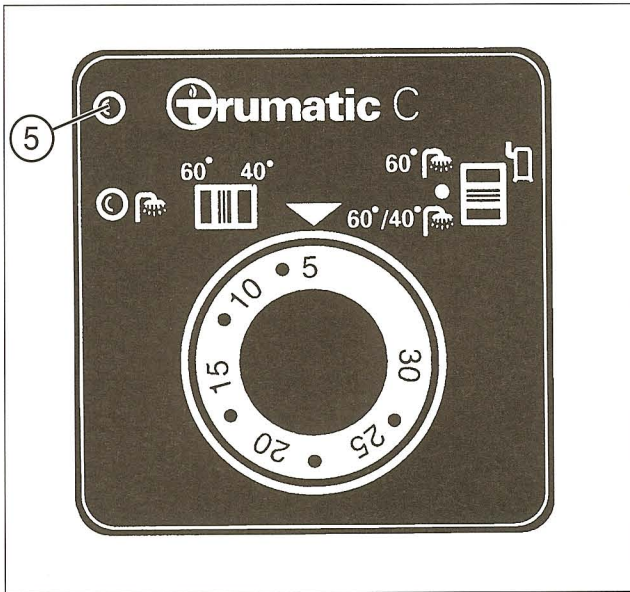
- Open chimney cover.
- Open the bottle valve and the quick-closing valve in the gas feed line.
- Using the sliding switch (1), set the boiler to winter operation. To do this, set the switch in its uppermost position.
- Set the room temperature with the knob (2). The device is in operation. The green „Operation“ indicator lamp below the knob lights up.

The device automatically selects the required burner setting depending on the difference between the set temperature and the present room temperature.

When the boiler is full, the fresh water is automatically heated, too. During this phase, the yellow indicator lamp (4) „Boiler heating phase“ lights up.

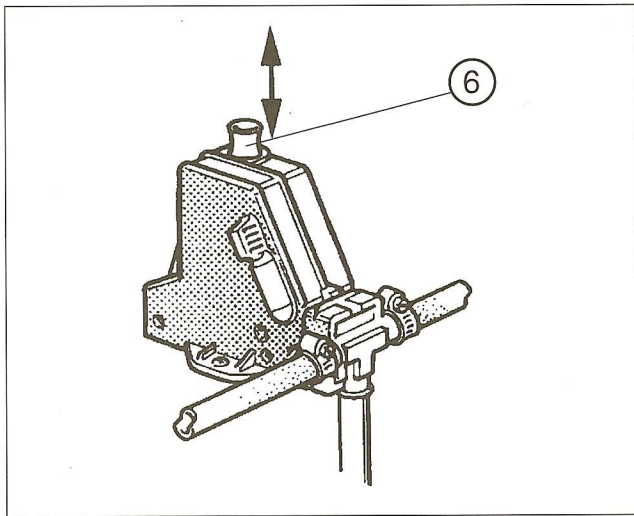


Heating operation without the boiler containing water is also possible.



### Faults

- The red indicator lamp (5) is lit continuously. Causes are e.g. lack of gas, lack of air for combustion, a defective fuse etc. The device can be enabled again once the fault has been remedied by switching it off and switching it on again.
- The red indicator lamp (5) flashes approximately once per second. The cause is that the operational voltage is too low.



### Emptying the boiler

- Switch off the water pump by turning off the switch for the water pump circuit on the display and control panel.
- Turn on all hot-water taps.
- Push in the operation button (6) on the electrical safety/drain valve. The water in the boiler will now drain off to the outside.



Without heating operations, the safety/drain valve can only be closed again at temperatures of over 8°C.



If the temperature falls below 2°C at the safety/drain valve, the water content of the boiler can drain off itself with the boiler switched off.





## 8 Gas

### 8.1 General safety regulations for the use of liquid gas equipment

#### Inspection of the gas installations

- Before first operation, liquid gas installations must be inspected by an expert.
- The inspection of the gas installations by an expert must be repeated every 2 years.
- Regulators and exhaust conduits must also be inspected.
- We recommend that the safety regulator be replaced every 6 years.
- The operator of the equipment is responsible for arranging inspection.

#### New installations and alterations

- An expert must be called in to install any new equipment or make any alterations to the gas installations.

#### Storage of objects

- Gas bottles must always be stood upright.
- Cupboards for bottles must be directly adjacent to the living area.
- Cupboards for bottles must have a ventilation opening which cannot be locked and which is at least 100 square centimetres in size, either in the floor or directly above the floor.

#### Regulators and valves

- Use only special vehicle regulators with a safety valve. Other regulators are not permissible and are not suitable for this heavy use.
- Fit the regulator carefully to the bottle by hand, using no wrenches, pliers or similar tools.
- At temperatures below 5°C use a de-icer device (Eis-Ex) for regulators.



The gas operating pressure is 30 mbar.

### Using the cooker

- When using the cooker, the roof vent or the window must be open.
- Operating knobs on gas equipment which have to be pressed to ignite the gas must spring back to off position by themselves when no longer pressed.



Cookers or other devices which draw their air for combustion from the interior of the vehicle must never be used for heating purposes. Otherwise, there is a danger of death due to lack of oxygen or due to the formation of odourless carbon monoxide.

### Waste air

- The exhaust pipe must be fitted tightly to the heating system and to the chimney and must be sealed. It must not show any evidence of damage.
- Waste air must be able to pass freely out of the motorcaravan and fresh air must be able to enter. For this reason, no snow-walls or aprons must be erected directly against the vehicle. The intake holes under the floor of the vehicle must be kept unobstructed and clean.

### Before operation

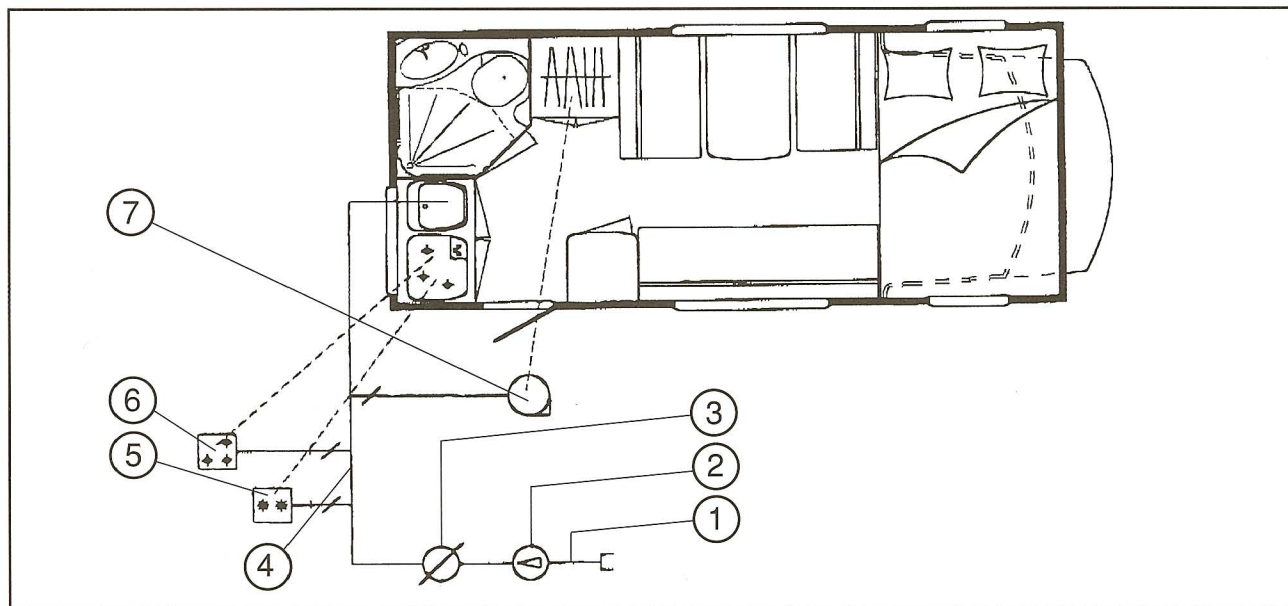
- Ventilation holes must be kept free.
- Remove snow from the chimney if necessary.
- Remove dirt and, if necessary, slush from the intake aperture under the floor of the vehicle. If this is not done, the exhaust fumes could reach impermissibly high levels of CO.
- The safety ventilation openings must not be closed.



Read the manufacturer's operating instructions carefully!

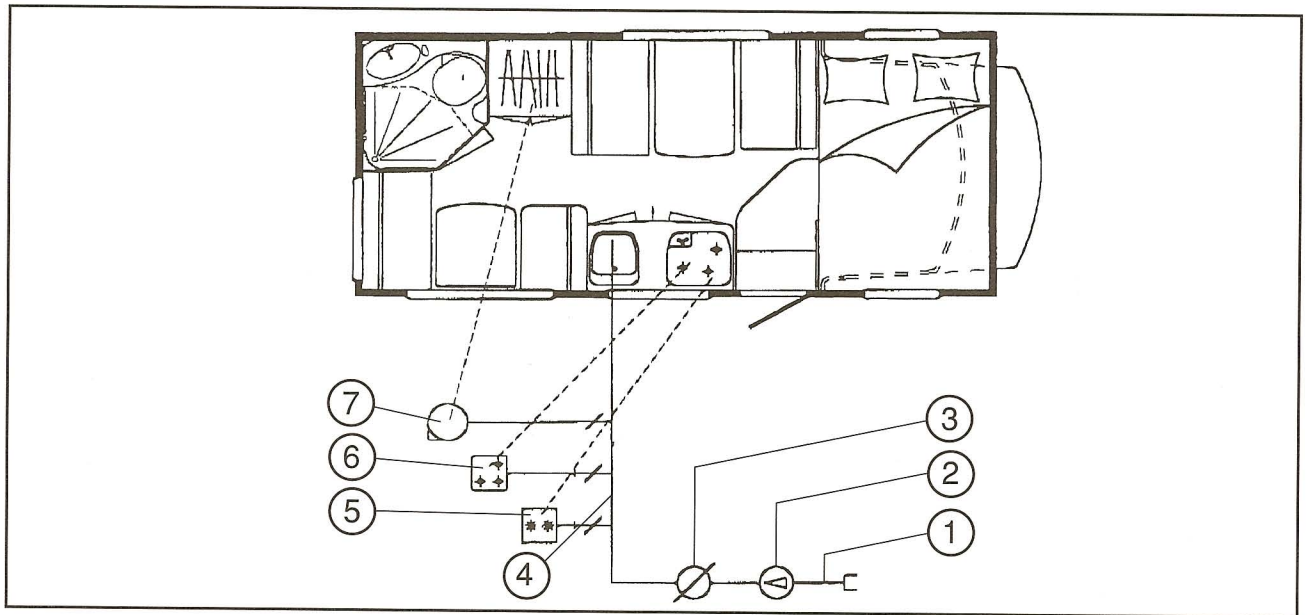
## 8.2 Overview of gas installations

### Model 595 CM

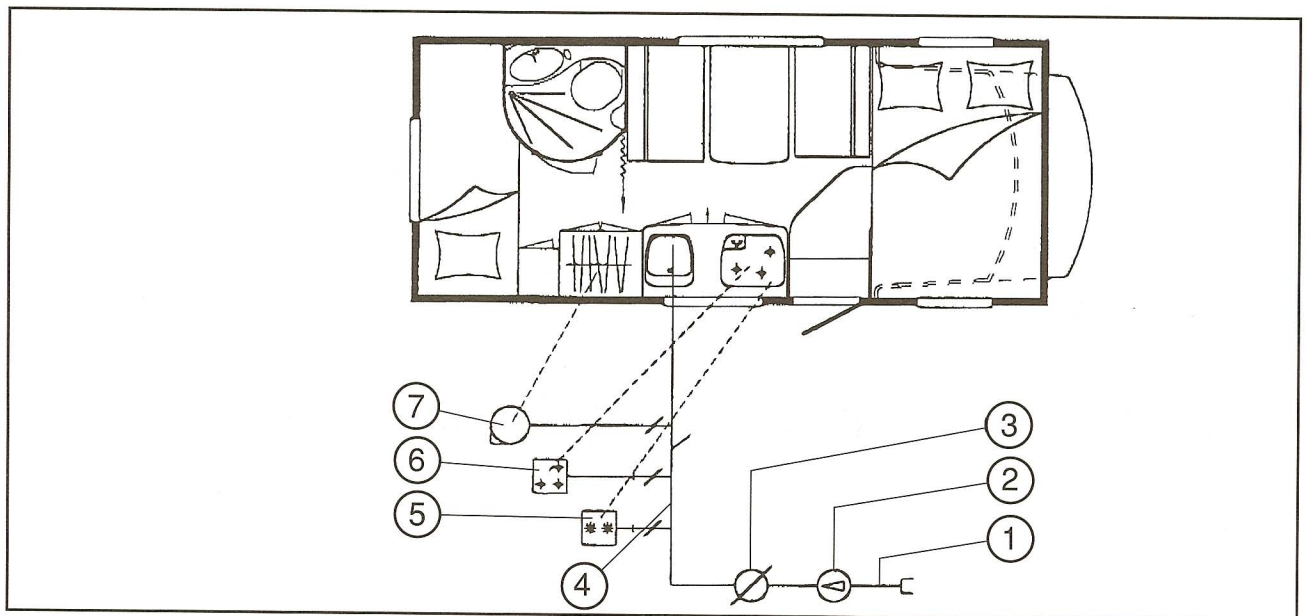


- High-pressure hose (1)
- Setting regulator with safety valve (2)
- Low-pressure regulator with cut-off (3)
- Distributor block VK 3 (4)
- Refrigerator (5)
- Cooker (6)
- Heating and boiler (7)

## Model 595 SM

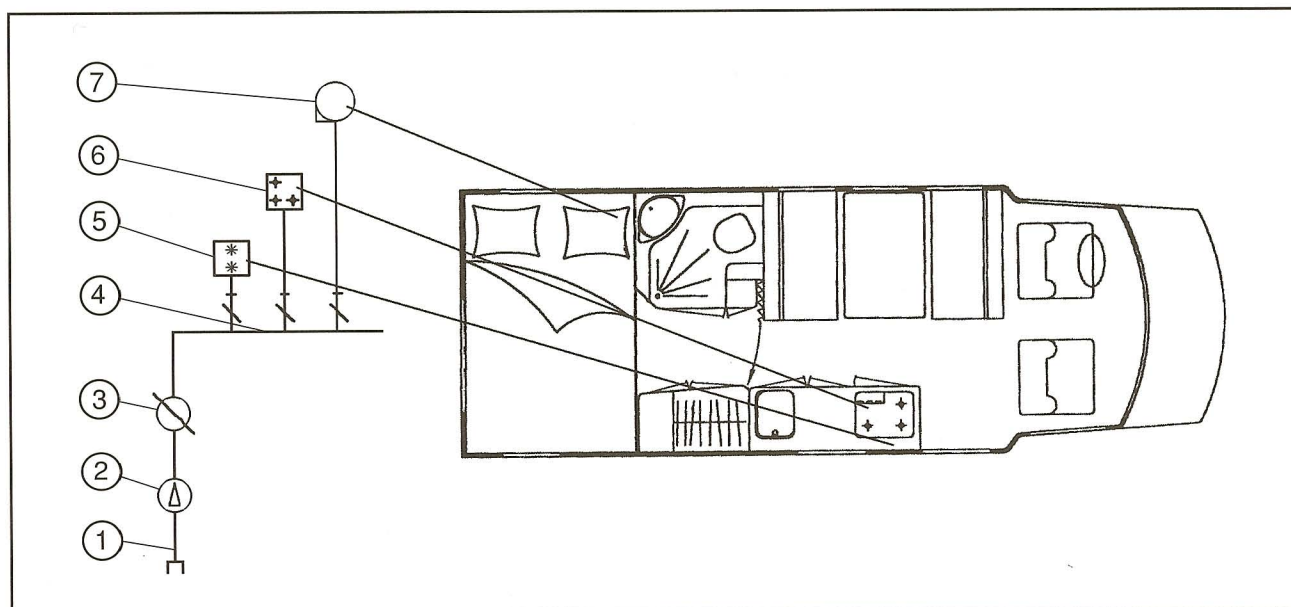


## Model 595 KM

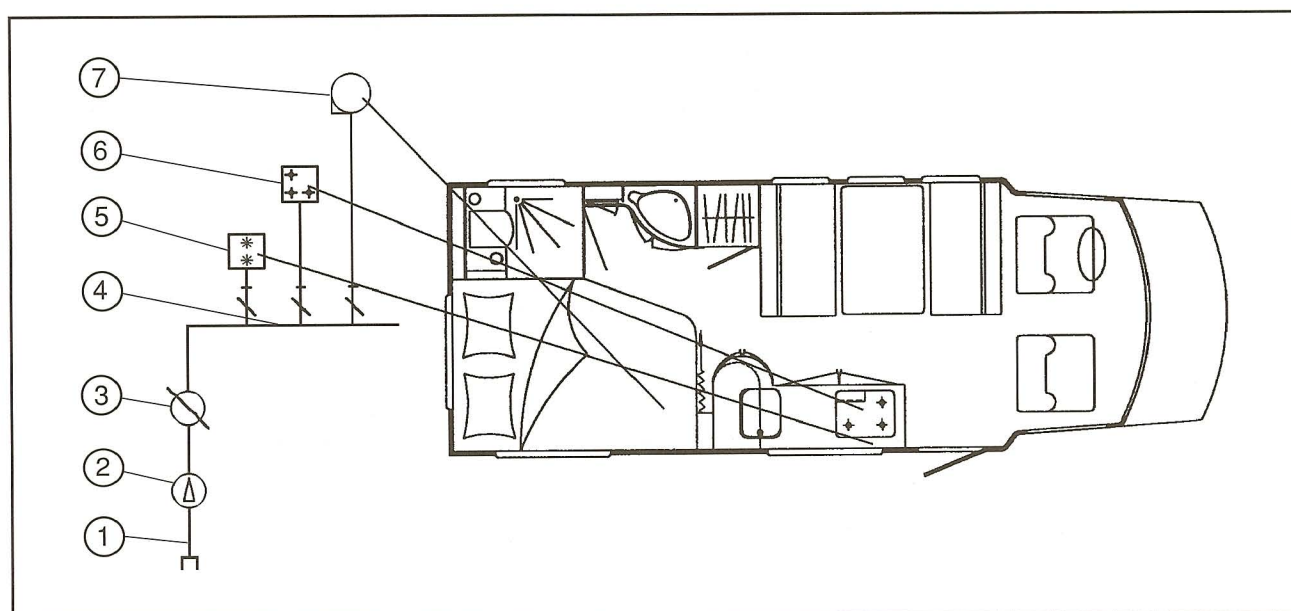


- High-pressure hose (1)
- Setting regulator with safety valve (2)
- Low-pressure regulator with cut-off (3)
- Distributor block VK 3 (4)
- Refrigerator (5)
- Cooker (6)
- Heating and boiler (7)

## Model 600 L / 650



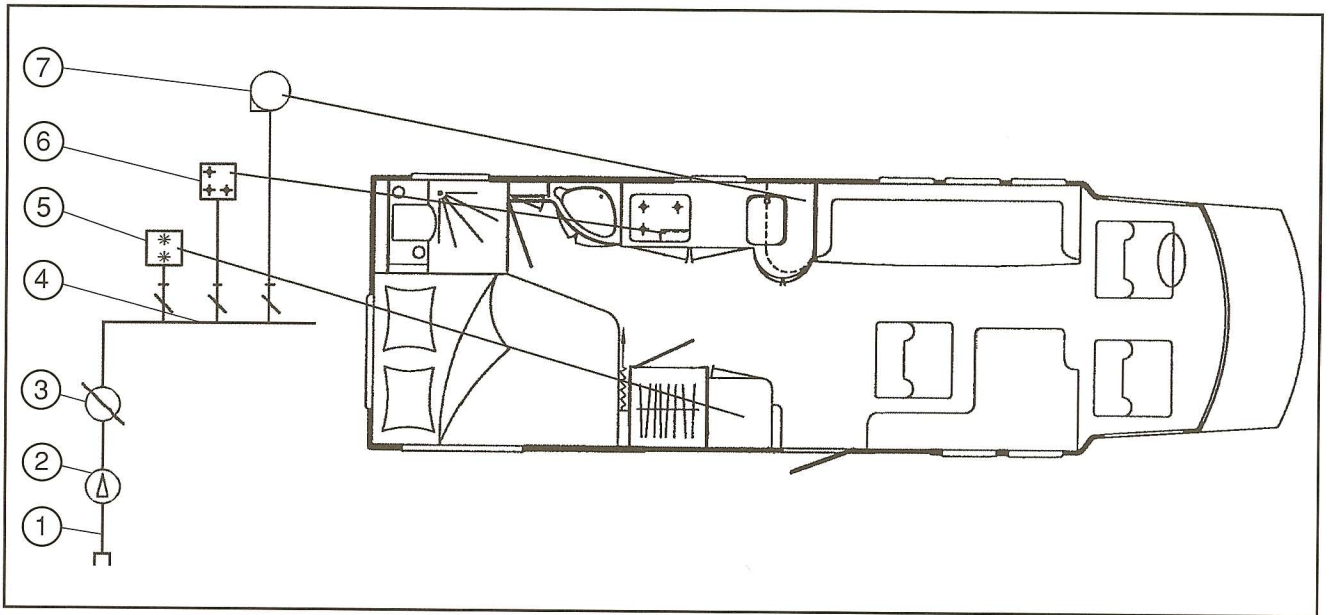
## Model 600 L / 650 Sfe



- High-pressure hose (1)
- Setting regulator with safety valve (2)
- Low-pressure regulator with cut-off (3)
- Distributor block VK 3 (4)
- Refrigerator (5)
- Cooker (6)
- Heating and boiler (7)

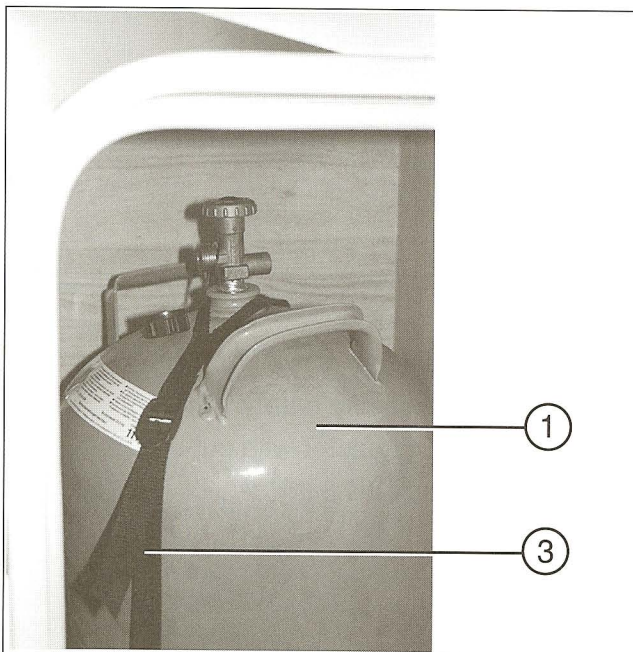


## Model 700 / 750



- High-pressure hose (1)
- Setting regulator with safety valve (2)
- Low-pressure regulator with cut-off (3)
- Distributor block VK 3 (4)
- Refrigerator (5)
- Cooker (6)
- Heating and boiler (7)

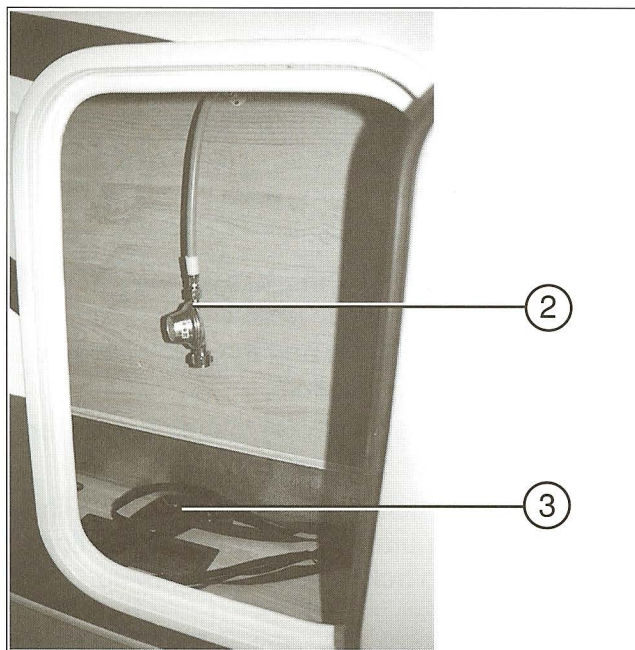
### 8.3 Gas supply



The motorcaravan is equipped with a propane gas installation (gas bottle not included in delivery). This installation fuels the following devices:

- Cooker.
- Refrigerator.
- Heating.
- Warm water boiler.
- If applicable, special extras.

## Gas bottle compartment



The gas bottle compartment holds two 11 kg bottles of propane gas (1). The bottles are connected to the supply line via a hose (2) with a safety regulator. The bottles are secured with straps (3).

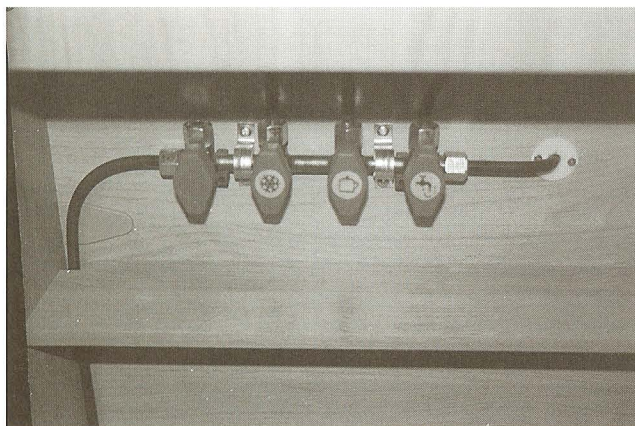
### Points to observe about the gas bottle compartment

- Before every trip, check that the gas bottles are secured.
- Tighten slack straps.
- The maximum pressure in the hose of the safety regulator (2) must not exceed 30 mbar.



Never use the gas bottle compartment as additional storage space.  
Danger of fire!

## Shut-off cocks and valves



These shut-off cocks can be used to cut off the gas supply to the corresponding device. Each cock is labelled with a sticker showing the device to which it belongs.

### Location of the gas shut-off cocks

- All important gas shut-off cocks are located behind a flap in the kitchen area.

### Points to observe with shut-off cocks and valves

- When travelling, all shut-off cocks of gas devices must be closed, with the exception of shut-off cocks for heating equipment which is to be used during the trip.



Vibration can cause slight leakage in the course of time. If you suspect a leak, have your authorised dealer or a specialised workshop inspect your gas installations.



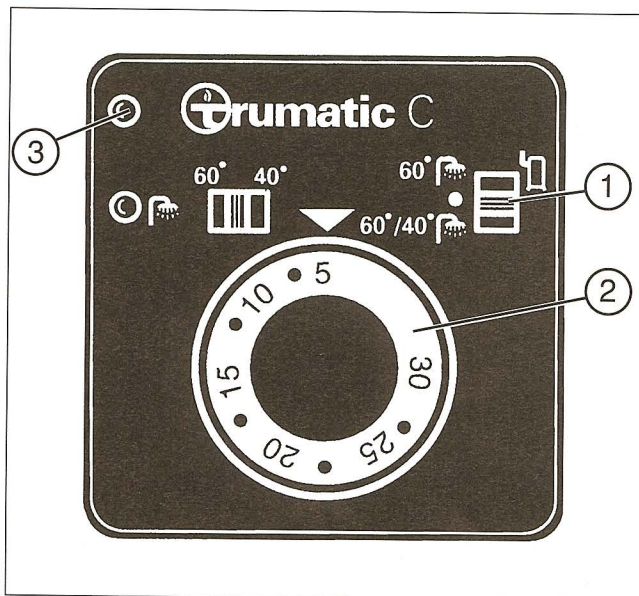
Never check for leaks with an open flame.

## 8.4 Heating

### Heating C 3402

#### Location of operating equipment

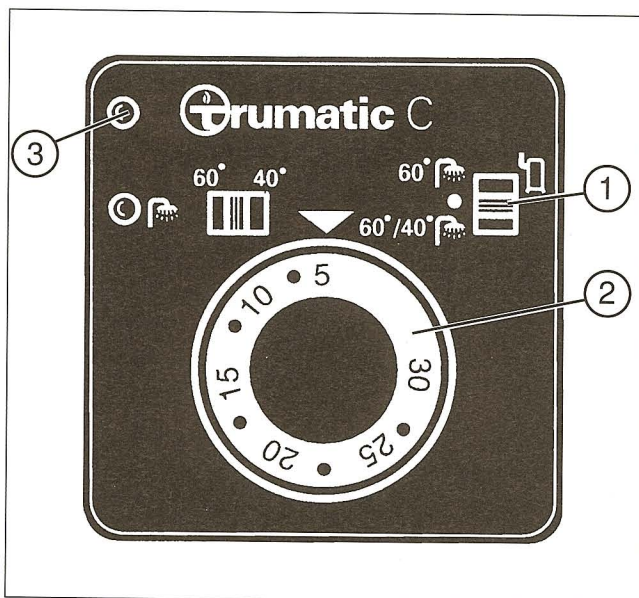
- Depending on the model, in the kitchen area or on the central seating area.



#### Operation

- Remove the chimney cover.
- Open the bottle valve and the quick-closing valve in the gas feed line.
- Push the sliding switch (1) to the position for winter operation (top position).
- Set room temperature with the knob (2). The device is in operation. The green „Operation“ indicator lamp below the knob lights up.

The device automatically selects the required burner setting ( 2000 W or 3400 W) depending on the difference between the set temperature and the current room temperature.



#### Switching off

- Set the sliding switch (1) to middle position „Off“.
- Replace the chimney cover.
- If the equipment is not to be used for some time, close the bottle valve and the quick-closing valve in the gas feed.

#### Faults

- The red indicator lamp (3) lights up continuously.  
Causes are e.g. lack of gas, lack of air for combustion, a defective fuse etc.  
The device can be enabled again once the fault has been remedied by switching it off and switching it on again.
- The red indicator lamp (3) flashes approximately once a second.  
The cause is that the operational voltage is too low.



Also refer to the manufacturer's instructions.



## Heating C 6002

Models 700, 750

Heating system C 6002 functions in the same way as system C 3402, but it has three burner settings (2000 W, 4000 W and 6000 W). Refer to 'Heating C 3402' for details of operation and functioning.

## 8.5 Refrigerator

### Operating modes

The refrigerator can be operated in three ways.

- 12 V operation: current supply from the motorhome battery.
- 230 V operation: current supply from external source.
- Liquid gas: gas bottles from the motorhome.

### 12 V operation

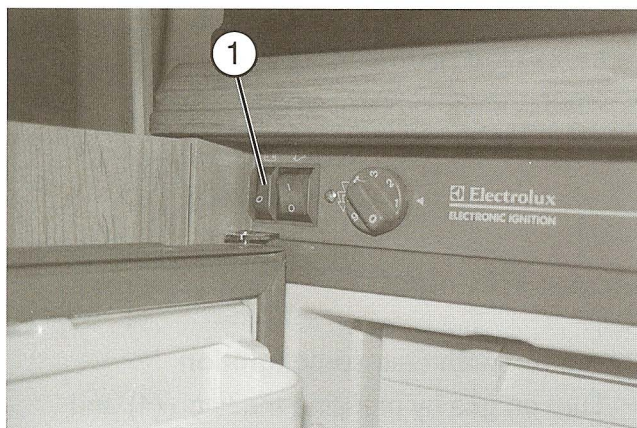
The refrigerator should only be used in 12 V operation while driving and with the engine running. Switch off the 12 V operation during breaks and long stops to prevent the vehicle battery being drained.

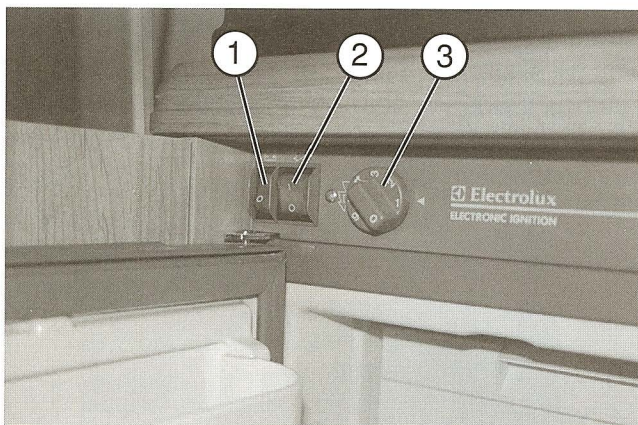


Do not operate the refrigerator with gas when travelling. Danger of explosion!

### Operation

- If necessary, switch off gas operation.
- Place flip switch (1) in position 1. If current is present, the switch lights up red.





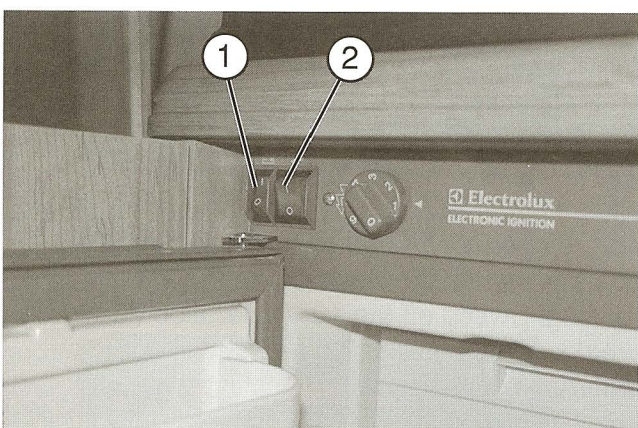
## 230 V operation

### Before operation

- Check that the voltage of the house connection or the campsite corresponds to the voltage given on the rating plate.
- If necessary, switch off gas operation.
- If necessary, switch off the 12 V operation by turning the flip switch to position 0.

### Operation

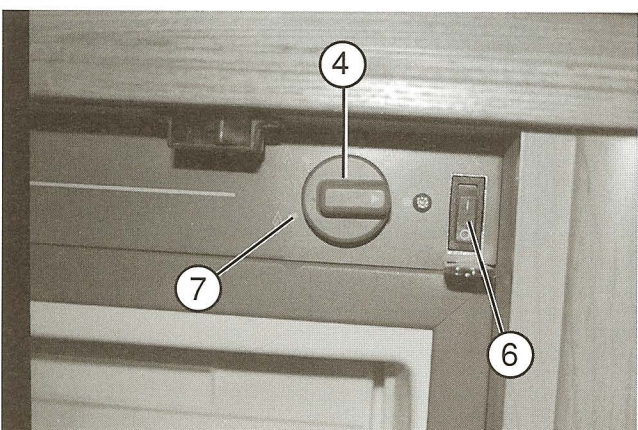
- Turn the thermostat knob (3) to the highest setting.
- Turn switch (2) to position 1. If current is present, the switch lights up green.



## Gas operation

### Before operation

- Check that the operating pressure of the gas installations corresponds to that on the rating plate.
- If necessary, switch off the 12 V operation by turning the flip switch to position 0.
- If necessary, switch off 230 V operation by turning the flip switch (2) to position 0.
- Open the bottle valve and the quick-closing valve in the gas feed line.



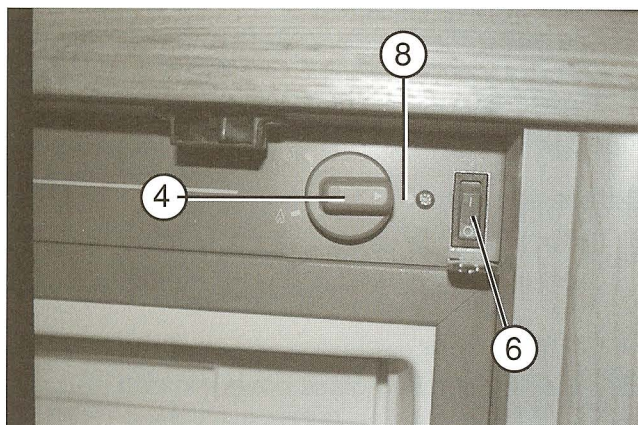
## Model RM 4261

### Operation with electronic ignition

- Turn on gas by pressing the knob (4) and turning it to the correct position (7).
- Turn the knob (5) on the thermostat to the highest setting.
- Turn on switch (6). The switch (6) flashes, indicating that ignition sparks are being generated at the burner.
- Keep the knob (4) held down so that the flame guard opens and gas flows to the burner.
- As soon as the flame is burning, spark production stops automatically. The switch stops flashing.
- Keep the knob (4) held down for another 10-15 seconds to trigger the flame guard.



If the switch starts to flash again, repeat the last three steps.



### Switching off gas operation

- Turn knob (4) to position (8) „Off“.
- Place flip switch (6) in position „0“.

## Model RM 4360

### Series 595

#### Light fitting

The light is triggered inductively via the refrigerator door.

#### Door lock

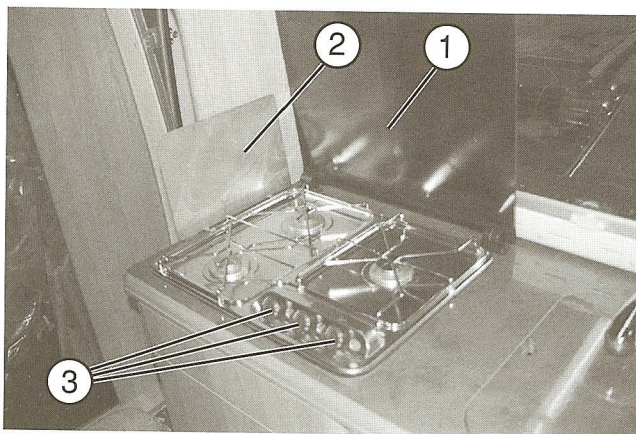
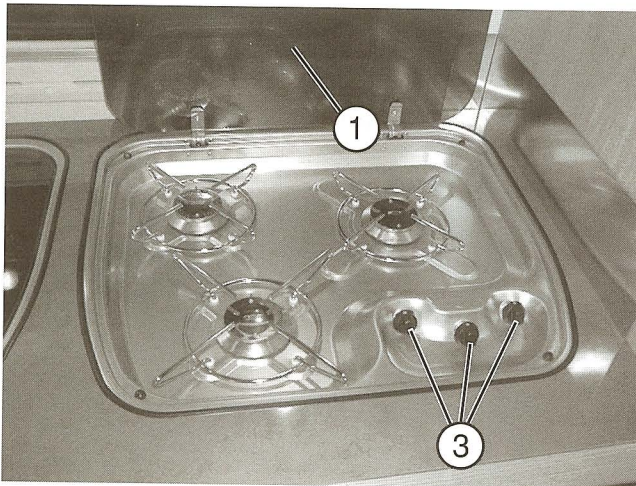
The refrigerator door lock can be set in two positions.

- Position 1: for locking the door while travelling.
- Position 2: for locking the door when the refrigerator is to be switched off for long periods.



Before setting out, check that the refrigerator door is locked.

## 8.6 Gas cooker



**Series 595: top picture**

**Series 600 / 700: bottom picture**

The motorcaravan kitchen unit is equipped with a 3-hob gas cooker.

### Before operation

- Open the bottle valve and the quick-closing valve in the gas feed line.

### Operation

- Open the smoked glass cover (1) and pull out the flame protection (2) on the side.
- Turn the knob (3) for the desired hob to ignition position (high flame) and press.
- Light burner with gas igniter or match or lighter.
- Keep knob (3) pressed down for a further 5-10 seconds.
- Release knob (3) and turn to the desired setting (high or low flame).
- If the hob does not light successfully, repeat the procedure from the beginning.
- To extinguish the gas flame, turn the knob (3) back to position 0.
- Close the gas cut-off device for the gas cooker.



Always use oven gloves or oven-cloths to handle hot pots, pans and similar objects. Danger of burns!



Leave the glass cover (1) open until the burners are not longer emitting heat. If the glass cover is closed too soon, it could crack.



Keep easily flammable objects like teatowels, serviettes etc. away from the vicinity of the cooker. Danger of fire!

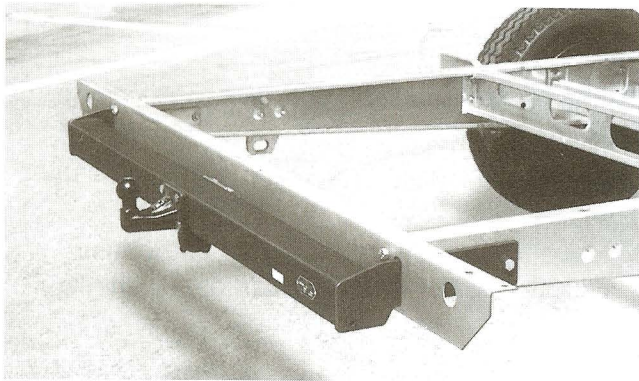


## 9 Attachments

This chapter describes only the most important attachments.

Observe the attachment manufacturers' detailed operating instructions, installation instructions and circuit diagrams.

### 9.1 Tow bar



#### Points to be observed with the tow bar

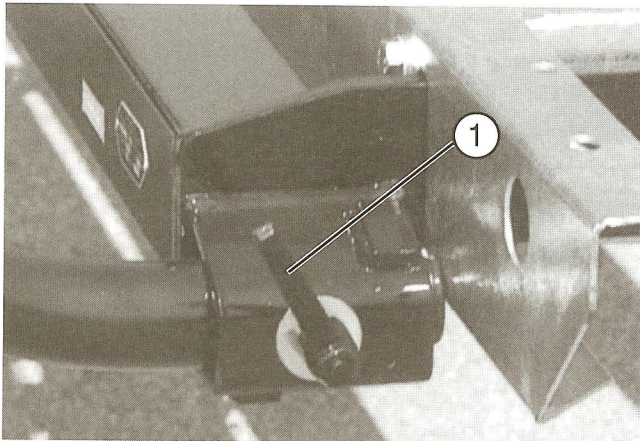
- Tow bar and motorcycle rack may not be used at the same time.
- Have fittings mounted by your authorised HOBBY dealer, who will also deal with all the formalities for you.



In addition, observe the manufacturer's operating instructions.



## 9.2 Motorcycle rack



With the motorcycle rack, it is possible to take a motorbike or a motorscooter weighing up to 130 kg with you.

### Range of delivery

- Carrier trough (3) and retaining bracket (2) with quick lock (1).
- Drive-up rail (5).
- Reversing lights and rear fog-lights (4).
- 13-pole Jaeger system plug.
- 1 set of elastic straps (6).

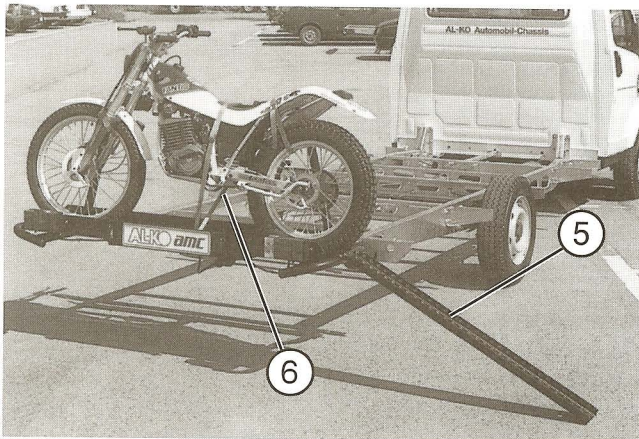


### Points to be observed with the motorcycle rack

- Motorcycle rack and tow bar may not be used at the same time.
- Have fittings mounted by your authorised HOBBY dealer, who will also deal with all the formalities for you.



In addition, observe the manufacturer's operating instructions.





## 10 Servicing and Care

### 10.1 Servicing

#### Servicing intervals

There are fixed servicing intervals for the motorhome and the installations it contains.



Also observe the servicing intervals for the original FIAT or PEUGEOT vehicle.

#### Points to be observed in connection with servicing intervals

- The first service, 12 months after first licensing, must be carried out by an authorised HOBBY dealer.
- Every further service, at intervals of 12 months, should be carried out by an authorised HOBBY dealer.
- Carry out all servicing work for the original vehicle and all fittings in accordance with the servicing intervals stipulated in the respective manufacturers' operating instructions.



The gas installations must be inspected every two years by a liquid-gas expert. The operator is responsible for ensuring that inspection is carried out punctually.



Replace the safety gas regulator after 6 years at the latest!

### 10.2 Ventilation

Sufficient airing and venting of the interior of the vehicle is absolutely necessary to ensure comfort. In addition, this helps to avoid corrosion caused by condensation.

### Condensation arises

- in small rooms.
- through the breath and transpiration of the inhabitants.
- when damp clothes are worn into the motorhome.
- when the gas cooker is being used.



Ensure that there is a sufficient exchange of air to prevent corrosion caused by condensation!

## 10.3 Care

### Cleaning the outside

The vehicle should not be washed more often than necessary.



The vehicle should only be washed in the special facilities provided for this purpose.



Use cleaning agents as sparingly as possible. Aggressive substances, e.g. wheel rim cleaner, are a burden on our environment.

### When washing the outside of the vehicle

- Rinse off the vehicle with a weak jet of water.
- Wash the vehicle with a soft sponge and a solution of normal car shampoo, rinsing the sponge frequently.
- Then rinse with plenty of water.
- Rub the vehicle dry with a chamois.
- After washing, leave the vehicle in the open for quite a long time to allow it to dry completely.



Dry headlights and lamp sockets carefully, as water often accumulates here.

### Points to be observed in connection with wax

- Occasionally treat the paintwork with wax, observing the wax manufacturer's instructions. We recommend that you use products from VALMA, Turtle, Flash and System.



### Points to be observed on polishing

- In exceptional cases, it may be necessary to polish up weathered surfaces. We recommend solvent-free polishing paste.



Polishing should only be carried out in exceptional cases and not too often, as the top layer of paint is removed when polishing. So if the vehicle is polished too frequently, great wear is produced.

### For soiling with tar and resin

- Remove tar or resin and other organic soiling with benzine or meths.



Never use aggressive solvents such as those containing ester or ketone.

### In the event of damage

- Repair damage immediately to prevent further damage due to corrosion. Please consult your authorised Hobby dealer here.

## Windows and doors

### To look after windows and doors

- Rub a little talcum into door and window seals.
- Acrylic glass windows should be cleaned wet with a clean sponge and a soft cloth. Cleaning the windows in dry condition could cause scratching.



Never use strong and aggressive cleaning agents containing softening agents or solvents!



Talcum is available from reputable dealers in automobile accessories.

## Cleaning the inside

### For chair and upholstery covers and curtains

- Clean chair covers with a soft brush or a vacuum cleaner.
- Heavily soiled upholstery covers or curtains should be dry-cleaned. Do not wash them yourself!
- If necessary, clean carefully with the foam produced by a mild detergent.

### For carpets

- Clean with a vacuum cleaner or a brush.
- If necessary, treat with carpet foam or shampoo it.

### For furniture surfaces

- Clean wooden fronts with a damp cloth or sponge.
- Rub dry with a soft, lint-free cloth.
- Use gentle furniture cleaning products.



Never use scouring agents or intensive furniture treatments, as these can scratch the surfaces!

### For the toilet compartment

- Clean with a neutral liquid soap and a non-scouring cloth.



Never use scouring agents in the toilet compartment either!

### For the enamel sink

- Clean the enamel sink with normal household cleaners.

## Attachments

### To look after windows and doors

- Plastic parts (e.g. bumpers, aprons), clean with warm water ( up to 60°C) and a household cleaning agent.
- Clean greasy or oily surfaces with meths.
- If necessary, grease the door hinges and stabilisers.
- Clean the fresh water pipes, the fresh water tank and the waste water tank once a year.



Never use scouring agents, as they may scratch these surfaces!



After completing all these tasks, remove all spray cans with cleaning or care agents from the vehicle! Otherwise, there is a danger of explosion at temperatures over 50°C!



## 10.4 Use in winter

### Preparation

#### The following preparation is necessary

- Inspect the vehicle for damage to the paintwork and rust. Repair if necessary.
- Ensure that no water can penetrate the blown air ventilation in the floor or the heating system.
- Protect the metal parts of the underflooring against rust with a wax-based protective agent.
- Protect outside paintwork with suitable agents.

### Use in winter

In winter, condensation arises because the vehicle is inhabited at low temperatures. To ensure good air quality and prevent damage to the vehicle through condensation, it is very important to ensure adequate ventilation.

#### With reference to ventilation

- In the heating-up phase, turn the heating of the vehicle up to its highest level and open ceiling cupboards, curtains and blinds, ensuring an optimum exchange of air.
- Only heat with the air circulation turned on.
- In the morning, lift all cushions, air all storage compartments and dry any damp spots.



If condensation should form in spite of this, simply wipe it away.

#### Protection against frost

If the interior is heated adequately, there should be no danger of the fresh water tank, the water pipes or the boiler freezing.

#### With reference to the waste water tank

- If temperatures fall very low, mix anti-freeze or salt with the waste water.
- Collect waste water outside the vehicle.
- Keep the drain from the waste water tank open.

---

## After the winter season

### To look after windows and doors

- Wash the underneath of the vehicle and the engine thoroughly to rinse away thawing agents (salts, leaches) which may cause corrosion.



Only wash the vehicle in facilities provided for this purpose.

Use cleaning agents as sparingly as possible. Aggressive cleaning agents (e.g. wheel rim cleaners) damage the environment.

## Shutting down for winter

### In general

- Only park the motorcaravan in a closed room if this room is dry and easily ventilated. Otherwise it is better to park it in the open.

### With reference to the interior fittings

- Empty and clean the refrigerator, leave the refrigerator door open.
- Leave storage compartments and cupboards open to air.
- Stand mattresses and cushions so that they cannot come into contact with condensation.
- If necessary, heat the motorcaravan through to prevent mould caused by condensation.
- Keep the interior of the vehicle dry with three kg of salt in a bowl. The salt absorbs the moisture. It should be replaced frequently.
- Disconnect batteries, ideally remove them and check their charging status once a month. If necessary, recharge.
- Turn off 12 V main switch.



### **With reference to the outside extension and the original vehicle**

- Protect outside paintwork with suitable agents.
- Protect the metal parts of the underflooring against rust with a wax-based protective agent.
- To ease the load on the tyres, jack the vehicle up slightly or move it slightly every two months.
- Leave a cavity between the vehicle and covers to allow the air to circulate.
- Leave the ventilation apertures open.
- Thoroughly air the motorcaravan every three to four weeks.
- Check the frost protection in the engine cooling system, top up anti-freeze if necessary.

### **With reference to containers**

- Empty and clean fresh water tank by means of pump, if necessary using the drain plug.
- Empty and clean waste water tank.
- Empty and clean toilet tank.
- Completely empty the warm water boiler. To do so, switch the switch for the fresh water pump on the on-board control centre to „OFF“ and turn on all water taps.
- Ensure that no water can penetrate the blown air ventilation in the floor or the heating system.



Also observe the information and the instructions provided by the manufacturers of the fittings.

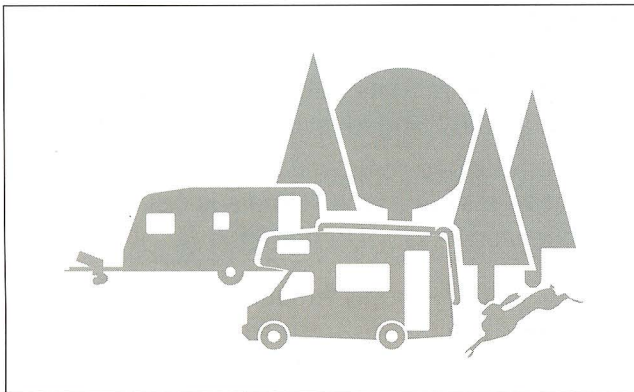




# 11 Waste disposal and environmental protection

## 11.1 The environment and caravanning

### Environmentally-friendly use



The drivers of motorhomes and caravanners naturally bear a particular responsibility for the environment. They should always use their vehicles in a way which is eco-friendly.

### Examples of environmentally-friendly behaviour are

- Maintaining the peace and purity of nature.
- Disposing of waste water and faeces in an orderly manner.
- Setting a good example to ensure that motorhome owners and caravanners are not generally labelled polluters of the environment.



### With reference to waste water

- On board, only collect water in built-in waste water tanks or if necessary in other suitable receptacles!
- Never dispose of waste water in the countryside or down drains. Water going down road drains normally does not pass through a sewage plant.
- Empty the waste water tank as often as possible, even if it is not yet full (hygiene). If possible, always rinse waste water tank with clean water after emptying.



Only empty your waste water tank at the special waste water disposal points provided for that purpose. Never empty them in the countryside! You will normally find waste disposal stations at motorway service stations, on campsites or in filling stations.



### With reference to faeces

- Only pour permissible sanitary liquids into the faeces tank.



If necessary, an active-carbon filter system (from equipment dealers) can be installed so that sanitary liquids are no longer needed!



Use sanitary liquids very sparingly. Using excessive amounts is no guarantee that the tank will not smell!

### Disposal

- Never allow the faeces tank to become too full. Empty the tank frequently, at the latest as soon as the filling level display lights up.
- Never dispose of faeces down drains! The waste water from road drains is not usually processed in sewage plants.



Only empty faeces tanks in the special facilities provided for this purpose, and never in the countryside!



### With reference to rubbish

- Separate your rubbish and put recyclable waste in the appropriate containers.
- Empty waste bins as often as possible into the cans or containers provided for this purpose. This helps to avoid unpleasant smells and an accumulation of rubbish on board.

### With reference to picnic areas

- Always leave picnic areas clean, even if it means clearing away someone else's litter.



Taking care of the environment is not only good for Mother Nature, it is also in the interests of all motorhome drivers and caravanners!



# 12 Technical data

## 12.1 Technical data sheet

Type	Wheelbase	Length *1	Width	Height	Standing room (inside)	Berths	Permissible total weight	Unladen weight	Loading possibility	Permissible towing load braked
	mm	mm	mm	mm	mm		kg	kg (ca.)	kg (ca.)	kg
545 M	2850	5510	2280	3020	2000	4	3400	2810	590	1600
595 CM	3273	5990	2280	3020	2000	4	3400	2990	410	1600
595 KM	3273	5990	2280	3020	2000	4	3400	3010	390	1600
595 SM	3273	5990	2280	3020	2000	4	3400	3000	400	1600

Type	Wheelbase	Length *1	Width	Height	Standing room (inside)	Berths	Permissible total weight	Unladen weight	Loading possibility	Permissible towing load braked
	mm	mm	mm	mm	mm		kg	kg (ca.)	kg (ca.)	kg
600 (B) 600 FS	3445	6130	2250	2600	1900	4	3400	2790	610	1600
600 (C) 650 FS	3920	6780	2300	2760	1930	4	3400	2880	520	1400
600 (C) 650 FSe	3920	6780	2300	2760	1930	4	3400	2880	520	1400
600 (D) 650 FS	3920	6780	2300	2850	1950	4	3400	2880	520	1400
600 (D) 650 FSe	3920	6780	2300	2850	1950	4	3400	2880	520	1400
700 (C) 750 FMSe	4223	7850	2300	2790	1930	5	4500	3270	1230	1200 *1

\*1: At a maximum total weight of 4000 kg.



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