



Dear Motor Home Owners,

We would like to congratulate you on the purchase of your new HOBBY motor home and hope that you will always enjoy traveling with it.

Please read this manual carefully, even if you have been driving a motor home for a long time. It will help you to avoid operating errors and damage to the vehicle and its equipment. Correct handling of all technical details will increase your driving comfort and maintain the value of your motor home.

We wish you and your companions many enjoyable trips and hope you always have a safe journey.

Yours

HOBBY Motor Home Plant
Ing. Harald Striewski GmbH

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Chapter 1: Introduction

Our motor homes are continuously being further developed and for this reason we must reserve the right to make changes to the equipment, shape and technology. Certain kinds of accessories are also described in this user manual that are not part of the standard scope of delivery. For this reason, no claims may be asserted against HOBBY based on the contents of this user manual. Those accessories that are available at the time of going to print are described here. They have been applied on a par for all floor plans. Please note that it was not possible to describe all of the individual variations here. If you have any special questions concerning accessories or the technology of the vehicle, your dealer will be happy to answer them.

1.1 General information

Your HOBBY motor home has been built in accordance with the latest technology and approved safety regulations. Despite all precautionary measures, however, it is possible that passengers may be hurt or the motor home damaged if the safety instructions in this user manual and the warning stickers placed throughout the motor home are not observed. Please use the motor home only when it is technically in top condition. Any defects that affect the safety of passengers or

the motor home should be remedied immediately by trained personnel.

The brake system and the gas system should only be checked and repaired by an authorised workshop.

Please ensure that all of the deadlines for checking equipment and inspections are met.

1.2 Before taking your first drive

Please do not consider this manual to be just a means of reference, but familiarize yourself thoroughly with it before taking your first drive.

Fill out the guarantee cards in the different manuals for the installed equipment and fittings and send them to the manufacturers. This will ensure guarantee claims for any of the equipment.



In accordance with guarantee conditions, HOBBY's dealer will give you a 5-year guarantee on the consistency of the motor home. Your dealer will give you a guarantee booklet, "5 Years' Guarantee on Consistency" when you pick up your vehicle.



Note: If a consistency test has not been carried out, you will forfeit any claims for a 5-year guarantee on consistency.

Please note the following before operating the vehicle:

- **Check the tyre pressure.**
Please refer to the section on tyre pressure
- **Load the vehicle correctly. Keep to the technically permissible overall mass.**
Please refer to the section on loading.
- **Charge up the batteries fully before each journey**
Please refer to the section on the starter battery.
- **If the temperature outside is below 0° C, heat the vehicle before filling up the water system.**
Please refer to the section on water supply/filling the fresh water tank.
- **Tighten the wheel nuts after having driven the first 50 km.**
- **Switch off all fitted devices that operate on gas before filling the petrol tank.**
- **Tightly strap gas bottles in the gas bottle box during transportation.**
- **When camping in winter, heat the vehicle at night if there is danger of frost.**
Please refer to the section on operating in winter/heating.
- **Keep compulsory ventilation clear.**
Please refer to the section on windows/roof fan/airing.
- **When the vehicle is not in use, empty the entire water system and leave the water faucets open in a neutral position. This prevents the water system from being damaged by frost.**
Please refer to the section on emptying the water system.

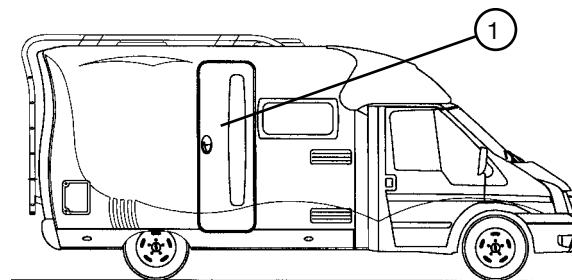
1.3 Designations in the operating instructions

This manual explains the motor home in the following manner:

Texts and illustrations

Texts that refer to illustrations are found directly below the illustrations.

Details in illustrations (here: entrance) have been given item numbers (1).



Lists

Lists are given in the form of key words and shown as bullet points using “-“.

Handling instructions

Handling instructions are also given in the form of key words beginning with the symbol “●”.

Notes



Notes point out important details that ensure your motor home and its fittings will function perfectly. Please remember that there may be some differences in description to the various kinds of equipment that can be supplied.

Warnings



Warnings make you aware of dangers that may lead to material being damaged or even people being hurt if they are not observed.

Environmental Tips



Environmental tips give you possibilities for lessening the impact on the environment.

Chapter 2: Safety

2.1 General information

- Ensure that there is sufficient ventilation. Never cover built-in compulsory ventilation (skylights with compulsory ventilation or roof fan). Keep compulsory ventilation free of snow and leaves - danger of suffocation!
- Operating and user instructions for built-in equipment (refrigerator, heating, cooker, etc.) as well as for the basic vehicle must be observed at all times.
- If accessories or optional equipment is to be installed, this may change the measurements, weight and road performance of the engine home. Some accessories must be registered and entered in the vehicle's papers.
- Use only tyres and rims that have been approved for your engine home. Please refer to the vehicle's registration papers for information on tyre and rim sizes.

2.2 Fire protection

Precautions against fire

- Never leave children alone in the vehicle.
- Keep inflammable materials away from all heating and cooking devices.
- Any changes to the electric system, accelerator system or built-in devices may only be carried out by an authorised workshop.
- Install a fire extinguisher next to the main entrance.
- Store a fire blanket near the cooker.
- Do not block any escape routes.
- Familiarise yourself with all safety measures set up on the property.

Fighting fire

- Immediately evacuate all passengers.
- Close the main stop valve on the accelerator cylinder and the accelerator stop valves for the consumer loads.
- Turn off the electric supply.
- Sound the alarm and call the fire department.
- Only fight the fire yourself if you can do so without risk.

2.3 Road safety

- Before driving, check that the signal and light equipment, steering and brakes all function properly.
- If the vehicle has been standing for a longer period of time (approx. 10 months) have an authorised workshop check the brake system and the accelerator system.
- Completely open and fasten the dimming system on the front and side windows.
- While moving all passengers must be secured with seat belts and may not move around in the vehicle.
- In winter, the roof must be cleared of snow and ice before driving.
- Regularly check the tyre pressure before driving. False tyre pressure can cause excessive wear, damage to the tyres or even lead to a burst tyre.
- Child seats may only be mounted on seats that have a three-point seat belt installed by the factory.
- Turn the reversible seats in the direction of travel and lock them. The seats may not be turned while driving.

2.4 What to observe before taking your first drive

Vehicle registration

Every vehicle that drives on public roads must be registered. This also applies to your new engine home. Apply for registration at your local Driver and Vehicle Licensing Agency.

You must show the following when applying for registration:

- registration document, Part II
- insurance coverage
- proof of personal identity or confirmation of registration by a local authority
- if applicable, power of attorney to register the vehicle.

General inspection

In common with passenger cars new engine homes with a permissible total weight up to 3.5 tonnes do not have to undergo a general inspection for the first three years after initial registration. After this they must undergo a general inspection every two years. Engine homes weighing between 3.5 and 7.5 tonnes must undergo a general inspection every two years during the first six years following initial registration. After this a general inspection must be carried out every year.

The general inspection can be carried out by the German Technical Surveyance Association (TÜV), the German Engine Vehicle Surveyance Association (DEKRA) or an officially approved expert.

For each general inspection you must show the following:

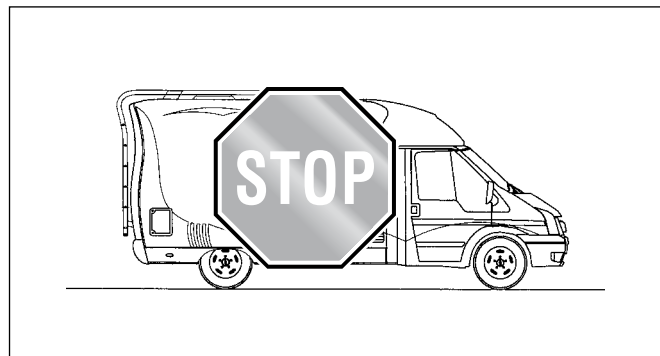
- registration document, Part I
- Valid accelerator test certificate for accelerator installation. The initial certificate will be given to you by your dealer.



Any changes made to the vehicle that underlie German Road Traffic Licensing Regulations must be officially authorised!



If you have any further questions or difficulties, your authorised Hobby dealer will always be available to assist you!



2.5 Before and while driving

As the owner / driver of the vehicle, you are responsible for the state of the vehicle. Please observe the following points:

Preparing the vehicle

Check the exterior of the vehicle and carry out the following preparations before driving:

Preparing the vehicle

- If the levelling supports have been extended, retract them.
- Close all the windows in the engine home as well as skylights in the roof.
- Retract the entrance step.

- Close and secure the entrances to the engine home and the service flaps
- Close the tap for the waste water tank.
- Close all taps and quick-action stop valves for accelerator devices. The only exception is for the heating if this should be used while driving.
- If necessary remove the 230 V electric cable from the exterior socket.
- If necessary retract the TV aerial as far as possible or fold down the satellite dish.
- If necessary secure any loads on the roof ensuring that they cannot slide.
- If necessary secure bicycles; ensure that they cannot slide and check that the existing lighting systems are not covered.
- If necessary turn off the light in the tent in front of the engine home.

Interior

Some preparations must also be carried out inside the mobile home.

Preparing the interior

- Sort loose objects and stow them in the compartments.
- Place heavy objects in the lower compartments.

- If necessary switch the refrigerator to 12 V operation.
- Ensure that no liquids, including those in the refrigerator, will leak.
- Secure accelerator cylinders.
- Fold down and secure the table.
- Turn off interior lights.
- Close doors (including refrigerator door), drawers and flaps firmly.
- Heavy and/or voluminous objects (e.g. TV, radio) must be secured before driving.
- Brace the safety device for the table.
- Completely open and secure the optional cockpit dimming system.



Do not overload the vehicle! It is imperative that you not the permissible axle loads, the technically permissible overall mass as well as the permissible height, width and length of the mobile home.



Place a not with all important measures and weights in a visible place in both the caravan and the driver's cabin.

Driver's cabin

Do not forget the following:

- Adjust the interior and exterior mirrors as well as your seat.
- Check the lights.

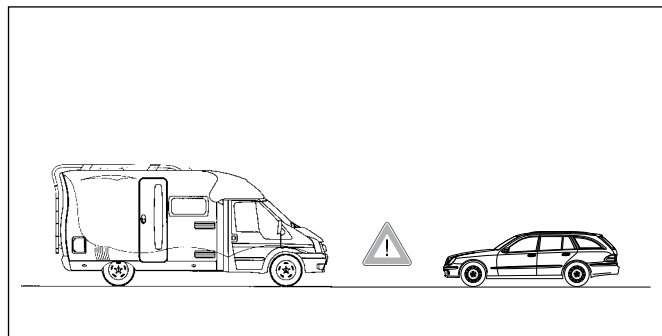
In addition:

- Check your tyre pressure.
- Check all liquids, such as oil, cooling water, brake fluid and windscreen cleaning liquid, and fill them up if necessary.
- Turn off all accelerator devices (heating, refrigerator, etc.) before putting petrol in the tank.

Before driving off

Before you drive off you should be able to answer the following questions with “yes“:

- Is there a first-aid kit; a warning triangle and a warning jacket on board?
- Are all the lights working (headlights, dipped headlights, brake lights and indicators)?



2.6 Notes for your journey

Your mobile home is not an automobile!

In many situations, it reacts very differently to a “normal“ automobile. Therefore, you should be prepared for the following differences:

Loading

The following applies for loading:

- Load evenly. Heavy or bulky objects should be placed in the lower compartments!
- In the interior, store luggage in cupboards and compartments.
- Secure all doors and flaps.

- After you have finished loading, check the overall weight on a public scales.

Roof load (50 kg maximum)

The height of the mobile home may vary from one journey to the next due to different roof loads.

The following applies for roof loads:

- Add the measurement of the roof load to the height of the mobile home.
- Place a not visibly in the driver's cab giving the overall height. This saves having to calculate the height when driving under bridges and through tunnels.

Rear garage

When loading the rear garage adhere to the permissible axle loads and the technically permissible total mass. Distribute payload evenly. Excess point loads will damage the floor covering.



- The maximum permissible load for the rear garage is 200 kg.
- On no account should the permissible rear axle load be exceeded.
- Due to load removal on the front axle, it is considerably more difficult to handle the vehicle when the rear garage is fully loaded.

Passenger safety

The following applies while driving:

- Only those seats equipped with safety belts may be used by passengers.
- While driving, passengers may not stay in the alcove or the beds.
- Passengers must remain in their seats with their seat belt on!
- Do not open the door latch!
- No extra passengers may remain in the vehicle!

Braking

The following applies for braking:

- Not the longer braking distance, especially on wet roads.
- When driving downhill, select a gear that is not higher than when driving uphill.

Reversing/Manoeuvring

Your engine home is far larger than a car.

The following applies to reversing/manoeuvring

- Even if the wing mirrors are correctly adjusted there is a significant blind spot.
- When reversing or parking in places with poor visibility get help to guide you in.

Driving

Take a trial drive before leaving on your first large journey in order to familiarize yourself with the mobile home. Remember to practise reversing. The base vehicle is a commercial vehicle; adjust your driving style accordingly.

The following applies for driving:

- Do not underestimate the length of the engine home. Due to the relatively long rear overhang larger vehicles can veer to one side and, in unfavourable conditions, the rear can hit the ground.
- Be careful when driving into inner courtyards and through entrance gates.
- The mobile home may start to swing from side to side in cross-winds, on wet or icy roads.
- Adjust your speed to road and traffic conditions.
- Long descents with a slight gradient can become dangerous. Adjust your speed from the very beginning to allow you to speed up if necessary without endangering other automobiles.
- As a general rule, never drive faster downhill than uphill.
- The mobile home may be caught up in a slipstream when overtaking or being overtaken by lorries with trailers or buses. This effect is counteracted by lightly counter-steering.

Driving around corners

Due to its height, a mobile home begins to sway more quickly than an automobile.

The following applies for driving around corners:

- Never drive too quickly into a corner!

Driving economically

The engine of your mobile home has not been designed to drive constantly under a full load.

The following applies when driving:

- Do not keep your foot down on the accelerator!
- The final 20 km/h before reaching top speed require up to 50 % more fuel!

Getting petrol

A number of devices that use an open flame have been built into your mobile home.

The following applies when getting petrol:

- Turn off all accelerator devices (heating, refrigerator, etc.)!
- Turn off all mobile phones!
- Never get anything other than diesel fuel.
- Never mistakenly fill the fresh water tank with fuel.



2.7 Tools on board

The jack, nut wrench and crank are located in a storage compartment in the step on the right-hand side of the vehicle.

2.8 Emergency equipment

To be prepared in case of an emergency, you should always carry the three emergency devices on board and familiarize yourself with them.

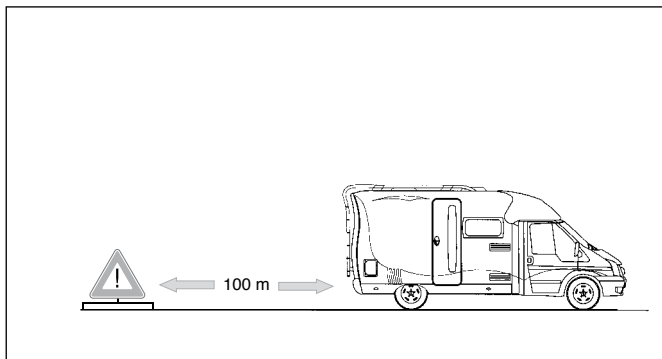
First-aid kit

The first-aid kit should always be at hand and have a fixed position in your mobile home. Any objects removed from the first-aid kit should be replaced immediately. Expiry dates should be checked regularly.

Reflective jacket (not included in scope of delivery)

In acc. with EN 471, we recommend that you carry and wear a reflective jacket with white retro-reflective stripes whenever you leave the vehicle on open roads and emergency strips. The driver should wear this jacket when the vehicle

- comes to a stop outside city limits on an obscure rural road because of an accident or breakdown, if the view is poor due to bad weather, in twilight or darkness, or
- when it must be secured by means of a warning triangle on the emergency strip of the engineway because of an accident or breakdown.



Warning triangle

The warning triangle should also always be at hand and have a fixed position in your mobile home, preferably together with the first-aid kit.

In an emergency

- Set up the warning triangle at least 100 m in front of the danger zone!

2.9 When you stop driving

Selecting a parking space

The following applies for selecting a parking space:

- Select a parking space that is as level as possible.
- If possible, pick your spot in daylight.

Securing the vehicle

The following applies when securing the vehicle:

- Put the vehicle in gear.
- Pull on the handbrake.
- If necessary, extend extra vehicle supports.
- If necessary, use blocks (not in scope of delivery).



If the temperature is below 0°C only put the handbrake on lightly and ensure that the vehicle is in gear to prevent the handbrake from freezing up!



When turning the driver's seat, ensure that you do not accidentally disengage the handbrake.

Switching electric consumption:

The following applies when switching electric consumption:

- Switch the refrigerator from 12 V to accelerator or 230 V. Otherwise, if the engine is not on, the 12 V electrical supply will automatically turn itself off after a few minutes.
- Open the main stop valve on the accelerator cylinder and the accelerator stop valve on the consumer required.

Water system

Empty the entire water system if the vehicle is not heated when there is danger of frost. Leave the water faucets as well as all drain valves open to prevent damage from frost.

Water that has been left to stand in the fresh water tank or water pipes quickly becomes undrinkable. Therefore always flush the water pipes thoroughly with several litres of fresh water before using them.

Saving energy in winter

It is very easy to save energy inside your mobile home. This applies especially to heating in winter.

The following applies for saving energy:

- Meter the exact use of ventilation in the vehicle and the heating valve.
- Install winter mats on the inner sides of the driver's cabin and the windscreen (not included in scope of delivery).
- Install an insulation mat between the driver's cabin and the caravan (not included in scope of delivery).
- Open the door as little and as briefly as possible.
- When camping in winter, it is possible to put up a small tent in front of the vehicle as protection against the cold.

Chapter 3: Chassis

3.1 Chassis

The chassis includes parts of the frame and the axles. No technical changes may be made, as otherwise the general type approval will expire!



Technical changes may only be carried out after being released by the manufacturer.



For further information, please refer to the enclosed operating instructions for the basic vehicle.

3.2 Loading



The maximum axle loads as well as the technically permissible overall mass entered in the vehicle's documents may not be exceeded.

Weights of motor homes in accordance with 92/21/EWG



Please refer to the definition of masses for motor homes!

Definition of Masses for Motor homes (2007)

Throughout Europe, EU Guideline 92/21/EWG is applicable for calculating the masses (weights) and resulting loads for motor homes. The terms and basis used for calculations are explained below.

1. Technically permissible overall mass

The figure for the technically permissible overall mass is based on information given by the Hobby Motor home Plant in co-operation with the manufacturer of the base vehicle. This mass was determined in extensive calculations and tests and, for safety reasons, it may not be exceeded under any circumstances.

2. Mass when the vehicle is ready to start

The mass when the vehicle is ready to start corresponds to the mass of the empty vehicle including lubricants, tools, spare tyre (and/or repair kit), petrol (100 %), booster battery, all of the standard equipment mounted by the factory as well as 75 kg for the driver, plus basic equipment (gas, water, electric).

3. Basic Equipment

The basic equipment includes all of the equipment and liquids that are necessary to ensure safe and proper use of the vehicle. This includes the weights of:

	Siesta			Van und Van Exclusive
	T 555 FS T 555 AK FS	T 555 AK LC T 600 ... T 650 ...	T 650 ... Ablastung 3500 kg	T 500 GFSC T 500 GESC
a) Supply of liquefied petroleum gas				
No. of 11 kg gas bottles	1	2	2	2
No. of 5 kg bottles	1	-	-	-
Weight of an 11 kg aluminium bottle	5,5	5,5	5,5	5,5
Weight of a 5 kg steel bottle	6,0	-	-	-
Weight of 11 kg gas inflation (90 %)	9,9	9,9	9,9	9,9
Weight of 5 kg gas inflation (90%)	4,5	-	-	-
Total:	26 kg	31 kg	31 kg	31 kg
b) Liquids				
100 l fresh water tank (90 %)	90	90	-	90
10 l fresh water tank (90 %)	-	-	9	-
Total basic equipment:	116 kg	121 kg	40 kg	121 kg

4. Loading

Loading corresponds to the difference between the "technically permissible overall mass" and the "mass when the vehicle is ready to start". This value must take into consideration the masses for passengers (conventional load: 75 kg x no. of seats, driver excepted), additional equipment and personal belongings.



Check to ensure that the masses of all objects transported in the motor home have been taken into consideration, e.g. passengers, additional equipment, basic equipment and personal belongings such as clothes, food, pets, bicycles, surfboards, other sport equipment, etc.).



Under no circumstances may the technically permissible total load be exceeded when the motor home has been loaded.

The mass when the vehicle is ready to start includes an additional value for liquids and gas, etc. (see basic equipment). Part of this additional value can also be used for additional loads if, for example, you would like to travel with empty water tanks or without gas bottles.

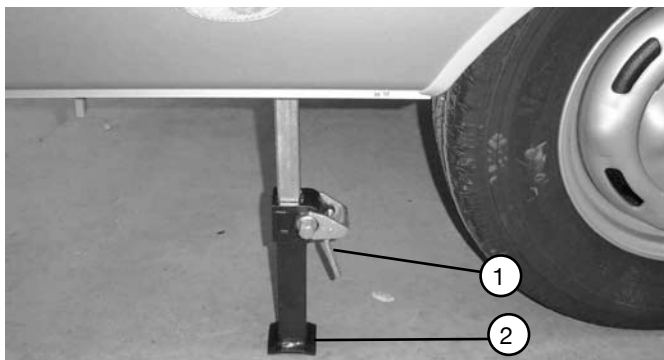
5. Reduced load capacity for T 650 to 3500 kg



Before driving, you must open the overflow valve for the fresh water tank.

To reduce the weight when the vehicle is ready to start, the fresh water tank has been fitted out with an overflow valve, located to the right in the seat and marked with a warning sign. Before you begin driving, open the overflow valve. The contents of the fresh water tank will run off until, for weight reasons, only approx. 10 litres are left. When the vehicle is standing, the valve can be closed, allowing you to use the full volume of the tank.

A reduced fresh water supply when the vehicle is ready to start has been entered in the vehicle's registration papers. The motor home may only be operated on public roads when the overflow valve is open. The driver is responsible for ensuring that this requirement is fulfilled as well as for observing the technically permissible total weight.



3.3 Levelling supports

Levelling supports, standard design

The levelling supports are located at the rear of your motor home.

Swinging out the levelling supports

- To swing out the levelling supports, press fork (1) and pull towards hinge.
- Swing out levelling supports.
- If necessary, secure levelling supports from caving in.
- Place levelling support upon base (2).
- Use the crank to even out the levelling supports until the vehicle is in a level position.

Retracting levelling supports

- Use crank to release levelling supports.
- Retract levelling supports.
- To lock levelling supports, press fork (1).



3.4 Entrance step

Your motor home has an electric entrance step (1).

Use the switch on the inside, next to the entrance door to activate it.



Do not step on the entrance step until it has been completely extended!



Mind the different heights of the steps and ensure that the ground in front of the entrance is firm and level.

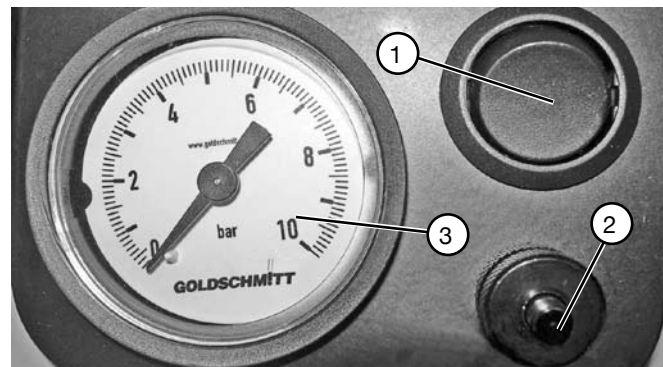


After a slight delay the step will automatically be retracted when the engine is started.



3.5 Vehicle Identification Number (VIN)

The 17-digit Vehicle Identification Number is engraved in the right front side wheel arch. To improve readability the VIN is repeated on a label to the left of the instrument panel and is legible from outside the vehicle. In addition to this, the VIN is given on both the Ford model plate (on the B-pillar, passenger side) and on the Hobby model plate (in the engine compartment, at the front on the radiator bridge). Please have the VIN to hand when making any enquiries and on every visit to your dealer.



3.6 Additional pneumatic springs

Additional pneumatic springs on the rear axle (optional extra) provide a significant improvement to the motor home's road handling and complement the standard suspension. The air bellows lift the vehicle's tail as required.

The compressor is activated from the driver's cabin operating panel using the On/Off button (1), thereby filling the bellows with air. The manometer (3) can be used to provide continuous information regarding the current pressure in the system. Should excess pressure occur the excess air can be released from the system using the ventilation button (2).

The optimum air pressure is achieved when the vehicle is standing horizontally. The minimum air pressure must be high enough to ensure that the air bellows cannot snap through. When the vehicle is empty this pressure is approx. 0.5 bar (please check individually); when the vehicle is loaded the value will be correspondingly higher, depending on the loading.



The maximum permissible operating pressure of the system is 4.0 bar.

In order to avoid damage to the air bellows during maintenance work they should be checked for any accumulation of waste or dirt and, if required, cleaned.



The following cleaning agents are approved for cleaning the air bellows: soap suds, methanol, ethanol and isopropanol.

3.7 Towing fixture

As an optional extra your motor home can be equipped with a fixed tow bar. Please see the registration documents for information concerning the tow bar load and the rear axle load.



Adhere to the permissible tow bar load and rear axle load, in particular in conjunction with loading of the rear garage.

Simultaneous use of the towing fixture and the rear load carrier is not permitted.

While manoeuvring to hitch and unhitch loads, ensure that no-one is standing between the motor home and the trailer.



Due to stipulations by the manufacturer of the basic vehicle and the fixing of the so-called D value of the towing fixture no additional loading of the towing loads is possible.

3.8 Externally mounted fixtures

Registering accessories in the vehicle's documents

- Have your HOBBY dealer mount your externally mounted fixtures.
- Drive your motor home to the Technical Surveyance Association (TÜV).
- The TÜV will survey your externally mounted fixtures and draw up an appropriate expertise.
- Take the expertise and the registration documents, Parts I and II, to the Driver and Vehicle Licensing Agency. They will copy the changes into the vehicle's documents.



Do not forget that towbar couplings, motorcycle carriers, levelling devices and/or additional spring blades must be registered.



Please note that mounting additional equipment reduces the load your motor home can carry.

Chapter 4: Wheels, tyres, brakes

4.1 Wheels

On your first drive with your motor home, please check that your tyre bolts are still securely tightened after having driven 50 km and, if necessary, tighten them with a torque of **160 Nm for 15" wheel rims (steel and light metal) and 180 Nm for 16" wheel rims (steel and light metal)**. After this, the tyre bolts should be checked regularly that they are securely tightened.

4.2 Tyres

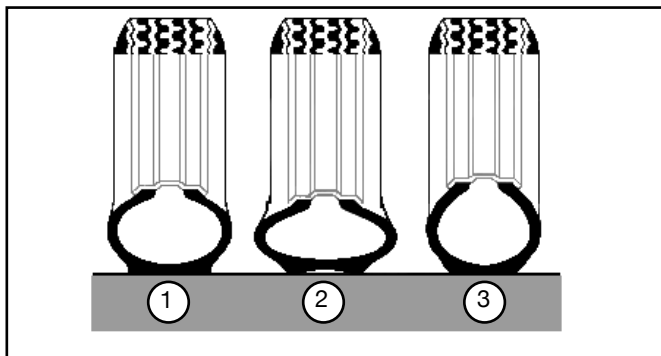
Use only tyres that have been entered in the vehicle's documents. Other tyre sizes may only be used if they have been permitted by the manufacturer of the basic vehicle.

Driving to protect your tyres

- Avoid braking sharply and racing starts.
- Avoid long drives on poor roads.
- Never drive an overloaded vehicle.



Tubeless tyres have been mounted on your HOBBY motor home. Under no circumstances may tubes be inserted in these tyres!



4.3 Tyre pressure

The inflation pressure of all tyres as well as the spare tyre should be checked approx. every 4 weeks and before you go on longer journeys.

The following applies when checking inflation pressure:

- Check the pressure only when the tyre is cold (also refer to Table 12.2 Tyre Inflation Pressure).
- If checking or correcting the pressure of a warm tyre, the pressure must be 0.3 bar higher than for a cold tyre.

The following applies for inflation pressure:

- correct inflation pressure (1).
- inflation pressure too low (2).
- inflation pressure too high (3).



If the pressure is too low, this may cause overheating of the tyre, possibly resulting in severe damage to the tyre.



For the correct inflation pressure, please refer to the table in the chapter on “Technical Data” or the operating instructions for the basic vehicle.

4.4 Tread depth

Replace your tyres as soon as the tread depth is only 1.6 mm.

Tyres may not be exchanged crosswise, i.e. from the right side of the vehicle to the left and vice versa.



Tyres age even if they are used seldom or not at all.

Tyre manufacturers' recommendations

- Irrespective of their tread depth, tyres should be changed every 6 years.
- Avoid hard impacts against curbs, potholes or other obstacles.

4.5 Wheel rims

Use only those wheel rims listed in the vehicle's documents. Please observe the following points, should you wish to use other wheel rims.

The following applies when using other wheel rims:

- Size,
- construction,
- injection depth and
- The load bearing capacity must be sufficient for the permissible total axle weight.
- The cone of the fastening screw must correspond to the construction of the wheel rim.

Adaptations are only permitted if these have been released by the manufacturer.

Aluminium wheel rims must be tested separately for each type of vehicle. The screws used on aluminium rims may not be used for steel rims. When using aluminium rims, tyres may not be changed from the front to the back or vice versa.

4.6 Snow chains



Use snow chains only on the front axle.



Never drive faster than 50 km/h.



Do not use snow chains on snow-free roads.



Ornamental hub caps must be removed before putting on snow chains.

Models with front-wheel drive

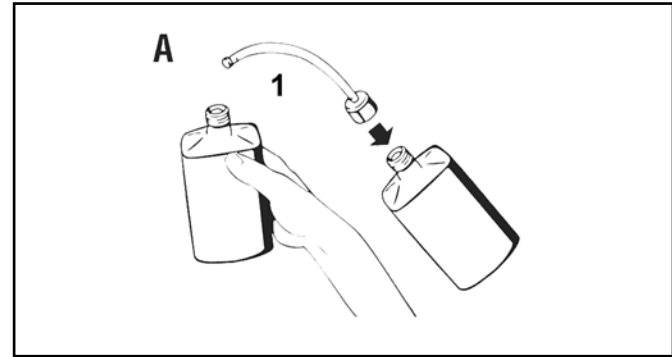
If you wish to use snow chains, the wheels on the front axle must use tyres size 195/75 R 16 C (M+S) on steel rims 5.5 J x 16 H2, ET 50. You may leave the tyres size 215/75 R 16 C on the rear axle. This tyre mix is covered by Ford's basic approval and, therefore, does not require extra permission.

Tyres size 195/75 R 16 C (M+S) must be inflated to the maximum admissible pressure of 4.8 bar. Snow chains may only be used with steel rims and only on the front axle.

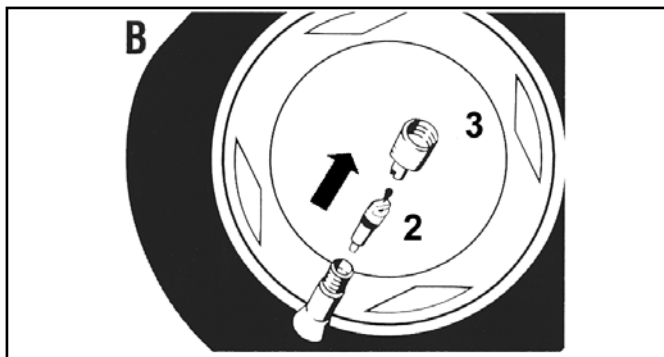


4.7 Tyre repair kit

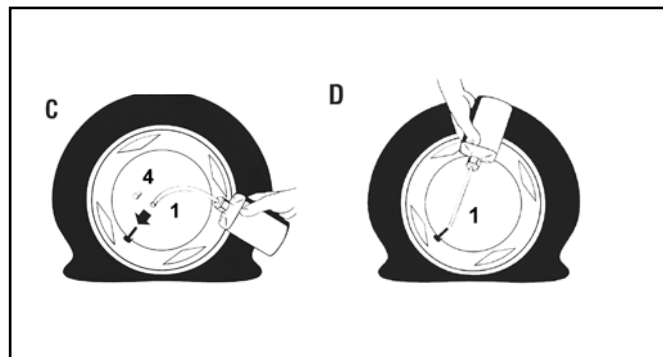
Do not use the tyre repair kit if the tyre was damaged as a result of driving without air. Small cuts, especially in the tyre tread, can be resealed using the tyre repair kit. Do not remove foreign bodies (such as screws or nails) from the tyre. The tyre repair kit can be used at outside temperatures to a minimum of approx. -30°C .



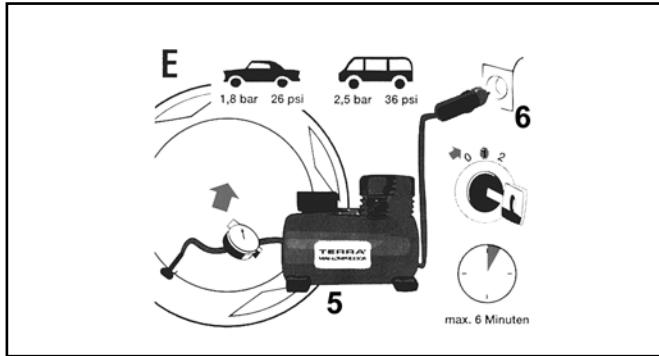
- A** Shake the bottle. Open the fill hose (1) on the bottle (foil seal is thereby punctured).



- B** Unscrew the valve cap from the tyre valve.
Remove the valve insert (2) with the valvecore remover (3).
Do not lay the valve insert (2) down in sand or dirt.



- C** Pull the stopper (4) from the fill hose (1). Push the fill hose onto the tyre valve.
- D** Hold the bottle down with the filling tube and then press them together. Press the entire bottle contents into the tyre. Pull the fill hose off (1) and screw the valve insert (2) tightly into the tyre valve with the valve-core remover (3).



If the minimum value is still indicated (8) correct the tyre pressure according to Table 12.2. Drive carefully to the nearest workshop and have the tyre replaced.

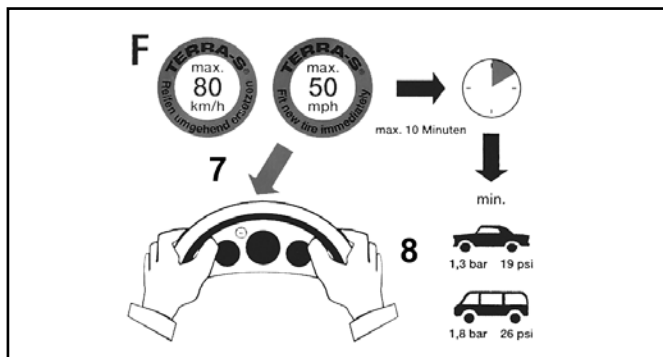


Danger of accidents: If the required tyre pressure is still unattainable the tyre is too severely damaged. In this case the tyre repair kit can no longer provide an effective seal. Do not, therefore, drive any further. Notify a service station or the 24-hour service hotline.

- E** Open the air hose (5) on the tyre valve. Insert the plug (6) into the cigar lighter socket. Then pump the tyres (Fig. 7). do not operate the electric air pump longer than 8 minutes! Danger of overheating! If sufficient air pressure is unattainable, drive 10 meters (either forward or in reverse) so that the sealant can be evenly distributed within the tyre. Repeat the pumping process. Resume driving immediately, so that the sealant can be evenly distributed within the tyre.

Maximum speed: 80 km/h. Especially in curves.

Check tyre pressure after driving 10 minutes. If the tyre pressure has fallen under this minimum value (8), you may not drive any further.



- F** Adhere the provided sticker to the combination panel within sight of the driver. Dispose of used tyre repair kit at a service station.



Danger of accidents! Have the tyres replaced at the nearest service station.

4.8 Changing a tyre

When changing a tyre ensure that your motor home is parked on a solid, level and non-slip surface. Engage first gear. Before lifting the motor home put on the handbrake and secure the vehicle from rolling away using the blocks. Never lift the vehicle using the levelling supports and do not insert the jack into the motor home section.



Further information is given in the operating instructions of the manufacturer of the basic vehicle.

4.9 Brakes

The components in the brake system are part of the General Type Approval (“Allgemeinen Betriebserlaubnis“, ABE).

If you change the components in the brake system, the type approval expires. Any changes are only possible if they have been released by the manufacturer.



In your own interests, you should have the brakes checked regularly by your Fiat or Peugeot repair shop.

The following applies when maintaining the brake system:

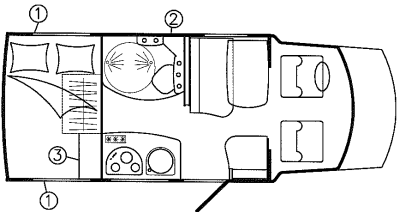
- Check the level of brake fluid regularly.
- Check the brake system and brake hoses regularly for leakage. Martens often gnaw at rubber hoses.
- Use only brake fluids with the same qualities as those fluids already in the brake circuit.

Further information is given in the operating instructions for the Ford Transit.

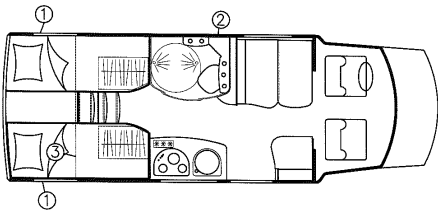
Chapter 5: Exterior Structure

5.1 Overview of tank and service flaps

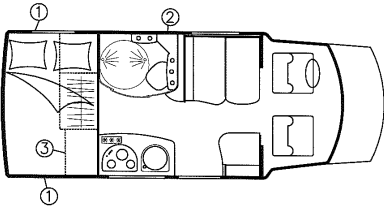
Van



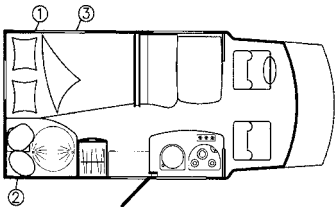
Van Exclusive L



Van Exclusive

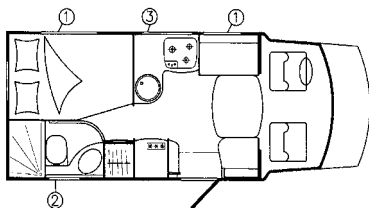


T 555 FS Siesta

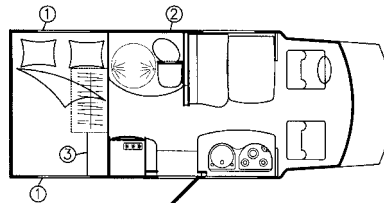


- Storage flap (1)
- Toilet flap (2)
- Gas box flap (3)

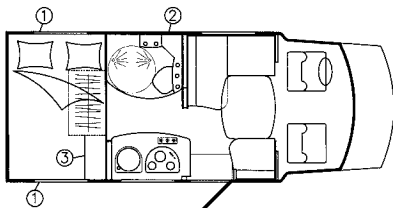
T 600 FC Siesta



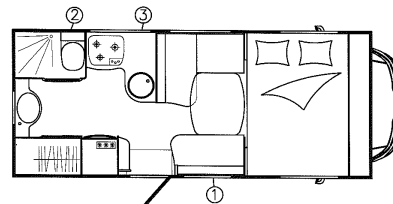
T 600 GFS Siesta



T 600 GFLC Siesta

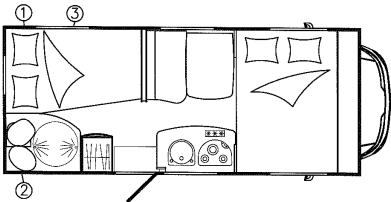


T 555 AK LC Siesta

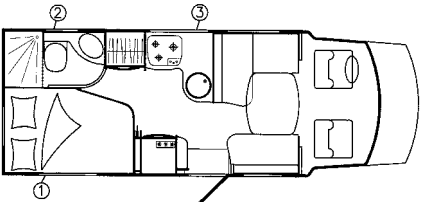


Storage flap (1)
Toilet flap (2)
Gas box flap (3)

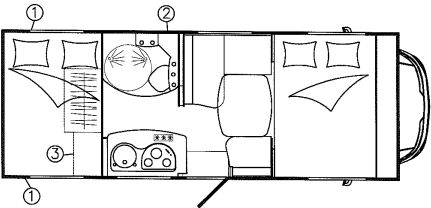
T 555 AK FS Siesta



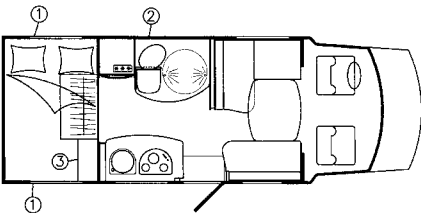
T 650 FLC Siesta



T 600 AK GFLC Siesta

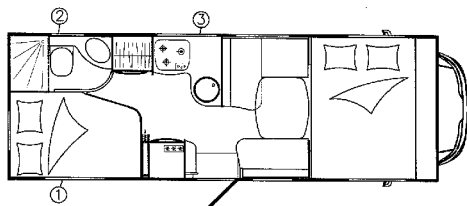


T 650 GFLC Siesta

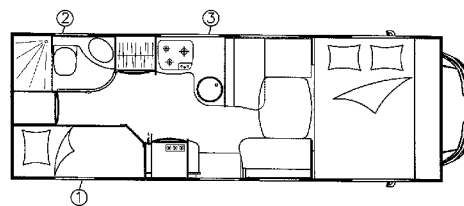


Storage flap (1)
Toilet flap (2)
Gas box flap (3)

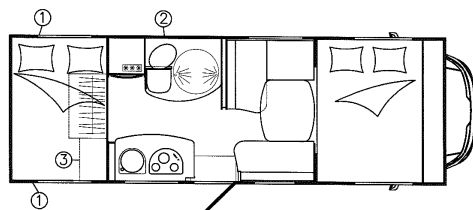
T 650 AK FLC Siesta



T 650 AK KLC Siesta



T 650 AK GFLC Siesta



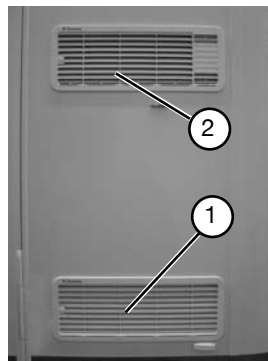
Storage flap (1)
Toilet flap (2)
Gas box flap (3)

5.2 Ventilation

The following applies for ventilation:

Ventilation is important if you want to feel comfortable in your motor home. No-draught ventilation has been integrated above the driving unit in your motor home. The roof lights ensure ventilation. Never interfere with the way in which they operate.

Appropriate covers can be used to close the ventilation of the refrigerator, provided it does not run on gas.



Refrigerator

Grates supply the refrigerator with fresh air from outside to ensure sufficient refrigerating capacity. The grate for fresh air intake (1) is on the outside wall of the vehicle. The grate for expelling used air (2) is above the grate for fresh air intake.



Never cover the safety ventilation, not even partially.



Note the information given on the covers. They may only be used when the refrigerator is operated electrically in winter. For more information, please refer to the refrigerator manufacturer's operating instructions.



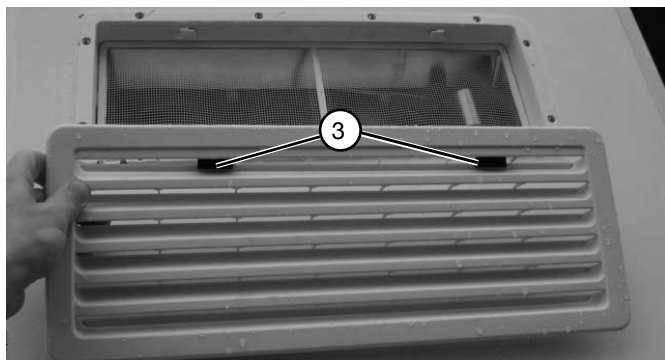
Watery vapour is produced while cooking, from wet clothes, etc. Every person transpires up to 35 g of water per hour. Therefore, depending on the relative humidity, the windows and skylights must be opened for further ventilation (see also "Operating in Winter").



Danger! You can suffocate if the ventilation openings are blocked! Never block ventilation openings.



Apply special covers when operating the motor home in winter. These covers can be purchased from your dealer.



We recommend that you remove the ventilation grate if the outside temperature is very high. This allows more air to permeate to the refrigerator, intensifying refrigeration.

Removing the ventilation grate

- Depress the locking devices (3).
- Carefully pull out the ventilation grate.



Heating

The heating system is supplied with fresh air from outside (1). This ventilation flap also permits exhaust air from the system to escape.



Blocked ventilation openings can lead to suffocation! Therefore, never block ventilation openings. When operating in winter ensure that the chimney outlet is not blocked.

5.3 Opening and closing doors and flaps

Keys to the vehicle

The following keys are supplied with the motor home:

- one master key
- two keys for the following locks on the basic vehicle:
- Driver's and passenger door plus bonnet unlocking mechanism.



Note the manufacturer's operating instructions for the basic vehicle.

- two keys that fit the following locks on the structure:
 - entrance door
 - service flaps
 - toilet flaps



Entrance door external

Opening

- Use key to unlock door.
- Pull on door handle.
- Open door.

Closing

- Close door.
- Turn key until you hear the bolt lock into place.
- Turn key back to vertical position and pull it out.



Entrance door internal

Opening

- Push the bolt (1) down.



This allows a door which has been locked from the outside to be opened from the inside.



Closing

- Pull the door shut until you hear it lock.

Locking

- Push the bolt up.



The entrance door is your escape route in case of emergency. Never obstruct the door from the outside.



To avoid damaging the lock and the doorframe, the inner door handle must be in a horizontal position and not slanted upwards.



Remember that the entrance door is your escape route in an emergency. Never barricade the door from the outside!



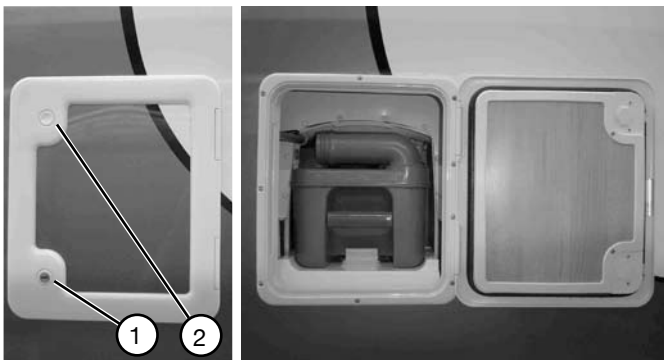
Luggage trunk flap

Opening

- Use key to unlock flap.
- Place your hand over the lock and give the flap a strong push inwards.
- Pull the flap up and secure with the arrestor hook.

Closing

- Lift the arrestor hook up and unlatch the flap.
- Pull the flap down to close.
- Lock it with the key.



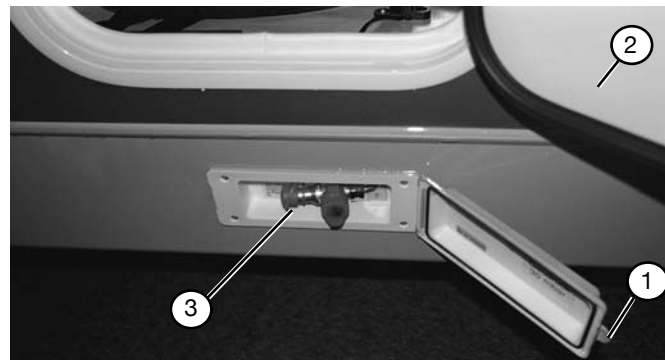
Toilet flap

Opening

- Use key to unlock flap (1).
- Press both buttons (1 and 2) and open flap.

Closing

- Press flap until it locks into place.
- Use key to lock flap (1).



Exterior gas supply

At the customer's request, the motor home can be fitted with an exterior gas supply (3). Equipment that uses gas, such as a gas grill or a gas lamp, can be supplied from outside the motor home. The exterior gas supply is located below the gas box flap (2).

Opening

- Pull the cover plate (1) of the flap towards you.

Closing

- Press the cover plate (1) of the flap shut until you hear it lock into place.



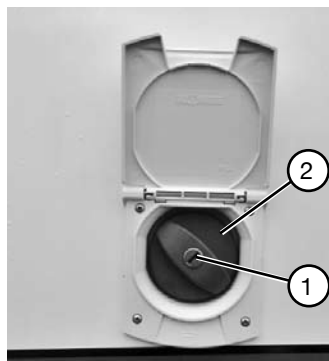
Fresh water filler neck

Opening

- Use key to unlock (1).
- Turn lid (2) firmly and remove.

Closing

- Insert lid (2) and turn it closed.
- Use key to lock (1).



Tank filler cap

The tank filler cap is located behind the driver's door in the lower section of the B-pillar behind a flap.

Opening

- Pull the flap open by inserting your finger into the convex opening (1) and pulling it outwards.

Closing

- Push the flap until it locks.



Please consult the separate Ford operation manual for instructions on using the tank filler cap.



5.4 Roof rail

The following applies when loading the roof rail:

- Only store light items of luggage on the roof.
- Lash the roof load securely and ensure that it cannot slip or fall off.
- Do not overload the roof! The heavier the roof load, the worse the vehicle's performance.



The maximum overall load is 50 kg.

- Observe the maximum permissible axle loads when loading.
- Add the measurements of the roof load to the height of the vehicle.
- Place a note with the overall height in a visible position in the driver's cabin to avoid having to calculate it when passing under bridges or through archways.



Only transport roof loads using an additional, suitable roof rack.



5.5 Bicycle carrier

The motor home's handling when driving is significantly different when the bicycle carrier is in use. The driving speed should be adjusted accordingly to take this into consideration:

- Even if loading is perfect the critical speed is dramatically reduced.
- The driver is responsible for the secure fastening of the bicycles. Even when unloaded and folded up the carrier must be secured using the clips provided.



- Ensure that the existing lighting equipment is not completely or partially obscured by any loads.



The maximum permissible loads for the bicycle carriers are 50 kg (Van) or 60 kg (Siesta).

5.6 Load carrier

As an optional extra your motor home can be fitted with a load carrier equipped with an attachment kit for securing a motorcycle or a motor scooter. The driver is responsible for the safe and stable fastening of the load.



- The maximum load capacity is 130 kg.
- Never exceed the permissible rear axle load.
- The load carrier reduces the rear ramp angle of the vehicle. When driving over uneven surfaces the carrier can touch the ground.
- When the load carrier is fully loaded the rear axle is subject to an additional load and the front axle is unloaded. This can result in significant changes in the motor home's handling, steering and braking performance.
- The rear number plate must be centrally mounted between the load carrier's number plate lights.
- Please note, when the load carrier is in use it is forbidden to use any existing towing fixture which may still be accessible simultaneously.



The load carrier can be fitted with special kits, e.g. for bicycles, luggage boxes or similar. Only SAWIKO mounting adapters are permitted for use; if other makes are used all guarantee claims will be forfeit.



5.7 Sun awning

As an optional extra your motor home can be fitted with a sun awning. Depending on the model the awning is either integrated into the lipping or attached to one of the side walls.



- An awning offers protection from the sun, not against the elements.
- Do not place people or obstacles in the extension/retraction area of the awning.
- The awning winding mechanism is fitted with a mechanical block control to limit the extent to which it can be extended. Never attempt to exceed the block control by force.
- Always support the awning with the integrated struts when extended.
- The awning must always be completely retracted and secured before driving.

Extending

- Insert the hook on the crank into the grommet on the winding mechanism.
- Hold the crank with one hand on the upper twist grip and the other on the lower twist grip. During the operating procedure gently pull the crank towards you and hold it as vertically in the grommet as possible.
- Turn the crank clockwise until the awning has been extended to the desired position.
- Remove the crank.
- Unfold the telescopic rods on the inside of the drop tube and use them to support the awning.

Retracting

- Retract the telescopic rods, fold them up and secure them.
- Insert the hook on the crank into the grommet on the winding mechanism.
- Turn the crank anti-clockwise until the awning has been fully retracted and is secured.
- Remove the crank and store it in the vehicle.



If the canvas is slack when extended, retract the awning until the canvas is tightly stretched again.

Chapter 6: Interior Structure

6.1 Opening and closing doors and flaps



Close all flaps and doors properly before driving. This avoids them opening accidentally while driving and objects falling out.



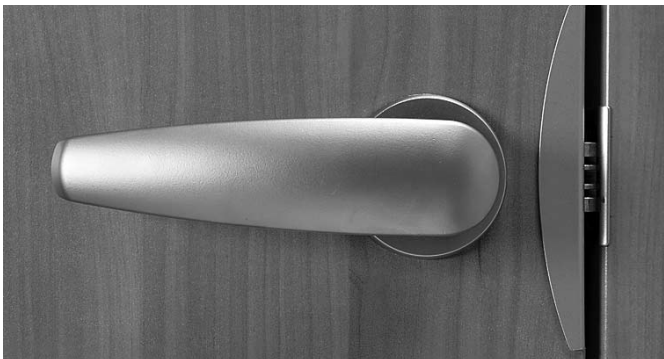
Storage compartments

Opening

- Pull the handle until the flap is open.

Closing

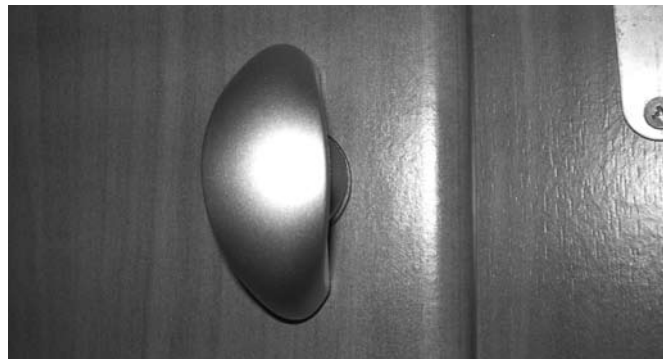
- Press the flap handle until you feel the flap close firmly.



Furniture doors with handle

Bath room door

- Push the handle to open and shut the door.



Furniture doors with turning knob

Wardrobes

- Turn the knob to open or shut the door.



Doors with snap locks

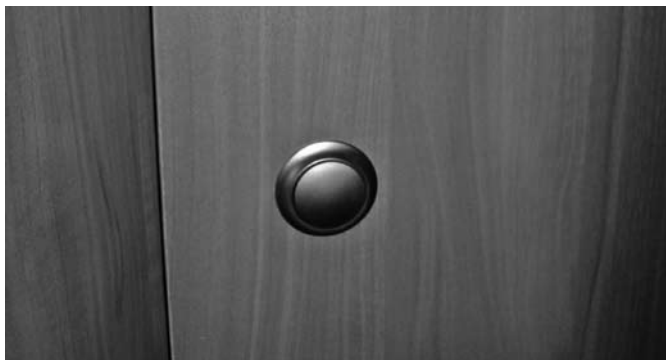
Kitchen wall cupboards, shoe cupboard

Opening

- Briefly push the door handle until it snaps open.
- Open the door.

Closing

- Push the door handle until the lock snaps into place.



Doors with push locks

Refuse cupboard

Opening

- Depress the push lock until the knob pops out.
- Carefully pull the knob and open the door.

Closing

- Push the door closed using the knob.
- Depress the push lock until the knob locks into place and the door is fastened.



Sliding doors

Cupboard under the bed, washroom door

Opening

- Grasp sliding doors by the centre bar and push them both outwards.

Closing

- Grasp the doors by the centre bar and push them shut until they meet in the middle.



6.2 Media unit / TV holder

The media unit (only in the T 555 FS) is a revolving room divider which can be used both as a bar shelf and as a TV cupboard for a flat-screen television. To swivel the media unit pull the catch on the underneath. When the unit has been swivelled, press the catch again until it locks into place.



Television holder for flat-screen monitor

230 V power sockets and an aerial socket for the TV and/or receiver are located directly adjacent to the holder.



Lock the media unit or TV holder before driving.



- Pull out the extension of the bed and place additional cushions along the outer wall.
- Place the cushions from the seating arrangement on top and pull them together towards the middle of the table.
- Fill the empty spaces with the backrests.
To do this, turn the backrests around and place them with the wider side towards the front or back wall.

6.3 Seating chests and setting up beds (Siesta)

The seating arrangements can be rearranged as comfortable beds for sleeping.

Lift-off table construction

To rearrange

- Remove all cushions.
- Unscrew the latch on the lift-off table.
- Lower the table.
- The table will remain in its lowered position.



Seating chests and setting up beds (Van)

The seating arrangements can be rearranged as comfortable beds for sleeping.

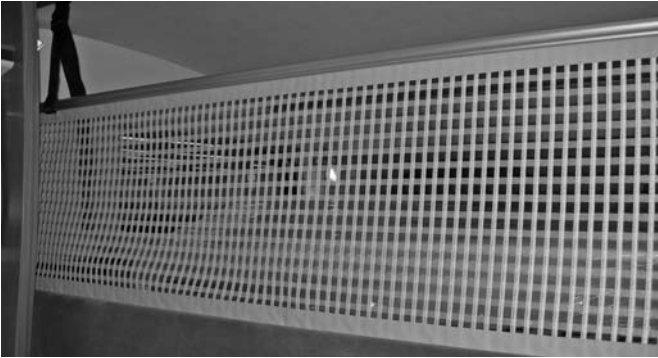
Lift-off table construction

Rearranging

- Remove all cushions.
- Pull the latch on the lift-off table up and loosen it.
- Pull the latch on the lift-off table towards the interior of the motor home and lower the table.
- Attach the supports to the additional wooden panel and hang it on the wall.



When not in use, the additional wooden panel is kept in the wardrobe.



6.4 Bunk beds/Alcoves

Parents are responsible for ensuring that small children do not fall out of upper berths. If small children are in upper berths, the safety nets provided must be pulled up and fitted in the fixtures to prevent children from falling out.



If you have put small children in the upper berths, secure them against the danger of falling out!



The windows by the children's beds are secured against unintentional opening to prevent children from falling out of them.

The maximum permissible loading for the upper child's bed is 45 kg.



6.5 Windows

Knockout windows with locking hooks

Opening

- Press the knob of the bolts and turn them to a vertical position.
- Press the window outwards until you hear a click. The window will automatically remain in this position. The width of the opening is adjustable in several stages.

Closing

- Raise the window slightly so that the hook unlocks.
- Close the window.
- Press the knob of the bolts and turn them to a horizontal position.

Combined sunshade and insect screen

The sunshade and insect screen are integrated in the window frame and can be combined. The combined shade can be adjusted in several positions.

Combining shades

- Pull the connection flap of the insect screen upwards.
- Latch the connection flap to the catch on the one-handed operation of the sunshade.

Adjusting the sunshade

- Press the one-handed operation of the sunshade together at the jaw and hold it.



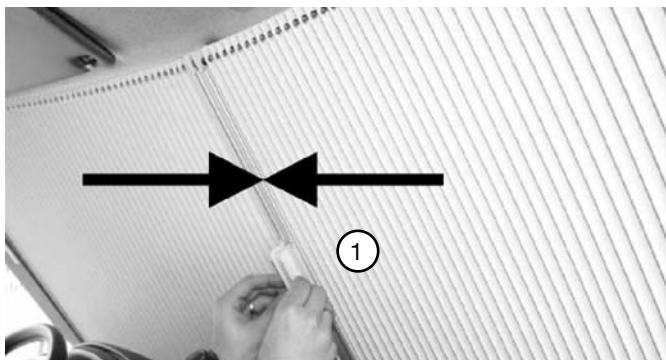
Opening the insect screen

- Unlatch the connection flap of the insect screen from the catch and separate it from the one-handed operation.
- Use the connection flap to draw the insect screen down and do not let it snap back.



Skylight

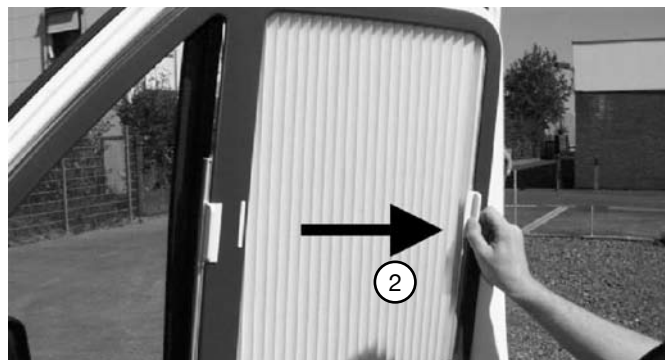
The skylight cannot be opened. It is fitted with an integral dimming shade which can be drawn as required by pulling it.



6.6 Dimming system for driver's cabin

The dimming shades may only be drawn when the vehicle is standing and the motor has been turned off. Before starting your drive, you must fold up the entire system and lock it.

Open the dimming system whenever you are not using your motor home, as otherwise it will be permanently damaged by the effects of heat and UV rays.



Front system (1)

- Press the clasp together in the middle. The magnetic lock will automatically lock.

Side system (2)

- Draw the clasp across to the rabbet. The magnetic lock will automatically lock.



The dimming system may never be used as a sunshade or closed while driving.

6.7 Skylight

Safety instructions



- Never open the skylight in strong winds/rain/hail, etc. or if the temperature outside is below -20°C!
- Remove snow, ice or excessive dirt before opening. Ensure there is sufficient room before opening the skylight under trees, in garages, etc.
- Do not use force to open the roof skylight when covered by ice or snow as this could break the hinges and opening mechanism.
- Do not stand on the skylight.
- Close and bolt the skylight before driving. Open the insect screen and pleated material (resting position).
- If the sunlight is very strong, pull the sunshade only 3/4 closed, otherwise there is a danger of heat build-up.



The vents for ventilation must always remain open! Never shut or cover up these vents!



Before driving, ensure that the skylight is securely bolted.



Mini Heki



Midi Heki

Opening the skylight

Before opening the skylight, check that the outside area above the skylight is clear.

Mini Heki 400 x 400 mm

- There are three different positions for opening the skylight by turning the crank anti-clockwise. Press the locking button and open the skylight to the desired position by turning the crank before locking it into position. The maximum opening angle is 50°.

Midi Heki 700 x 500 mm

- Turn the crank to its user position. By turning the crank clockwise, you can now open the skylight to the desired position. When the maximum opening angle of 60° has been reached you will feel resistance.



Crank Midi Heki

Closing

Mini Heki 400 x 400 mm

- Release the crank from the locking position and close the skylight. The skylight is automatically locked when it has been fully closed.

Midi Heki 700 x 500 mm

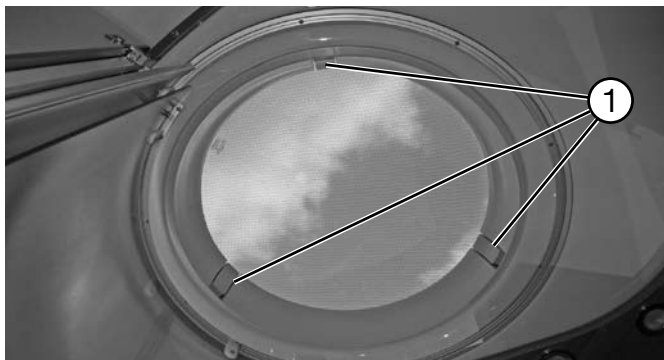
- Turn the crank anti-clockwise until the skylight is closed and you can feel resistance. The crank can be folded back into the crank niche when the skylight is closed. To ensure safe closure the crank should be folded back into the crank niche. Check the skylight is closed by pushing against the glass with your hand.

Dimming shade

Pull the handle of the shade to any desired position or until the latch locks into the handle of the insect screen.

Insect screen

Push the clasp of the insect screen against the clasp of the shade until the latch locks into the clasp.



Round roof light

To open:

- Pull the lower end of all three locking mechanisms (1) towards the middle of the window and release them.
- Push the full surface of the roof bonnet up until it locks into place.

To close:

- Close the roof bonnet.
- Press the locking mechanisms (1) firmly until they lock into place.



6.8 Seats in the driver's cabin



Please refer to the operating instructions of the basic vehicle for information on operating these.



- Before driving turn all swivelling seats in to face in the driving direction and lock them into place.
- Leave the seats locked to face in the driving direction while driving. Do not swivel them.
- When the vehicle is stationary: when swivelling the driver's seat make sure that the handbrake is not released by accident.

Swivelling seats

- Put the armrests up.
- Move the seat to the middle position.
- Release the lever to swivel the seat. The seat will be released from the locking position.
- Push the seat belt buckle down to avoid damaging it.
- Swivel the seat to the desired position.



6.9 Construction of the seats

Cushion fastenings

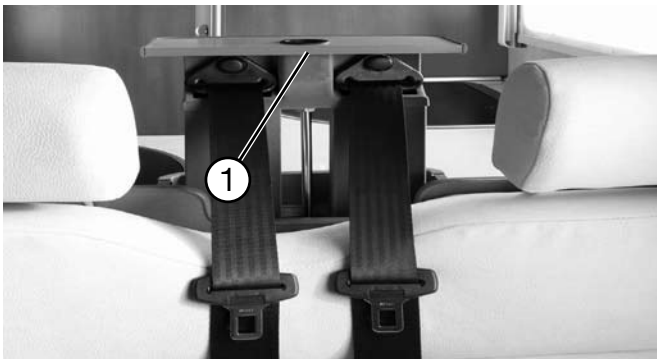
The seat and back cushions are held in place by an anti-slip mat.



Ensure that the seat cushions and backrests are fastened securely and correctly.

Adjusting the height of the headrests

- Grasp the cushion on the headrest and push it to the desired position.



6.10 Seatbelts in the caravan

The seats in the middle seating arrangement facing the direction of traffic have been fitted with seatbelts.

Operation

Locks are used to adjust the height of the seatbelts.

Buckling the seatbelt

Do not twist the seatbelt.

- If you use a model with a retractable restraint system, you must first press on the top cover to unlock it and then extend it in the direction you are driving.

- Grasp the tongue and insert it in the lock of the seatbelt until you hear it snap shut.
- Guide the upper part of the seatbelt over your shoulder and diagonally across your chest.
- The lower part of the seatbelt fits across your hips.

Unbuckling the seatbelt

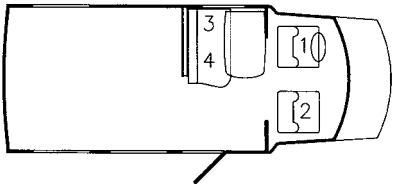
- Press the button on the lock of the seatbelt to unlock the tongue.



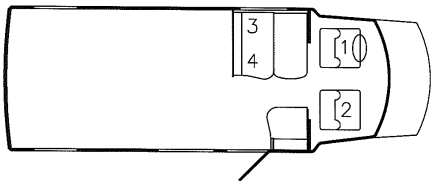
- Fasten seat belts before driving and keep them fastened while driving.
- Do not damage or jam the seatbelts. Damaged seatbelts should be replaced by an authorised workshop.
- Do not alter the seatbelt fixings; the automatic retraction system or the buckles.
- Only use each seatbelt for one adult. Do not fasten objects and people using only one seatbelt.
- Seatbelts alone are not suitable for persons under 150 cm tall. In such cases use additional restraining equipment.
- Replace seatbelts after an accident.
- Do not twist the seatbelt; it should fit closely to your body.

6.11 Overview of the seating arrangements

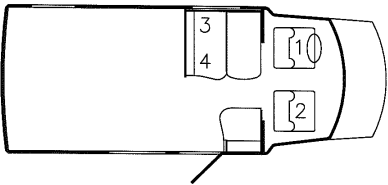
T 500 GFSC Van



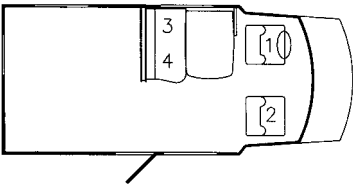
Van Exclusive L



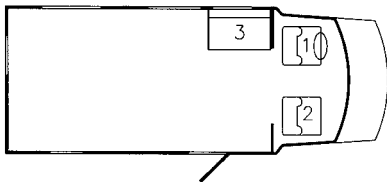
Van Exclusive



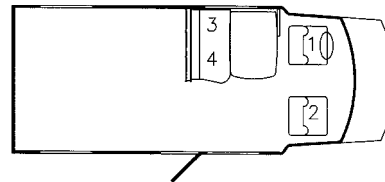
T 555 FS Siesta



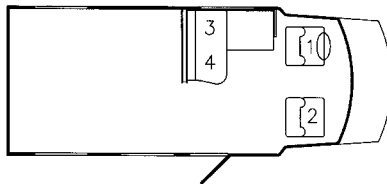
T 600 FC Siesta



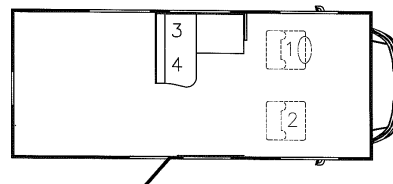
T 600 GFS Siesta



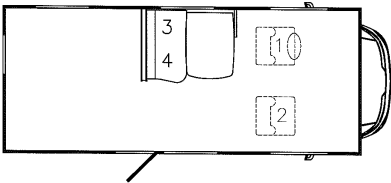
T 600 GFLC Siesta



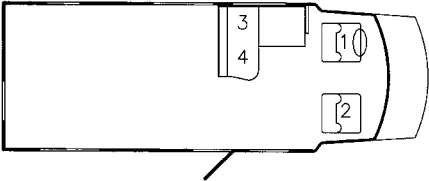
T 555 AK LC Siesta



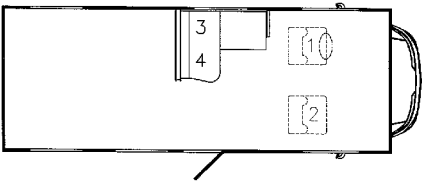
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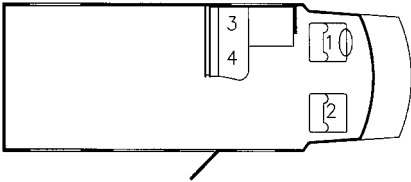
T 650 FLC Siesta



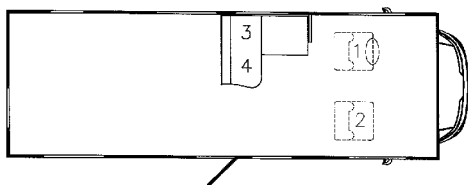
T 600 AK GFLC Siesta



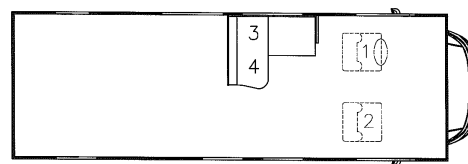
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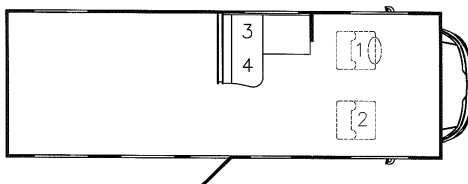
T 650 AK FLC Siesta



T 650 AK KLC Siesta

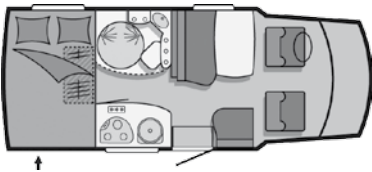


T 650 AK GFLC Siesta

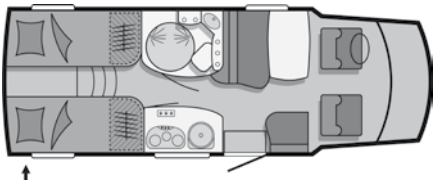


6.12 Overview of day and night positions

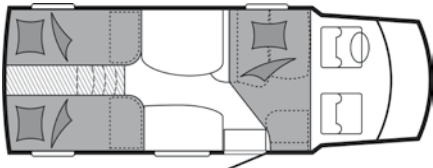
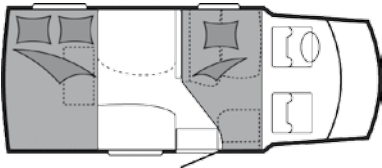
Van und Van Exclusive



Van Exclusive L

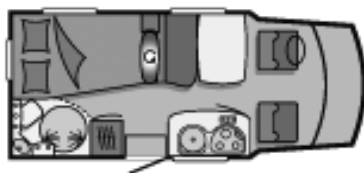


Day position



Night position

T 555 FS
Siesta



T 600 FC
Siesta

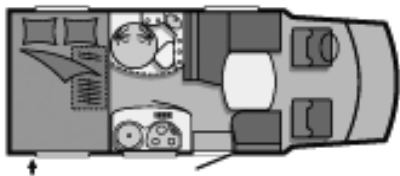


Day position

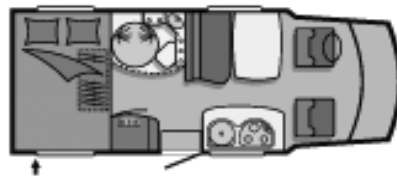


Night position

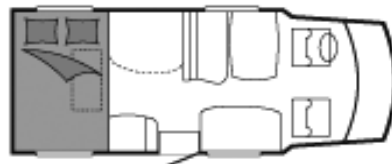
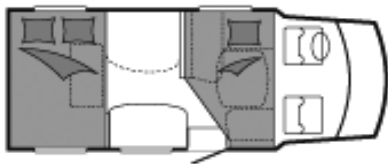
T 600 GFLC
Siesta



T 600 GFS
Siesta

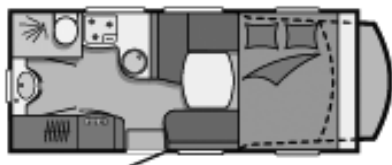


Day position

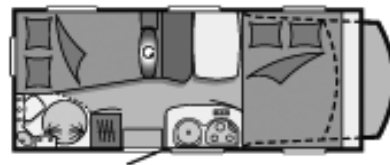


Night position

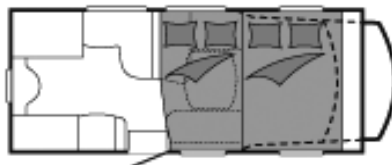
T 555 AK LC
Siesta



T 555 AK FS
Siesta



Day position

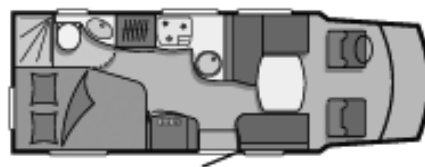


Night position

T 600 AK GFLC
Siesta



T 650 FLC
Siesta



Day position



Night position

T 650 GFLC
Siesta



T 650 AK FLC
Siesta

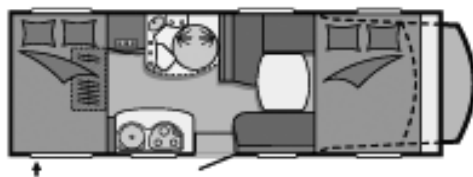


Day position



Night position

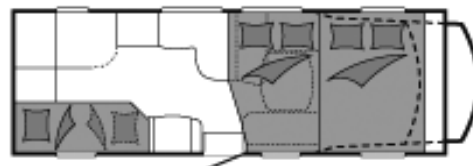
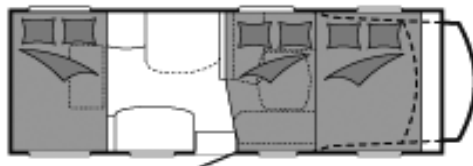
T 650 AK GFLC
Siesta



T 650 AK KLC
Siesta



Day position



Night position

Chapter 7: Electrical Installations

7.1 Safety instructions

The following must be observed:

- Do not remove the signs on electrical components giving safety instructions or danger warnings.
- Do not use the installation compartments for the caravan battery, on-board control panel, battery charger and 230 V connector box as additional storage room.
- Smoking and naked flame are forbidden when checking electrical equipment.
- Only authorised and experienced workshops may carry out electrical repairs.
- Inexpert handling of the vehicle's electrical system may endanger your own life as well as that of others.
- Use only weatherproof, 3-wired extension cable and shock-proof plug or CEE plug and coupler when hooking up to an external 230 V network.

7.2 Elements of the electrical system

The electric power supply is provided via the HOBBY on-board control panel in connection with an automatic battery charger.

Main elements of the electrical system

- **CONTROL PANEL** -
Controls the electrical consumers and shows their status.
- **12V DISTRIBUTION MODULE** -
Main relay, battery parallel relay (12V – 70A), refrigerator relay, pump relay, charging facility B1, safety fuses.
- **BATTERY CHARGING DEVICE** -
Charges the battery in buffer operation
- **PROBE WITH RODS** -
Measures the contents of the fresh water tank
- **PROBE WITH SCREWS** -
LED display shows when waste water tank is full
- **CONSUMER BATTERY** -
supplies all consumers
- **VEHICLE BATTERY**
- **GENERATOR** -
loads both the vehicle and consumer batteries at the same time
- **230V MAIN SWITCH** -
supplies and protects the 230V consumers
- **50A FUSES VEHICLE/ and CONSUMER BATTERIES**

Advice and instructions

Important

- Any changes to the electrical installations may only be carried out by a professional electrician.
- Disconnect the battery and switch off the 230V mains before carrying out any maintenance work.

Batteries

- Please observe the battery manufacturer's operating instructions.
- The acid in the battery is poisonous and corrosive. Avoid contact with eyes and skin.
- Avoid total discharge since this significantly reduces the performance capacity and service life of the batteries.
- Check the level of the battery fluid regularly (acid batteries); gel batteries require no maintenance, but must be continuously recharged.
- Unclamp the minus pole if the ancillary battery is not being used for a longer period of time (more than 1-2 months).
- Should the consumer battery be removed, isolate the plus pole (to prevent short circuits when turning on the motor).

Battery charger

- The charger's capacity is 220 W.
- The charger functions in accordance with IUOU1 charging technology.
- In the case of misuse the guarantee and manufacturer's liability will no longer apply.

Tank probes

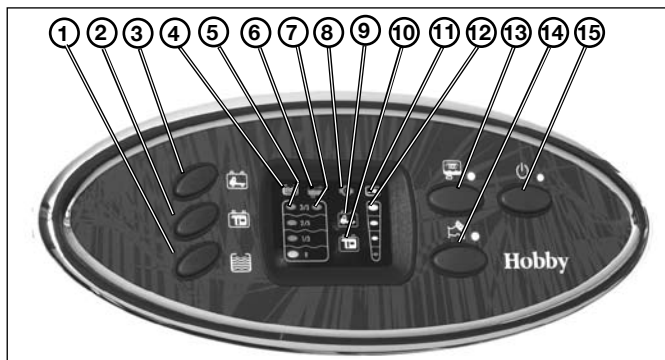
- To avoid incrustations, particularly in the waste water tank, never let the water in the tanks stand for too long. Flush the tanks regularly.

230V main switch

- To switch off the power supply for the entire system set the main switch to "0"(OFF).
- Only connect and disconnect the system to the 230V external mains when the main switch is turned off.

Fuses

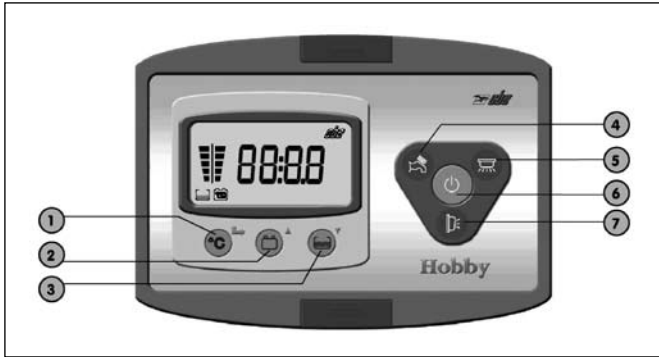
- Only replace defective fuses after the cause of the defect has been remedied by a professional electrician.
- The new fuse must have the same amperage as the old one.



Control panel (Van and Siesta)

Description

- 1) Button for monitoring fresh water tank.
- 2) Button for monitoring consumer battery (B2).
- 3) Button for monitoring vehicle battery (B1).
- 4) LED indicates test in fresh water tank; flashing indicates empty tank.
- 5) LEDs signal level of fresh water tank.
- 6) LED indicates test in waste water tank; flashing indicates full tank.
- 7) Flashing LED indicates full waste water tank; LED 6 also indicates alarm.
- 8) Indicates that generator is charging vehicle and consumer batteries.
- 9) LED indicates test of vehicle battery; flashing indicates empty battery.
- 10) LED indicates test of consumer battery; flashing indicates empty battery.
- 11) LED indicates that 230V mains is connected.
- 12) LED voltmeter for monitoring voltage of vehicle and consumer batteries.
- 13) Control switch for waste water tank resistance; dependent on main switch and functions when motor is switched on or 230V mains is connected.
- 14) Switch for water pump that operates pump relay; dependent on main switch.
- 15) Main switch for consumers; flashing LED indicates that consumer battery is almost empty and protection against total discharge will soon be activated.



Control panel (Van Exclusive)

Legend

- 1) Button to display inside and outside temperature.
- 2) Button to monitor ancillary and vehicle battery currents.
- 3) Button to display fresh water level [%] and to set up programmable parameters.
- 4) Button to turn fresh water pump on/off.
- 5) Button to switch lights on and off.
- 6) Main switch (press for approx. 2 sec to turn off and on).
When first switched on the display will carry out a function test and display all symbols. When it is green, the corresponding LED shows that the Control Panel is on;

when it is red, it shows that an alarm has gone off (battery, tank, etc.).

- 7) Button to switch light on and off in the tent in front of the motor home (the light is automatically switched off when the motor is started).

Main display

- 1) Total discharge protection
- 2) 230V mains
- 3) Parallel connection for ancillary and motor batteries
- 4) Vehicle motor
- 5) Level Fresh water tank
- 6) Voltage level of the ancillary battery
- 7) Fresh water tank test – flashing display indicates an empty tank
- 8) Ancillary battery test – flashing display indicates a flat battery
- 9) Waste water tank test – flashing display indicates a full tank
- 10) Motor battery test – flashing display indicates a flat battery
- 11) Digital display of time and selected test functions
- 12) Display of the various measuring and level displays

Programming settings

The programming menu allows the following: setting the time; correcting the voltages of the consumer and ancillary batteries, and adjusting inside and outside temperatures.

- Press Button 1) for more than 2 sec to access the programming menu.
- Press Button 1) to select the relevant parameter.
- Press Button 2) or 3) (arrow buttons) to alter the parameters.
- Press Button 1) repeatedly to save the changes and to exit the main menu.
- To exit the main menu without saving any changes wait for 20 sec without pressing any of the buttons.

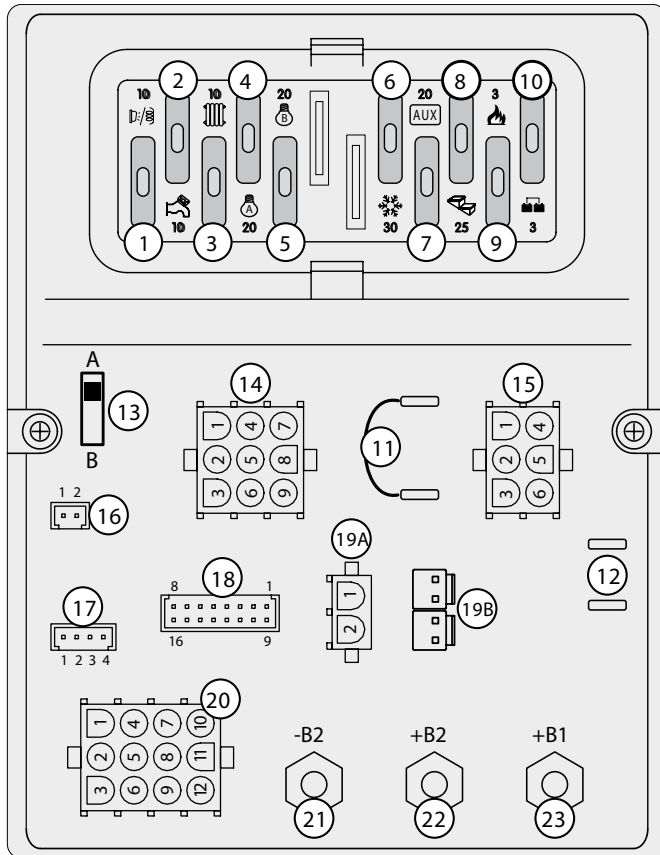
Functions

Protection against total discharge

An electronic installation turns off all 12V consumers when the consumer battery reaches a minimum voltage of 10V. The consumers can be switched on again for approx. one minute by

switching the main switch on again.

The refrigerator, electric entrance step and those consumers directly supplied by B2 are not affected by this installation.



Distribution module “DS-300HB”

Fuses

- 1) 10A fuse for supply of the front tent light
- 2) 10A fuse for supply of the water pump
- 3) 10A fuse for supply of the heating/boiler
- 4) 20A fuse for the lights
- 5) 20A fuse for the lights
- 6) 30A fuse for supply of the 12V AES absorber refrigerator
- 7) 20A fuse for the aux supply (solar charger controller)
- 8) 25A fuses for supply of the electric step
- 9) 3A fuse
- 10) 3A fuse
- 11) Bridge circuit
- 12) Simulated D+ alternator output for electric step and refrigerator
- 13) Change-over switch must be in Position “A”

7.3 Electric power supply

Your motor home has the following connections for electric power supply:

- electric mains (a.c. voltage 230 V)
- caravan battery (d.c. voltage 12 V)

Electric power supply from the electric mains

The 230 V system is protected by a 2-pole circuit breaker with 16 A. The circuit breaker is located behind the driver's seat.

Should there be a malfunction, the passenger circuit breaker opens the entire 230 V circuit. In most cases, such a malfunction is caused by a defect piece of electric equipment or a defect in its supply line.

- Repair the defect before switching the circuit breaker on again.
- If the defect cannot be repaired, consult an experienced electrician.

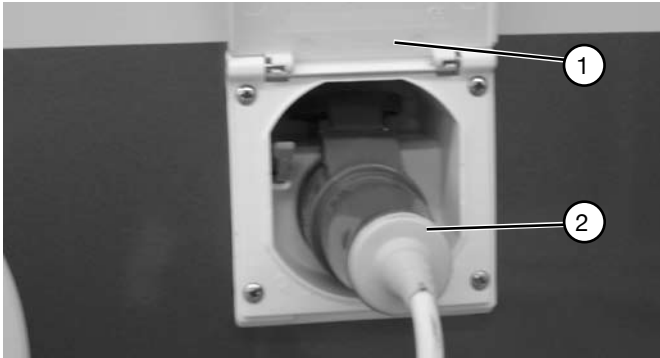
The following applies for the electric mains:

- the power supply lead may not be longer than 25 m



If you are using a cable drum without protection against overheating, the electric cable must be completely unwound from the cable drum.

- Use only plugs and cables that meet CEE standards.
- First, make the connection to the main socket (1) of the vehicle.
- Then insert the other plug in the live socket.
- Follow this sequence in reverse when you pull out the plug.



Exterior socket

Opening

- Take hold of the bottom of the cover flap (1) and pull it upwards.

Closing

- Remove CEE plug (2).
- Push cover flap (1) down until you hear it lock into place.

7.4 Function of the power generating unit

Position of the battery charger

The charger is located under the passenger seat.

Operation with 230V mains electricity

As soon as a 230 V mains electricity connection has been made, and if the charger is turned on, the ancillary and motor batteries will be charged. This is shown on the control panel.

Charging procedure

The charger represents the current status of technology and charges in three phases in accordance with the so-called IU_0U_1 curve. The charging period should be at least 12 hours.



Batteries do not respond well to cold temperatures; in such cases they do not supply electricity to the on-board circuit or absorb power from the charger. Therefore, when travelling in winter, the heating should be turned on before charging the batteries.



The battery voltage of both the motor battery and the ancillary battery can be checked continuously on the control panel.



The battery charger only works if the batteries have been inserted with their poles in the right direction.



The minimum charging period of 12 hours must be extended accordingly if equipment using 12V is switched on during charging.

Total discharge protection

If the battery voltage of the ancillary battery sinks below 10.5 V a relay shuts down all equipment using power.



If the total discharge protection is activated turn off the 12V main switch to avoid an additional discharge of the ancillary battery.

Function of the battery charger

Protecting the device

If the battery charger should become hot because of high environmental temperatures or high charging currents, a built-in thermal switch turns off the battery charger until the temperature in the battery charger has dropped again.

Check list

- Turn off the motor.
- Connect the battery charger to the mains supply.
- Switch on the 12V main switch.
- Turn off all equipment (also refrigerator) using 12V power.

The voltage of the caravan battery must rise to a maximum voltage of 14.4 V.

If this does not happen after using the built-in battery charger to charge the battery, check the following:

- Is the charger attached correctly to the power supply?
- Is the charger's mains fuse working properly?
- Is the charger's battery voltage over 3 volts?
- Are the ancillary battery's poles attached correctly?

Operation when the motor is running

As soon as the motor is running, a relay connects the starter battery and the caravan battery in parallel. The D+ signal sits close to the dynamo. Therefore, the dynamo charges both batteries. If the D+ signal no longer sits close to the dynamo, the two batteries will be separated from each other again. In this way, the starter battery cannot be discharged by equipment in the caravan.

The 12 V supply for the refrigerator only functions when you are driving. If the motor has stopped, the 12 V operation of the



To charge a discharged caravan battery optimally while driving, disconnect the 12 V operation of the refrigerator and turn off as much equipment as possible that uses 12 V.

Checklist

- Turn off the motor.
- Switch on the 12 V master switch.
- Turn off all equipment that uses 12 V.
- Start the motor.

The voltage of the caravan battery must rise if

- the engine speed is above the idling speed,
- the vehicle's battery is not completely discharged.

If this does not happen after using the dynamo to charge the battery, check the following:

- Is the 50A fuse in the supply line to the ancillary battery near the motor battery functioning properly?
- Is the fuse distribution panel displaying the "Motor running" signal?

Operation by means of a 12 V caravan battery

All of the equipment is automatically supplied from the caravan battery if the motor home is standing still without a 230 V mains supply and with its engine turned off. The 12 V master switch must be switched on.



The caravan battery should only be allowed to discharge to a voltage of 11 V. At this point, you should ensure that it is recharged from the dynamo or from public supply.

7.5 Caravan battery

Location

- Under the passenger's seat or in a separate compartment which is accessible from the outside (SW has an additional battery).

Features

- The battery does not require maintenance. It does not need to be refilled with water.
- The battery is closed off and cannot leak.
- The battery is cycle-proof, making it especially suitable for the supply of the board network. Several discharging/charging operations are possible.



Use only the same kind of batteries when exchanging the battery (same capacity and voltage, cycle-proof, maintenance-free and leakproof).

Changing the battery

- Please do not smoke when changing the battery.
- Disconnect the connection to the 230 V network.
- Before disconnecting or connecting the battery switch off all equipment using 12V power.
- First, disconnect the negative (-) terminal.
- Then disconnect the positive (+) terminal.
- Remove the battery.
- Insert the new battery.
- Use the reverse sequence to connect the new battery.



7.6 Fuse protection of the electric system

Ancillary battery

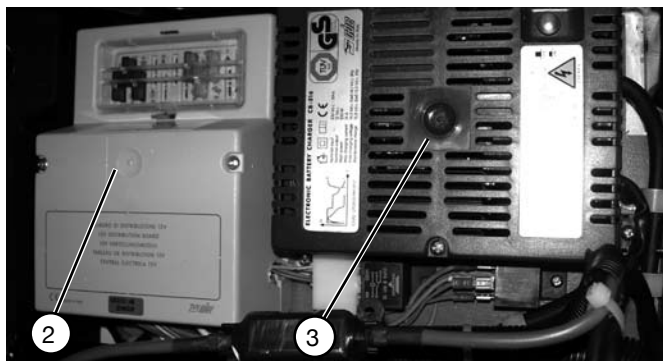
The main fuse protection is carried out by means of a 50 A safety fuse (1). The fuse is located directly next to the battery.

12V circuits

Fuse protection is carried out by means of fuses on the 12V distribution module.

The following applies if one of the devices breaks down

- Check the fuse on the corresponding electric circuit.
- Replace the fuse.
- If the fuse blows again please contact your authorized Hobby dealer.



Battery charger with a distribution module

The battery charger (3) and distribution module (2) with integrated fuses are located in front of the ancillary battery under the passenger's seat.

7.7 Subsequently installed devices

Subsequently installed electronic devices that can be used while driving (e.g. mobile phones, wireless equipment, radios, cameras for driving in reverse, navigation equipment, or others) must meet all of the requirements for electromagnetic compatibility. Such equipment must have been approved in accordance with EU Guideline 72/245/EEG as it appears in version 95/54/EEG, because otherwise it may cause interference with the electronic systems already installed in the motor home.

A CE mark is mandatory for devices that have been subsequently installed and which cannot be used while driving.

Chapter 8: Water

8.1 Water supply



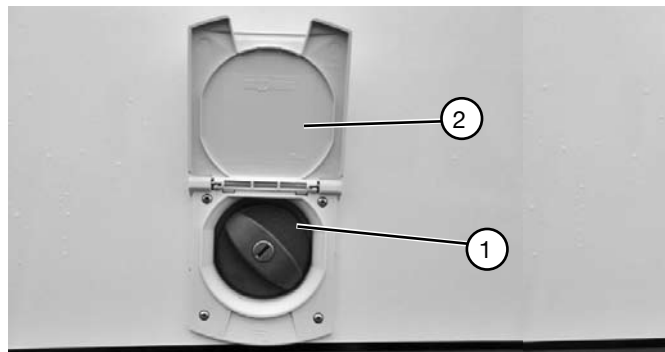
The water supply system corresponds to the current status of technology as per 10/2007 [Directive 2002/72/EC].

The motor home is equipped with a fixed fresh water tank. An electric water pump pumps the water to the individual water outlets. When a tap is turned on the pump is automatically activated and pumps water to the relevant outlet. The waste water tank collects the dirty waste water. The water levels in the fresh water and waste water tanks can be checked on the control panel display.

The fresh water tank is filled using the filler neck on the side wall. The fresh water filler neck has a blue cap (1) and a tap symbol on the bottom edge of the frame. The filler cap (1) can be opened or closed using the ancillary key.

Filling the system

- Close all outlets and valves.
- Open the protective cover (2) of the filler neck by pulling it.
- Unlock and open the filler cap (1).
- Fill the tank with drinking water.
- Switch on the 12V main switch.



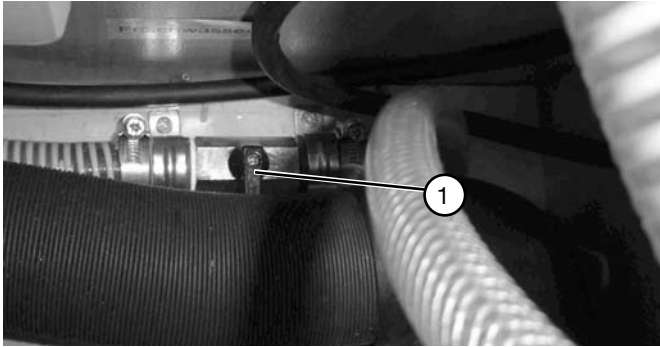
- If applicable turn on the water pump at the control panel.
- Turn all taps to “warm”; let the water run and wait until the water runs without bubbles. This is the only way to ensure that the warm water boiler is also filled with water.



Always ensure that the fresh water tank is filled before switching on the pump. The pump can be destroyed if allowed to run dry!

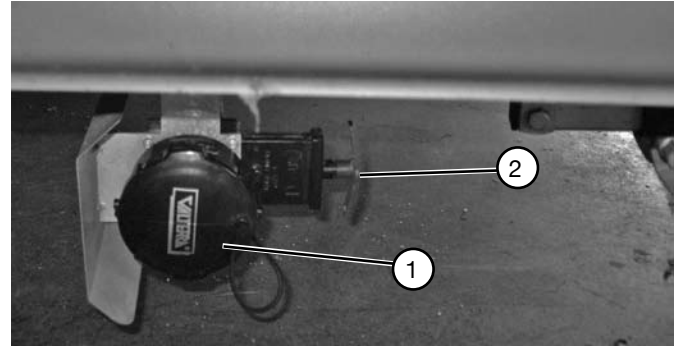


Never introduce anti-freeze or other chemicals into the water system. This can be poisonous! When operating during winter ensure that the fresh water tank is sufficiently heated.



Emptying the fresh water tank

- The drain valve (1) is located in the seating arrangement on the exterior wall next to the fresh water tank.



Emptying the waste water tank

- Use the support located underneath the vehicle to empty the waste water tank. Unscrew the cap (1), pull out the slide valve (2) and allow the waste water to drain out at disposal point.
- When the waste water has drained out completely push the slide valve back in and screw the cap back on.



Only empty your waste water tank at the specially designated disposal points and never in open spaces! As a rule disposal points can be found at motorway service stations; campsites and petrol stations.

Electric heating of the waste water tank

The waste water tank is equipped with a heating unit (approx. 40 W) which prevents the waste water from freezing if the temperature drops slightly below freezing. Following activation of the waste water heating unit from the control panel it begins operation once the temperature of the waste water falls below approx. 8°C.



Add a small quantity of antifreeze agent (e.g. table salt) to the waste water tank if temperatures are significantly below freezing to prevent the waste water from freezing.



If the vehicle is not in use and the 12 V power supply is not in operation the waste water tank is insufficiently protected from freezing. Therefore, if there is any danger of sub-zero temperatures empty the waste water tank completely.



Never pour boiling water down the sink. This can cause distortions and leaks in the waste water system.

Draining the water system

Ensure that the motor home is in a horizontal position. Turn off the 12 V power supply at the control panel. Turn on all drain cocks. If possible open the filler cap of the fresh water tank. Turn the water taps to the middle position and let them run.

Attach hand showers to the shower fitting. Check that water is draining out. Clean the tanks and rinse them thoroughly. Allow the water system to dry for as long as possible. Do not forget to empty the toilet cassette.



If the vehicle is not being used and there is a danger of sub-zero temperatures be sure to drain the entire water system. Leave taps turn on in the middle position. Leave all drain valves open.

8.2 Hot water supply

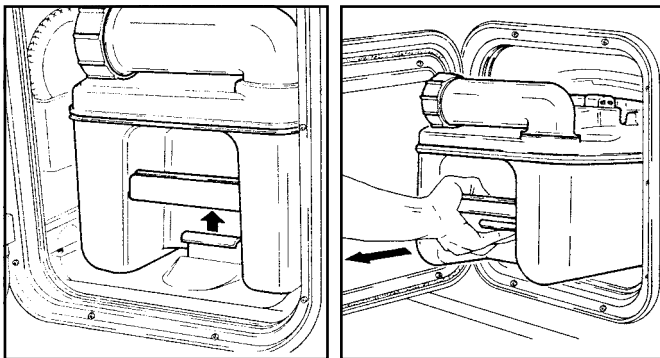
Your motor home is equipped with a heating system with integrated boiler. The boiler holds 10 litres of water. During summer use the water can be heated independently of the heating system. Please see Chapter 9.3 Heating for instructions on operating the boiler.



The non-electric safety or drain valve will automatically open at temperatures under approx. 3°C and drain the boiler contents via a drain nozzle.



If the cold water system is operated without the boiler the boiler tank will still fill with water. In order to avoid frost damage the boiler must be drained via the drain valve, even when not in use.



8.3 Flushing toilet

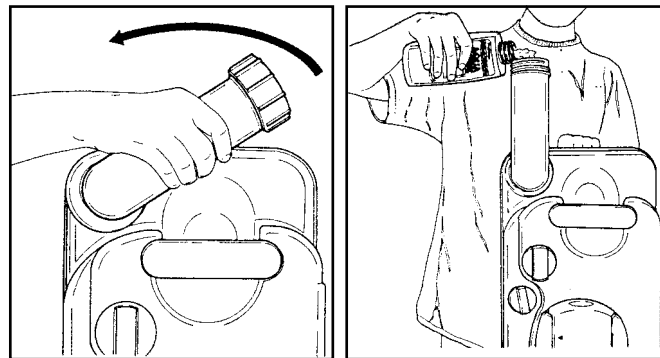
Preparing the toilet

- Open the Thetford door (see 5.1) and pull the holding bar up to remove the waste tank.



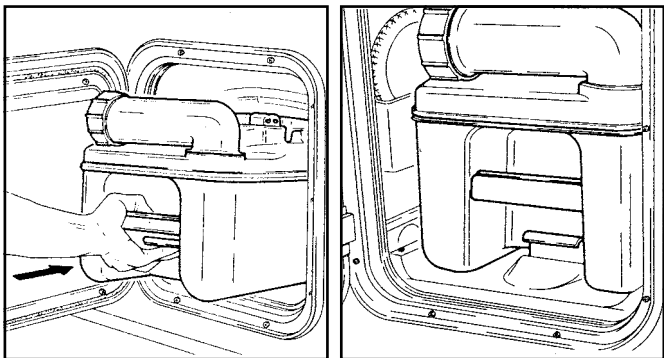
The waste tank can only be removed when the drain valve is closed.

- Pull out the tank as far as possible, keeping it level.
- Slightly tip the waste tank and then pull it out completely.
- Place it in an upright vertical position.
- Turn the drain nozzle to an upward position.



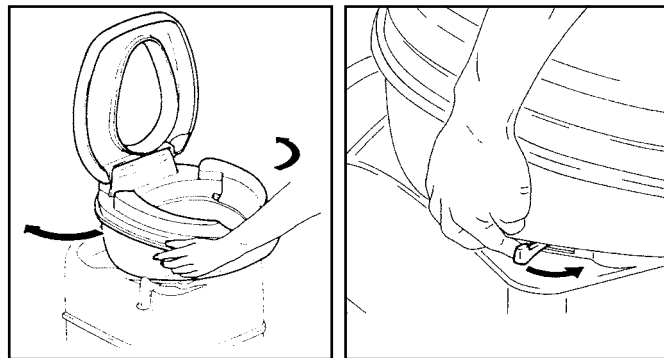
Use toilet fluids very sparingly. An overdose is no guarantee of preventing possible odours!

- Fill the waste tank with the correct amount of toilet fluids.
- Then add enough water to completely cover the bottom of the waste tank.
- Return the drain nozzle to its original position.



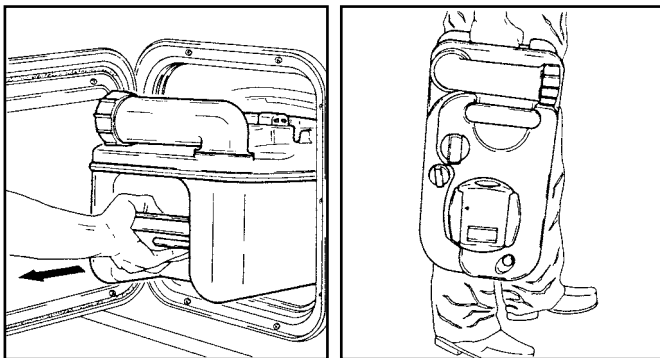
Never fill toilet fluids directly into the toilet bowl.

- Push the waste tank back into position.
- Ensure that the holding bar secures the waste tank.
- Close the service flap.



Using the toilet

- Turn the toilet bowl to a comfortable position.
- Fill the toilet bowl with a small amount of water by pressing the flush button or by opening the drain valve by pulling the valve handle under the toilet bowl towards you.
- Use the toilet.
- After use open the drain valve (if still closed) and flush. Close the drain valve after flushing.



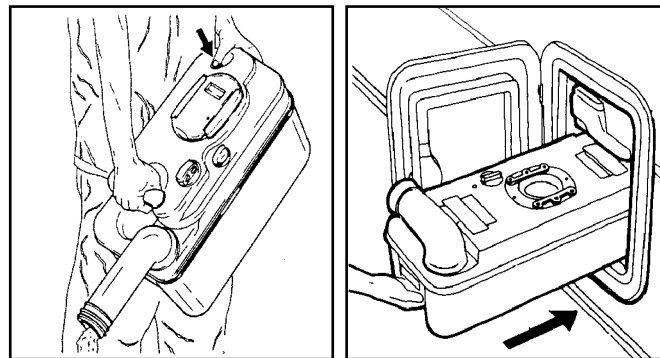
Emptying the waste tank

The waste tank must be emptied at the latest when the LED lights up. It is recommended that the tank is emptied before this. The LED lights up when the tank contains more than 15 litres. From this point in time the tank has a residual capacity of 2 litres, representing approx. 5 flushes.

- Open the toilet flap and pull the holding bar up to remove the waste tank.

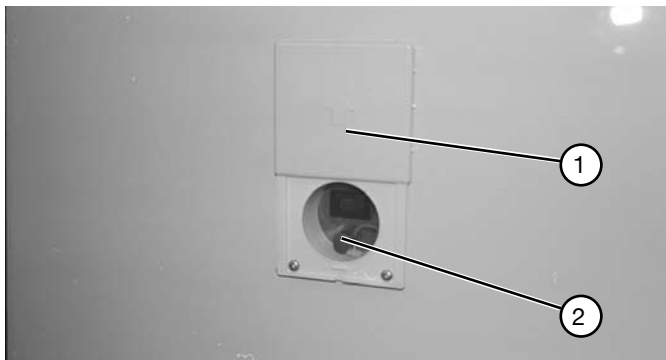


The waste tank can only be removed when the drain valve is closed.



Only empty the waste tank at specially designated disposal points and never in open spaces!

- Take the waste tank to a designated disposal site, making sure to hold the drain nozzle in an upright position.
- Remove the cap on the drain nozzle.
- Tilt the waste tank so that the drain nozzle is pointing downwards.
- Press the vent button with your thumb and hold it down. The waste tank will drain itself.
- Return the waste tank to its storage position, ensuring that it is pushed in until the holding bar locks into place.
- Lock the service flap.



Water connection for external shower (special request)

Opening

- Push the cover (1) up to gain access to the water connection.

Closing

- Remove the external shower's hose from the connection point (2) and attach the protective cover.
- Push the cover down.

Chapter 9: Gas

9.1 General safety rules when using LPG fittings

Checking the gas fittings

- Before initial operation have the LPG fittings checked by an expert.
- The gas fittings must be checked every 2 years by an LPG expert. This must be confirmed on the certificate (in accordance with Form G 607 from the German Association of Gas and Water Experts (DVGW) and EN 1949).
- The regulator and waste gas pipes must also be checked.
- We recommend that you replace the safety regulator at least every 6 years.
- The connecting hose should also be checked regularly for damage. Replace it immediately if you find tears, porous spots or similar damage.
- The operator is responsible for having checks carried out.



If you suspect that gas is leaking, take the following measures immediately:

- Close the stop valve on the gas cylinder.
- Ignition sources such as open flames or smoking are strictly forbidden.
- Air the rooms.
- Clear the danger zone.
- Inform your immediate surroundings (groundsmen) and, if necessary, the fire brigade.

The gas fittings may only be taken into operation again after they have been checked by an expert.

Built-in objects and changes

- Objects may only be built in and changes to the gas fittings made by an expert.
- Only devices with a constant connection pressure of 30 mbar may be operated.
- Following any changes to the gas fittings they must be rechecked by a recognised expert, who must provide a written confirmation.

Regulators and valves

- Pressure governors must have a fixed pressure of 30 mbar. The regulations of EN 12864, Appendix D apply accordingly. The pressure governors must have a minimum flow rate of 1.2 hx/h.
- Attach the high-pressure hose on the bottle carefully by hand (note: left-handed thread). Do not use spanners, pliers or similar tools.
- If the temperature is below 5°C use the de-frosting facility (ice-ex) for regulators.



The operating pressure for gas is 30 mbar.

Before initial operation

- The waste gas pipe must be tightly connected to the heating and chimney without any leaks. It may not be damaged.
- Keep vents clear.
- Remove any snow from the chimney.
- Clear aspirating openings for combustion air in the side all from dirt and/or snow. Otherwise, the exhaust fumes could have a CO content higher than allowed.
- Do not close the safety vents.
- Never use portable cookers or heating devices, except electric heating devices, however not radiant heaters, since they can cause fires or suffocation.



Read the manufacturer's operating manuals carefully!



9.2 Gas supply

The motor home is equipped with a propane gas system (gas bottle not included in scope of delivery). This system is used to run the following equipment:

- Cooker
- Refrigerator
- Heating
- Hot water boiler
- Oven
- Possibly special accessories

Gas bottle cabinet

Depending on the model access to the gas bottle cabinet is either via the rear storage compartment or separately in the side wall.

The gas bottle cabinet holds 2 x 11 kg propane gas cylinders (T 555 FS and & 555 AK FS 1 x 11 kg and 1 x 5 kg). These are connected to the gas pressure governor mounted on the wall by means of high-pressure hoses with integrated protection against breakage. The governor is equipped with a gas flow monitor and an integrated test connection. Therefore, operation of the heating system while driving is explicitly permitted. The cylinders are secured using two independent straps.

The following applies to the gas bottle cabinet:

- Always check the gas cylinder mountings before driving. Stand the gas cylinders upright and close the valves (unless the heating is being used while driving).
- Pull any loose straps tight.
- The high-pressure hose to the cylinders must be checked for leaks using the leak detector every time a cylinder is changed.
- The gas bottle cabinet is not suitable for storing additional items.
- The stop valves on the gas cylinders must always be easily accessible.
- Do not close the gas bottle cabinet's air vents.
- Ensure that third parties cannot gain access to the gas bottle cabinet.

Changing gas cylinders



Do not smoke or ignite open flames while changing the gas cylinders.

- Open the door of the gas bottle cabinet.
- Close the main stop valve on the gas cylinder. Pay attention to the direction of the arrow.

- Hold the hose breakage protector; unscrew the knurled nut (left-handed thread) and remove the breakage protection and the high-pressure hose from the gas cylinder.
- Loosen the fixing strap and remove the gas cylinder.
- Replace the full gas cylinder in the gas bottle cabinet and carefully fasten it using the fixing straps.
- Put the hose breakage protector and the high-pressure hose back on the cylinder and screw up the knurled nut (left-handed thread) tightly by hand.
- Open the main stop valve; press the green button on the hose breakage protector and the silver button on the SecuMotion (gas governor).
- Check that gas is not escaping from the connection point using leak detector spray.
- Close the gas bottle cabinet door.

Gas stop valves

Every gas device is fitted with a corresponding gas stop valve. The gas stop valves are located in the kitchen drawer above the cutlery tray and are labelled with the corresponding symbols.



Heating Oven Gas cooker Refrigerator

The following applies to stop valves and valves:

- All the valves on gas devices must be closed while driving. The only exception is for the valves for heating devices being used while driving.



Over the years, vibrations can cause slight leakages to occur. If you suspect that there are leakages, have your dealer or an authorised workshop for gas facilities check your system.



Never carry out leak tests near an open flame.

9.3 Heating



The LPG heating system in your motor home has been designed to allow operation while driving. The requirements of EU Guideline 2001/56/EC for heating devices have been fulfilled so that LPG cannot escape involuntarily if there is an accident.

The combined LPG heating consists of a warm air heater with an integrated hot water boiler (capacity: 10 l).

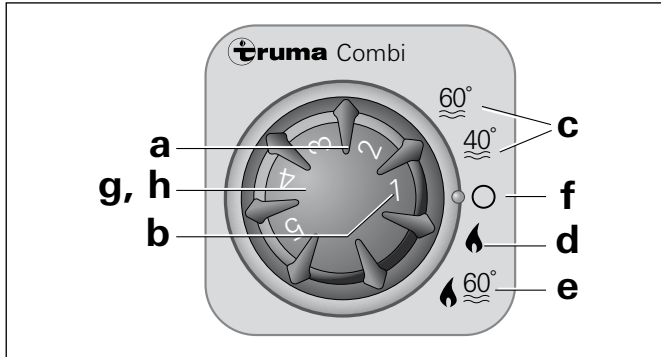
The heating system is fully operational with or without the hot water system.

Initial operation

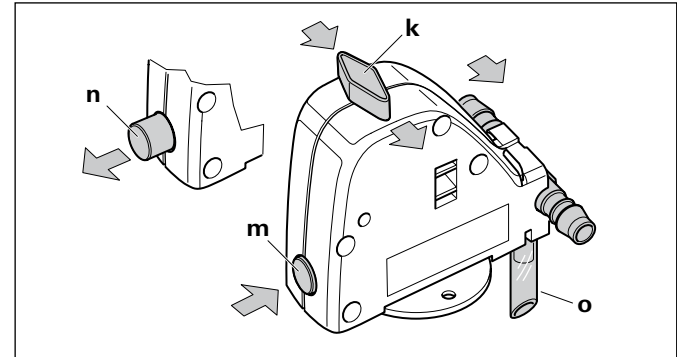
- Set the air vents in the motor home so that the warm air is blown out where required.
- Check that the chimney is clear. Remove any covers.
- Open the gas cylinder and the gas stop valve.

Operating panel

- Rotary switch for room temperature (1-5)
- green LED lights up: "ON"
green LED flashes: "COAST DOWN" to reduce the heater's temperature.



- c) Summer operation
(Water temperature 40°C or 60°C)
- d) Winter operation
(Heating without regulated water temperature or with drained water system)
- e) Winter operation
(Heating with regulated water temperature)
- f) Rotary switch "OFF"
- g) Yellow LED lights up: "BOILER HEAT-UP PHASE"
- h) Red LED lights up, red LED flashes
"MALFUNCTION": carefully clean the heater's rotary switch with a brush.



FrostControl

FrostControl is a non-electric safety or drain valve. If there is a risk of sub-zero temperatures it automatically drains the content of the boiler via a drain outlet.

If the system is under excess pressure intermittent pressure equalisation will automatically take place via the safety valve.

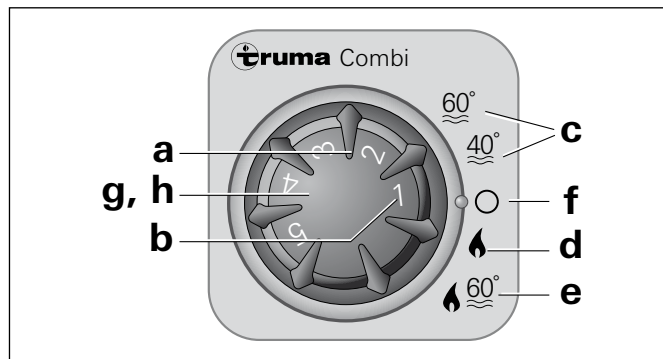
- k) Rotary switch position "ON"
- l) Push button position "CLOSED"
- m) Push button position "DRAIN"
- n) Drain outlet (to the outside through the vehicle floor)



The drain valve can only be closed manually using the push button (Position m) and the boiler filled if the valve temperature is above approx. 7°C.



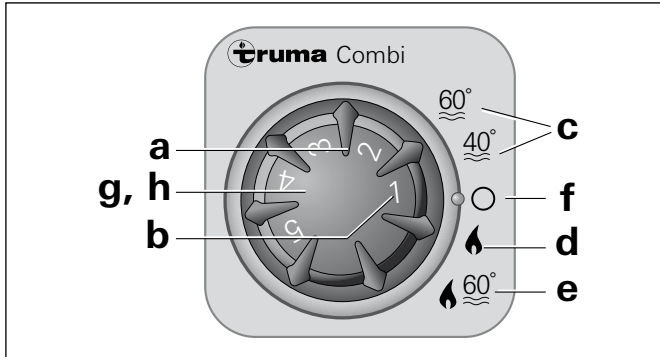
If the temperature of the safety/drain valve is lower than approx. 3°C, the push button will be ejected (Position n) and the contents of the boiler will be drained off via the drain outlet (o).



Summer operation

- Turn the rotary switch on the operating panel to Position c (summer operation 40°C or 60°C).

The green (b) and yellow (g) LEDs will light up. When the water temperature selected (40°C or 60°C) has been reached, the burner will turn off and the yellow LED (g) will go out.



revert back to the lowest setting and heat the water in the boiler to 60° C. The yellow LED (g) will go out when the water temperature has been reached.

Heating without regulated water temperature

- Set the rotary switch to operating position (d).
- Turn the rotary button (a) to the desired thermostat setting (1-5).

The green LED (b) for operation lights up and simultaneously displays the setting for the room temperature selected. The yellow LED (g – warming-up phase for the water) only lights up at water temperatures below 5°C. The device will automatically select the performance level required.

When the room temperature set on the operating panel has been reached the burner will turn off. The warm air blower will continue to run at a low rotation speed as long as the air emission temperature (of the device) is above 40°C. If the boiler is full the water will automatically also be heated. The water temperature will depend on the heat produced and the duration of heating required to reach the room temperature selected.

Winter operation

Heating with regulated water temperature

- Set the rotary switch to operating position (e).
- Turn the rotary button (a) to the desired thermostat setting (1-5).

The green LED (b) for operation lights up and simultaneously displays the setting for the room temperature selected.

The yellow LED (g) indicates the warming up phase for the water. The device will automatically select the performance level required. When the room temperature set on the operating panel has been reached the burner will

Heating with drained water system

- Set the rotary switch to operating position (d).
- Turn the rotary button (a) to the desired thermostat setting (1-5).

The green LED (b) for operation lights up and simultaneously displays the setting for the room temperature selected. The yellow LED (g) only lights up if the temperature of the device is below 5°C. The device will automatically select the performance level required.

When the room temperature set on the operating panel has been reached the burner will turn off.

Turning off

- Turn the heater off using the rotary switch (position f). The green LED (b) will go out.



If the green LED (b) flashes after the device has been turned off, a coast-down phase to reduce the device's temperature is being carried out. This will finish after a few minutes and the green LED (b) will go out.



In the case of malfunction, the red LED (h) will light up. Please check the manufacturer's instructions to determine possible causes of malfunction.

Filling up the boiler

- Close the drain valve by pushing the button until it locks into place.
- Turn on the 12V power supply by turning on the main switch on the control panel.
- Turn on all taps and set them to "warm". Leave them on until the boiler fills up due to the air displacement.



At temperatures below approx. 7°C turn on the heating first in order to warm up the installation area and the FrostControl on the drain valve. After a few minutes, when the temperature on the FrostControl is above 7°C, the drain valve can be closed.

Draining the boiler

- Turn off the 12V power supply at the control panel.
- Turn on the hot water taps.
- Turn the rotary switch on the drain valve 180° until it locks into place (the push button will be ejected), the drain valve will open and the boiler contents will drain off to outside.

9.4 Refrigerator

Modes of operation

Three modes of operation are possible for the refrigerator.

- 12 V operation: electricity is supplied by the motor home's battery.
- 230 V operation: electricity is supplied from an external source.
- LPG: supply is from the motor home's gas bottles


Refrigerators manufactured by Dometic or Thetford can be used.



Before initial operation, please refer to the manufacturer's operating instructions.

12 V operation

12 V operation can only be used while driving, when the motor is running. When resting or if you have stopped for a longer period of time, turn off the 12 V operation and, if required, select another mode of operation.

- Turn the energy selector switch to battery operation. 
- 12V operation will only function if the vehicle's motor is running.

- The refrigerator runs without a thermostatic control (continuous operation). 12 V operation should, therefore, only serve to maintain a temperature which has already been achieved.
- To turn the refrigerator off turn the energy selector switch to the O position.

230 V operation

- Turn the energy selector switch to mains.
- Set the temperature using the thermostat.
- To turn the refrigerator off turn the energy selector switch to the O position.



Gas operation

- Turn the energy selector switch to gas operation.
- Open the main stop valve on the gas cylinder and the “Refrigerator” gas stop valve.
- Turn the thermostat to the highest setting and keep it pressed down. The refrigerator will either automatically ignite or by pressing the button for manual ignition (depending on the model).
- When the pilot light has ignited, let go of the thermostat. Repeat the previous step if there has not been ignition.
- Set the cooling temperature using the thermostat.



- To turn the refrigerator off turn the energy selector switch to the O position
- Close the main stop valve on the gas cylinder and the “Refrigerator” gas stop valve.

Refrigerator door lock



While driving, the refrigerator door must always be closed and locked.

The refrigerator door has an automatic lock. If the door is closed and pushed firmly it will lock automatically. Thetford models have an additional safety catch underneath them. Dometic refrigerators can be secured using an additional door lock bolt.



To avoid mould or unpleasant odours always lock the refrigerator door in the ventilation position when the refrigerator is turned off.



Never use the cooker or other devices extracting combustion air from the interior of the vehicle to heat the vehicle. If this is ignored there is an acute risk to life due to a lack of oxygen and the odourless carbon monoxide which could be generated.



Do not operate the cooker when the glass covering is closed.

9.5 Gas cooker

The kitchen in the motor home is equipped with a gas cooker with three burners.

Before initial operation

- Open the bottle valve and the quick-action stop valve in the gas pipe.
- Open the skylight or the kitchen window
- Ignition points which must be pressed for ignition when turning on the gas device should spring back to their original position after being pressed.



Operation

- Open the tinted glass covering (1).
- Turn the rotary switch (2) of the burner you wish to use to the ignition position (large flame) and press.
- Ignite the burner with a gas lighter or a match or cigarette lighter.
- Continue to press the rotary switch for a further 5-10 seconds to ensure that the automatic flame guard takes effect.
- Release the rotary switch (2) and turn to the desired setting (large or small flame).
- If ignition was unsuccessful, repeat the procedure.

- To turn off the gas flame, turn the rotary switch back to the “0” position
- Close the main gas stop valve on the gas cooker.



Use oven gloves or potholders when handling hot pots, pans or similar objects. You may be burned!



After cooking, leave the glass covering open until the burner no longer emits heat. Otherwise, the glass plate could explode.



Never store easily flammable objects such as dishtowels, serviettes, etc. near the cooker. Danger of fire!

9.6 Oven



- Do not close the air vents on the oven.
- Only use the oven after making a 230 V or 12 V mains connection (automatic ignition).
- A skylight or window must be open when the oven is in operation.



- The oven door must remain open during the ignition process.
- If there is no ignition repeat the procedure from the beginning.
- In the event the pilot light is extinguished by mistake set the rotary switch to the “0” position and leave the pilot light out for at least one minute before reigniting it.
- Never operate the oven when it is empty (no food inside).
- Never use the grill (special accessory) for longer than 25 minutes.
- Never use the oven to heat the motor home.

Switching on

- Turn on the 12 V power supply at the main switch of the control panel.
- Open the main stop valve on the gas cylinder and the gas stop valve “Oven”.
- Open the oven door as far as it will go.
- Position the oven rack or baking tray in such a way that there is no direct contact with the flame.
- Gently press the rotary switch and set it to the desired ignition position (oven or grill).
- Press the rotary switch. Gas will be released to the burner and the flame will ignite automatically.
- Depress the rotary switch for a few seconds until the ignition safety valve keeps the gas supply open.
- Release the rotary switch and set it to the desired level of performance (oven only).
- Close the oven door carefully so that the flame is not extinguished.

Switching off

- Turn the rotary switch to the “0” position. The flame will be extinguished.
- Close the main stop valve on the gas cylinder and the gas stop valve “Oven”.

Chapter 10: Maintenance and Care

10.1 Maintenance

Maintenance intervals

There are stipulated maintenance intervals for the motor home and its equipment.



Also note the maintenance intervals for the basic Ford vehicle.

The following applies for maintenance intervals:

- Have the first maintenance carried out by a HOBBY dealer 12 months after the vehicle was first registered.
- All further maintenance should be carried out once a year by a HOBBY dealer.
- The maintenance of the basic vehicle as well as all built-in equipment should be carried out at the intervals given in each operating manual.



The gas fittings must be checked every 2 years by an expert for LPG and confirmed on the certificate in accordance with DVGW G 607 and EN 1949.



The operator of the vehicle is responsible for having maintenance carried out on schedule.



Replace the safety regulator for gas at least every 6 years!



For safety reasons, spare parts for equipment must conform with the manufacturer's instructions and must be installed by him or a duly authorised representative.

10.2 Airing

For a comfortable climate inside the caravan, there must be sufficient ventilation. This also avoids corrosive damage due to condensation.

Condensation is caused by

- insufficient volume inside the caravan
- breathing and perspiration of the passengers
- bringing in damp clothing
- operating a gas cooker



Ensure that there is a sufficient exchange of air to avoid damages due to the build-up of condensation!

10.3 Care

Cleaning the exterior

The vehicle should not be washed more often than necessary.



Wash the vehicle only in places provided for this purpose.



Using cleaning materials sparingly. Aggressive cleansers, such as wheel rim cleaners, damage the environment.



Only wash the vehicle at sites designated for this purpose. Avoid direct exposure to sunlight and adhere to environmental protection measures.

Do not use cleaning agents containing solvents.

The following applies when cleaning the exterior:

- Rinse the vehicle with a weak jet of water.
- Wash the vehicle with a soft sponge and a commercial shampoo solution. Rinse the sponge often.
- Then rinse with a generous amount of water.
- Dry the vehicle with a suede cloth.
- After washing the vehicle, leave it standing outside to dry off completely.



Dry the headlights and sockets thoroughly, as water collects there easily.

Washing with a high pressure cleaner



Do not spray stickers and external decors directly with the high pressure cleaner as they could peel away as a result.

Before washing the motor home with a high pressure cleaner, study its operating manual carefully. During washing maintain a minimum distance of 700 mm between the motor home and the high pressure cleaner. Please note that the water jet is under pressure when it comes out of the cleaning nozzle. Incorrect handling of the high pressure cleaner can result in damage to the motor home. The water temperature should not exceed 60°C. Keep the water jet moving while washing. The jet should not be pointed directly at gaps around doors; gaps around windows; acrylic windows; electric attachments; the exhaust chimney; refrigerator grille; connectors; seals; service flaps or skylights as this could damage the vehicle or result in water penetrating inside the vehicle.

The following applies when waxing the surfaces:

- The varnished surfaces should be treated occasionally with wax. Follow the application instructions given by the wax manufacturers.

The following applies when polishing the surfaces:

- In exceptional cases, use polish to refinish weathered varnished surfaces. We recommend solvent-free polishing paste.



Use polish only in special cases and as seldom as possible, because polish removes the top layer of varnish. Frequent polishing causes extreme wear.

The following applies for tar and resin stains:

- Tar and resin stains as well as other organic stains can be removed with petroleum ether or spirits.



Do not use aggressive solutions such as products containing ester or ketone.

The following applies for damages:

- Repair damages immediately to avoid further damages due to corrosion. Ask your HOBBY dealer for assistance.

Skylights, windows and doors**The following applies for their care:**

- Rub the rubber seals around doors and windows lightly with talcum powder.
- Clean acrylic glass panes only with a clean, wet sponge and a soft cloth. Cleaning with a dry cloth may scratch the panes.



Do not use strong and aggressive solutions that contain softeners or solvents!



You will find talcum powder in auto accessory shops.

Cleaning the interior**The following applies for cushions, upholstery and curtains:**

- Clean cushions with a soft brush or Hoover.
- Have very dirty upholstery and curtains dry-cleaned. Do not wash them yourself!

- If necessary, wash them carefully using the foam from mild-action detergent.

The following applies for carpeted floors:

- Clean with a Hoover or brush.
- If necessary, treat with carpet shampoo or a shampooing machine.

The following applies for furniture surfaces:

- Clean the surface of wooden furniture with a damp cloth or sponge.
- Rub dry with a dust-free cloth.
- Use mild furniture polish.



Never use strong cleansers or intensive furniture polish, because this could scratch the surface!

The following applies for the toilet:

- Clean with a neutral liquid cleanser and a cloth that does not scratch.



Never use strong cleansers in the toilet!

Accessories

The following applies for their care:

- Clean plastic parts (e.g. fenders, skirts) with water of up to 60° C and mild household cleansers.
- Clean greasy or oily surfaces with spirits.
- If necessary, lubricate door hinges and leveling supports.
- Clean fresh water pipes, the fresh water and waste water tanks once a year.



Do not use strong cleansers, because these could scratch the surface!



Remove all spray cans containing cleansing and care solutions from the vehicle after you have finished! Otherwise they may explode if the temperature exceeds 50° C!

10.4 Winter operation

Preparations

Thanks to the overall vehicle design your motor home is suitable for winter operation to a limited extent. For real winter use we recommend making improvements to your motor home in accordance with your personal taste. Your dealer will be happy to advise you.

The following applies for preparations:

- Check the vehicle for damage to varnish or rust. If necessary, repair damage.
- Ensure that water cannot penetrate into the ventilation systems or the heating system.
- Protect the metal parts of the underbody against rust with a wax preservative.
- Use a suitable material to preserve the exterior varnished surfaces.
- Fill the fuel tank with low temperature diesel; add antifreeze to the windscreen wash water and check the cooling fluid.

Winterizing your vehicle

In general:

- Only leave your motor home in a closed space if it is dry and easy to air. Otherwise, it is better to leave your motor home in the open.

The following applies for the interior fittings:

- Empty the refrigerator and clean it. Leave the refrigerator door open.
- Leave storage compartments and cupboards open to air.
- Place cushions and mattresses in such a way that they will not come into contact with condensation.
- If necessary, heat the motor home to avoid mildew due to condensation.
- Set up a dehumidifier and dry or change the granulate regularly.
- Disconnect batteries; ideally, remove them and check once a month if they are still charged, otherwise charge them.
- Turn off the 12 V master switch.

The following applies for the exterior of the caravan and the basic vehicle:

- Use a suitable material to preserve exterior varnished surfaces.

- Protect the metal parts of the underbody against rust with a wax preservative.
- To care for the wheels, jack up the vehicle or move it from one spot to another every two months.
- Use a tarpaulin, leaving space between it and the vehicle to ensure sufficient airing.
- Leave the compulsory ventilation open.
- Air your motor home thoroughly every three to four weeks.
- Check the antifreezer in the cooling circuit, refilling if necessary.

The following applies for containers:

- Empty the fresh water tank with a pump or waste valve and clean it.
- Empty and clean the waste water tank.
- Empty and clean the WC tank.
- Completely empty the water heater by switching the fresh water pump on the on-board control centre to “off” and opening all faucets.
- Close the main stop valve on the gas cylinder and all separate gas stop valves. Always remove the gas cylinders from the gas bottle cabinet, even if they are empty.



Also note the information and operating instructions given by the manufacturers of the built-in equipment.

Operating in winter

During operation in winter, condensation is caused when using the vehicle in low temperatures. Sufficient ventilation is extremely important to ensure that the quality of the air inside the vehicle is good and to avoid damages to the vehicle caused by condensation.

The following applies for ventilation:

- When heating the vehicle, turn up the heating to the highest position and open the cupboards in the ceiling, curtains and blinds. This ensures optimum ventilation.
- Air all cushions in the morning; air the storage compartments and dry damp spots.

Frost protection

If the interior is sufficiently heated, the fresh water tank, water pipes and water heater should not freeze.

The following applies for the waste water tank:

- At very low temperatures, turn on the tank heating system and, if necessary, add antifreeze or common salt to the waste water.

- Store waste water outside of the vehicle
- Leave the waste water tank drain outlet open.



If, despite this, condensation should build up somewhere, simply wipe it away.

At the end of the winter season

The following applies for the care of the vehicle:

- Thoroughly wash the underbody and the motor. This removes corrosive thawing agents (salts, alkali).



Wash the vehicle only in places provided for this purpose.



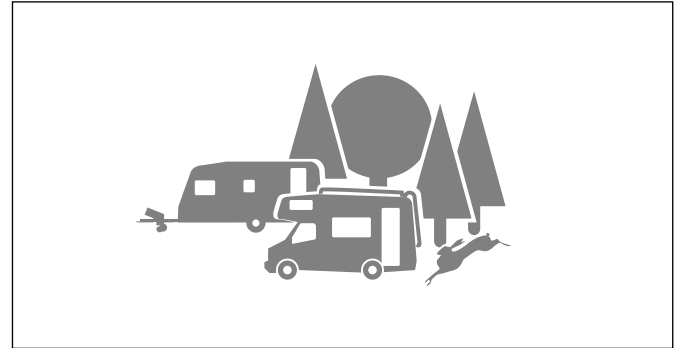
Using cleaning materials sparingly. Aggressive cleansers, such as wheel rim cleaners, damage the environment.

Chapter 11: Sanitation and Environmental Protection

11.1 The environment and traveling

Environmentally fair use

It is only natural that owners of motor homes and caravans have a special responsibility for the environment. Always use your vehicle in an environmentally friendly way.



The following applies for environmentally fair use:

- When spending longer periods in towns and cities ask about specially designated campsites for motor homes and use them.
- Do not spoil the peace and cleanliness of nature.
- Dispose of waste water and rubbish in the proper way.
- Set an example so that motor home and caravan drivers are not generally held to be pollutionists.

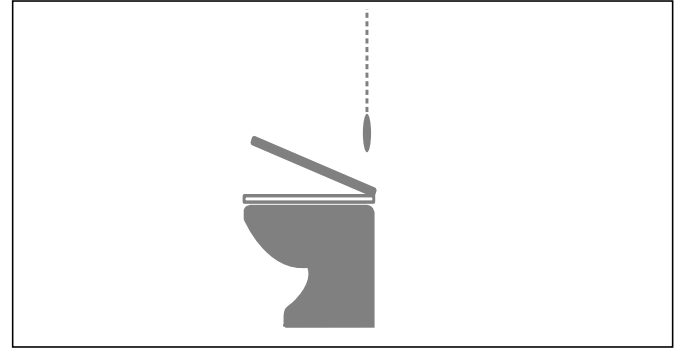


The following applies for waste water:

- Collect waste water on board only in built-in waste water tanks or, if necessary, in suitable containers!
- Never empty waste water in open spaces or down man-holes! Generally, the public waste water system does not run through clarification plants.
- Empty your waste water tank as often as possible, even if it is not completely full (hygiene). If possible, rinse out the waste water tank with fresh water after emptying.



Only empty your waste water tank in special places for waste water disposal, but never in open spaces! Generally, waste water stations are found in motorway service areas, campsites or petrol stations.



The following applies for wastes:

- Only use approved sanitary cleansing products in the waste tank.



You may be able to avoid the use of sanitary liquids by installing an activated carbon filter system (sold as an accessory)!



Use sanitary liquids very sparingly. An overdose is no guarantee of preventing odours!

Sanitation

- Never allow the waste tank to become too full. Empty the tank immediately as soon as the level indicator lights up.
- Never empty wastes down manholes! Generally, the public waste water system does not run through clarification plants.



Empty the waste tank in special places for sanitary disposal, but never in open spaces!



The following applies for waste:

- Separate your waste and put appropriate materials in the recycling bins.
- Empty waste bins as often as possible in the appropriate bins or containers. This avoids unpleasant and problematic waste from building up on board.

The following applies for picnic spots:

- Always leave picnic spots clean and tidy, even if you dispose of someone else's waste.



Careful use of the environment is not only in the interest of nature, but also of motor home and caravan drivers everywhere!

11.2 Returning the vehicle

If you should ever have to give up your motor home and have it recycled, the manufacturer of the basic vehicle is responsible for taking it back (status at the time of printing).

This means that your HOBBY motor home will be taken back free of charge by any Ford dealer and expertly recycled.

Chapter 12: Technical Data

12.1 Weights according to 92/21/EWG

Model	Series	Weight of basic vehicle	Driver	Diesel [kg]	Basic equipment	Mass when vehicle is ready to start	Techn. perm. overall weight	Overload weight	No. of seats	Conventional loading	Overload weight	Length of vehicle	Personal equipment	Remaining overload weight
T 500 GFSC	Van (A)	2446	75	68	121	2710	3500	790	4	225	565	6,1	101	465
T 500 GFSC	Van Exclusive (K)	2426	75	68	121	2690	3500	810	4	225	585	6,1	101	485
T 500 GESC	Van Exclusive (K)	2531	75	68	121	2795	3500	705	4	225	480	6,8	108	373
T 555 FS	Siesta (C)	2490	75	68	116	2749	3500	751	4	225	526	5,8	98	428
T 600 FC	Siesta (C)	2565	75	68	121	2829	3500	671	3	150	521	6,4	94	427
T 600 GFLC	Siesta (C)	2620	75	68	121	2884	3500	616	4	225	391	6,4	104	287
T 600 GFS	Siesta (C)	2635	75	68	121	2899	3500	601	4	225	376	6,4	104	272
T 650 FLC	Siesta (D)	2791	75	68	121	3055	3850	795	4	225	570	7,1	111	459
T 650 FLC	Siesta (D)	2791	75	68	121	3055	3500	445	4	225	220	7,1	111	110
T 650 GFLC	Siesta (D)	2831	75	68	121	3095	3850	755	4	225	530	7,1	111	419
T 650 GFLC	Siesta (D)	2831	75	68	121	3095	3500	405	4	225	180	7,1	111	70
T 555 AK LC	Siesta (C)	2605	75	68	121	2869	3500	631	4	225	406	5,8	98	308
T 555 AK FS	Siesta (C)	2585	75	68	116	2844	3500	656	4	225	431	5,8	98	333
T 600 AK GFLC	Siesta (C)	2732	75	68	121	2996	3500	504	4	225	279	6,4	104	175
T 650 AK FLC	Siesta (D)	2854	75	68	121	3118	3850	732	4	225	507	7,1	111	396
T 650 AK FLC	Siesta (D)	2854	75	68	121	3118	3500	382	4	225	157	7,1	111	47
T 650 AK GFLC	Siesta (D)	2886	75	68	121	3150	3850	700	4	225	475	7,1	111	364
T 650 AK GFLC	Siesta (D)	2886	75	68	121	3150	3500	350	4	225	125	7,1	111	15
T 650 AK KLC	Siesta (D)	2846	75	68	121	3110	3850	740	4	225	515	7,1	111	404
T 650 AK KLC	Siesta (D)	2846	75	68	121	3110	3500	390	4	225	165	7,1	111	55

These figures refer to the standard vehicle without extra equipment. Deviations of up to 5 % are possible.

12.2 Inflation pressures

Tyres	Tyre pressure (bar)	Basis
	Michelin XC Camping	
215/75 R 16 C	front: 3,5 rear: 5,5	FORD
	other tyre manufacturers*	
185/75 R 16 C	front: 4,7 rear: 3,5	FORD
215/75 R 16 C	front: 3,5 rear: 4,75	FORD

* These tyre inflation pressures are only valid for standard tyres by alternative manufacturers (e.g. Continental, Goodyear, etc.)

12.3 Tyres and rims for basic motor home vehicles

Hobby Model	Series	Techn. perm. overall weight [kg]	Perm. axle load front	rear	Basic model with steel rims			Basic model with LM rims			
					Tyre size	Wheel attachment*	Steel rims	Tyre size	Wheel attachment*	LM rims	Rim designation
T 500 GFSC	Van (A)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 500 GFSC	Van Exclusive (K)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 500 GES	Van Exclusive (K)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 555 FS	Siesta (C)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 FC	Siesta (C)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 GFLC	Siesta (C)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 GFS	Siesta (C)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 650 FLC	Siesta (D)	3850	1750	2600	185/75 R 16 C	6 / 139 / 178	5 J x 16, ET 107	---	---	---	---
T 650 GFLC	Siesta (D)	3850	1750	2600	185/75 R 16 C	6 / 139 / 178	5 J x 16, ET 107	---	---	---	---
T 555 AK LC	Siesta (C)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 555 AK FS	Siesta (C)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 AK GFLC	Siesta (C)	3500	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 650 AK FLC	Siesta (D)	3850	1750	2600	185/75 R 16 C	6 / 139 / 178	5 J x 16, ET 107	---	---	---	---
T 650 AK GFLC	Siesta (D)	3850	1750	2600	185/75 R 16 C	6 / 139 / 178	5 J x 16, ET 107	---	---	---	---
T 650 AK KLC	Siesta (D)	3850	1750	2600	185/75 R 16 C	6 / 139 / 178	5 J x 16, ET 107	---	---	---	---

* No. of tyre bolts / centralising collars / bolt circle

The Borbet CG65650 light alloy rim with identical measurements to the CWC65640 16" rim has also been approved as an alternative.

Tyres and rims for loaded motor homes

					Basic model with steel rims			Basic model with LM rims			
Hobby Model	Series	Techn. perm. overall weight [kg]	Perm. axle load front	rear	Tyre size	Wheel attachment*	Steel rims	Tyre size	Wheel attachment*	LM rims	Rim designation
T 500 GFSC	Van (A)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 500 GFSC	Van Exclusive (K)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 500 GES	Van Exclusive (K)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 555 FS	Siesta (C)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 FC	Siesta (C)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 GFLC	Siesta (C)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 GFS	Siesta (C)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 650 FLC	Siesta (D)	---	---	---	---	---	---	---	---	---	---
T 650 GFLC	Siesta (D)	---	---	---	---	---	---	---	---	---	---
T 555 AK LC	Siesta (C)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 555 AK FS	Siesta (C)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 600 AK GFLC	Siesta (C)	3850	1750	2250	215/75 R 16 C	5 / 65 / 160	5½ J x 16, ET 56	215/75 R 16 C	5 / 65 / 160	6½ J x 16, ET 60	CWC65640
T 650 AK FLC	Siesta (D)	---	---	---	---	---	---	---	---	---	---
T 650 AK GFLC	Siesta (D)	---	---	---	---	---	---	---	---	---	---
T 650 AK KLC	Siesta (D)	---	---	---	---	---	---	---	---	---	---

* No. of tyre bolts / centralising collars / bolt circle

The Borbet CG65650 light alloy rim with identical measurements to the CWC65640 16" rim has also been approved as an alternative.

12.4 Accessory weights

Object	Weight [kg]	Object	Weight [kg]
Additional power socket 12 V	0.5	Headrests rear "Quicklift 330/380" for T 650	9.0
Additional power socket 230 V	0.5	Headrests rear "Quicklift easy" for Van	7.0
Air conditioning system Dometic B2200	34.0	Heated waste water tank (FrostControl + rubber spout)	0.5
Alloy wheels 16"(4 pieces)	0.0	Hobby ALL INCLUSIVE-Paket Siesta T 650 ...	49.5
Bedspread	1.5	Hobby ALL INCLUSIVE-Paket Siesta up to T 600 ...	48.5
Bicycle carrier for 2 bicycles (Ford)	8.0	Hobby ALL INCLUSIVE-Paket Van	62.5
Bicycle carrier for 3 bicycles (Ford)	8.3	Hobby ALL INCLUSIVE-Paket Van Exclusive	78.5
Carpet for driver's cabin	2.0	Hub caps 16"for 2 axle vehicles	3.5
Carpet for living area	6.0	Indirect lighting, ceiling	1.0
CD Radio	2.0	Indirect lighting, wall (MSG)	1.0
Cooker extractor hood	3.0	Insect screen for entry door	3.5
Cruise control WAECO for FORD	1.5	Insulation mats for driver's cabin	2.0
Dashboard, real wood, burl wood model	0.5	Leather seating arrangement	12.0
DVB- T Receiver (Radix DT 2000 TM)	1.5	Loudspeakers (additional) in living area	2.0
DVD navigation system with video system for reversing,		Motorcycle carrier Liger Alu	29.0
Kenwood KNA-G300 (Ford)	3.3	Motorcycle track for garage	7.5
Extendable shelf for flat-screen TV	3.0	Motorization 2.2 TDCi (130 / 140 bhp) instead	
External shower	0.5	of 2.2 TDCi (110 bhp)	2.0
External socket for gas	1.0	Mud flaps, rear or front	2.0
Ford air conditioning	21.0	Narcotic gas warning device	1.0
Ford central locking + remote control	3.0	Oven SMEV M.31 11 FGT INOX	16.0
Ford KOMFORT Paket Siesta T 650 ...	61.0	Parking distance control system	2.0
Ford KOMFORT Paket Van and Siesta up to T 600 ...	43.0	Refrigerator/oven TecTower instead of standard refrigerator	12.0
Front tent light (Dometic)	0.5	Remifront dimming system for driver's cabin (pleated)	3.5
Gas level display Gim Plus	1.0	Roof rail and rear ladder Siesta	18.0
Gel battery 2 units 110 Ah instead of 80 Ah	41.0	Roof rail FORD additional cross bar	1.6
Gel battery 80 Ah (additional)	28.0	Roof rail Ford Van	3.0
Goldschmitt additional pneumatic spring	12.0	SAT receiver analogue or digital	2.0

Object	Weight [kg]
Seat covers for driver's and passenger's seats	2.3
Skylight driving cab	5.9
Skylight Midi Light 700 x 500 instead of Mini Light 400 x 400	4.5
Solar system with 2 modules, each 55 W	7.0
Sun awning Omnistor, 300 x 250 cm	23.0
Sun awning Omnistor, 350 x 250 cm	27.0
Sun awning Omnistor, 400 x 250 cm	31.0
Sun awning Omnistor, 450 x 275 cm	42.0
Sun awning, fully integrated, 300 x 250	39.0
Sun awning, fully integrated, 350 x 250	43.0
TELECO satellite system Magicsat 65 cm	16.0
TELECO satellite system Magicsat 85 cm	18.0
Tow bar coupling for FORD T	22.0
Tow bar coupling for Ford T rear-wheel drive	25.0
Tow bar coupling, fixed for FORD VAN	20.0
Truma heating system 6E instead of Combi 6	1.1
Truma heating system Combi 6E instead of Combi 4	1.1
Video system for reversing with flat-screen monitor	2.0
Waste bin or fixture for hanging up bags	1.0
Winter cover for refrigerator grille	0.5

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Calculating masses for HOBBY motor homes

The following table enables you to calculate the mass of your own motor home on the basis of the mass data given in this manual. This calculation must always result in a positive remaining load in order to fulfil current legal requirements.

To determine your remaining load, simply subtract the "mass when the vehicle is ready to start", the "conventional load", all "additional equipment" as well as your "personal luggage" from the "technically permissible overall mass". Simply enter the date for your personal motor home in the table on the next page. If you have any questions or if anything is unclear, your HOBBY dealer will be pleased to assist you.

Your
HOBBY Motor Home Plant
Ing. Harald Striewski GmbH

Model:

Technically permissible overall mass:		
Mass when the vehicle is ready to start (incl. gas, water, electricity, driver and fuel):	-	
Conventional load (no. of seats [excl. driver] x 75 kg):	-	
Additional equipment:		
1.)	-	
2.)	-	
3.)	-	
4.)	-	
5.)	-	
6.)	-	
7.)	-	
8.)	-	
9.)	-	
10.)	-	
11.)	-	
12.)	-	
13.)	-	
14.)	-	
15.)	-	
Personal luggage = $(10 \times N) + (10 \times L)$:	-	
N - Total number of seats (incl. driver)		
L - Length of vehicle in meters		
Remaining load:		



Under no circumstances may the technically permissible overall mass of the motor home be exceeded!