LUANO CAMP

(in)service

1.11

EN User and maintenance manual

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Dear Customer,

We'd like to first thank you for choosing this motorhome manufactured by LUANO CAMP SRL.

We advise that you observe all the instructions and warnings contained in this manual in order to ensure that your purchase gives you maximum satisfaction.

It is essential to read the manual carefully and to always keep it in your motorhome, as it contains information on the use and maintenance of your vehicle, as well as important indications for the safety of the motorhome, its passengers and the environment.

The information in the different sections of the manual also covers components and optional extras which can be installed.

To ensure the correct use and adequate maintenance of the vehicle, using and consulting the manual are of the utmost importance.

LUANO CAMP SRL does not accept responsibility for damages and/or malfunctions arising from the failure to observe the instructions provided in the manual, which has been carefully designed to guarantee satisfactory and safe use. The information, illustrations, etc. on the following pages are based on information available at the time of printing and are provided for illustrative purposes only.

LUANO CAMP SRL reserves the right to make modifications without notice to vehicles as it deems appropriate.

INTRODUCTION

Please read your motorhome's operating instructions carefully before using it for the first time

The symbols used in this manual are indicated below, along with their definitions. Particular attention must be paid to the parts marked with the following symbols and their meanings.



ATTENTION
Failure to observe this symbol may endanger people



CAUTION
Failure to observe this symbol may also damage the vehicle and/or its interior



TIPS
This symbol indicates tips and/or advice



ENVIRONMENT
This symbol indicates environmentally-friendly aspects

English

VEHICLE IDENTIFICATION DATA

CHASSIS NO.

- The location of the chassis identification number plate can be found in the manufacturer's User and Maintenance manual provided with the motorhome.
- The chassis number is indicated on the vehicle registration certificate.

MOTORHOME IDENTIFICATION NUMBER

The identification data of the motorhome are indicated on the LUANO CAMP information plate located on the outer side of the passenger seat (Fig. 1). The owner of the motorhome must have this information to hand whenever communicating with LUANO CAMP.

The following vehicle identification details are located on the plate (Fig. 2).

A Homologation number

B Model number

C Manufacturer identification number

D Maximum permitted vehicle weight at full load

E Maximum permitted vehicle weight at full load with trailer

F Maximum weight permitted on front axle

G Maximum weight permitted on rear axle

H Chassis number

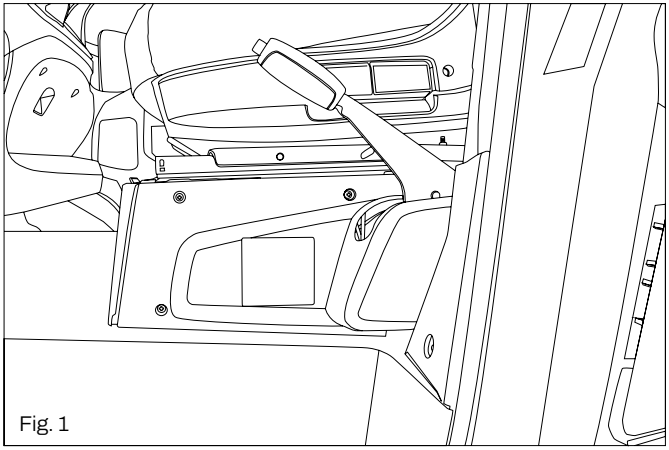


Fig. 1

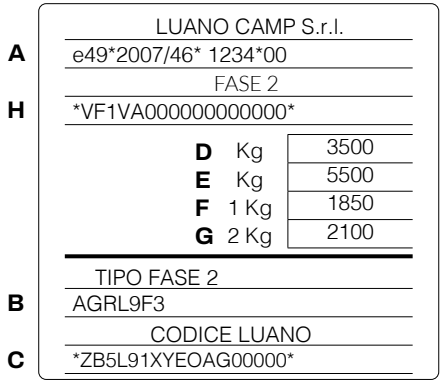


Fig. 2

VEHICLE MASS DESCRIPTION

MAXIMUM TECHNICALLY PERMISSIBLE LADEN MASS:
Maximum vehicle weight at full load authorised by the manufacturer (see page 6, letter D). This weight must never be exceeded.

VEHICLE UNLADEN WEIGHT:
BASE weight of the vehicle without liquids or driver.

MASS IN RUNNING ORDER:
The weight of the empty BASE vehicle with driver (75 kg), fuel tank 100% full, clean water tank 90% full (filled with 20 litres whilst travelling), one gas cylinder for living purposes (15 kg). This is calculated according to Directive 2007/46/EC, which allows a tolerance of +/- 5%.

GROSS VEHICLE WEIGHT:
This is determined by the difference between the technically permissible maximum mass and the mass in running order. It is the maximum weight that can be used for: living purposes, transported passengers as defined by the manufacturer (minus the driver who is included in the mass in running order) and their personal belongings.



CAUTION
The weight of non-standard accessories is not included in the running order mass.
Everything not included in the vehicle's BASE version, both living pod and chassis, increases the mass in running order and consequently reduces the gross vehicle weight by an amount equivalent to their weight.



CAUTION
Ensure that you have correctly calculated the weight of the items which you intend to transport in the motorhome. For example:
- Strollers, optional equipment, living necessities in the motorhome.
- Personal effects, clothing, supplies, pets.
- Bicycles, sailboards, sports equipment, etc.

GENERAL NOTES

This motorhome has been built according to technical standards and safety regulations. Failure to observe the safety instructions provided in the User and Maintenance Manual may result in injury to the occupants of the motorhome or damage to the vehicle itself.

- Only use the motorhome if it is in perfect technical condition.
- Routine and accurate vehicle maintenance will contribute to keeping it in good running order. The LUANO CAMP repair shop network is at your service for any advice you should need.
- Have the vehicle inspected regularly and repaired in an authorised repair shop to protect the safety of occupants and of the motorhome itself.
- Any modifications to the motorhome must be approved in writing by LUANO CAMP in advance.
- The motorhome is designed to transport people. Load accessories and luggage in the motorhome only up to the permitted maximum load.

SAFETY REGULATIONS

FIRE PROTECTION

HOW TO AVOID FIRE HAZARDS



ATTENTION

- Do not leave children unattended in the motorhome.
- Do not leave flammable materials near the heater or the hob burners.
- Never use portable stoves or heaters inside the motorhome.



ATTENTION

- Do not place objects made of flammable material in contact with light fixtures or heat sources.
- Always consult a repair shop authorised by LUANO CAMP for any modifications or repairs to the gas and electrical systems.



ATTENTION

- NEVER allow changes to the electric or LPG system and appliances unless performed by qualified personnel. Pay particular attention to the use of appliances and additional devices installed according to the instructions provided by the manufacturer of the appliance or device (e.g. air conditioning, satellite dish, bicycle rack, fuel cell)

FIRE PREVENTION MEASURES



ATTENTION

- Evacuate all occupants.
- Close the main shut-off valve of the gas.
- Disconnect the electrical power supply.
- Notify the fire department.
- Only attempt to extinguish the fire on condition if your own safety will not be compromised.

GENERAL INFORMATION

Ensure that natural ventilation is guaranteed inside the vehicle for your own safety. Do not obstruct air inlets, ventilators or skylights. The passage of air from these components does not signal a fault.

- All the information and photographs shown in this manual are for illustrative purposes only and do not constitute contractual specifications.
- LUANO CAMP reserves the right to make technical and configuration changes to its vehicles and the equipment installed as it deems appropriate at any time and without formal notification.
- Given the above, all the information concerning the specifications and equipment of every motorhome must be requested before purchase from the dealership, who will act as sole point of reference. The dealership will confirm or rectify the data published herein, updating the customer on the actual features and equipment of the vehicle they are interested in and for which negotiations are being conducted.

- LUANO CAMP declines any liability with regard to any changes, up to and including additions and/or conversions made after the printing of this document and/or delivery of the vehicle.
- The additional weight of each optional item proportionally increases the net weight of the vehicle, reducing the possible payload allowance. For your safety, it is advisable to refrain from exceeding the maximum total weight as specified by the manufacturer.



CAUTION
Refer to the vehicle manual for matters related to the chassis and to on-highway operation.

IN THE EVENT OF FIRE

EMERGENCY EXITS

Ensure that you know the location of the safety exits and how they work. Leave evacuation areas obstruction-free.



ATTENTION

- Using the hob burners or other equipment consumes oxygen. Leave a window or, if possible, the skylights, slightly open when using the burners to guarantee continuous air circulation inside the motorhome. Do not obstruct the forced air vents, even during the winter months. Keep the forced air vents free of snow and leaves.
- The electrical cabling and gas piping are installed in the floor, roof and side of the motorhome. Do not make holes which may cause an explosion or short circuit the electrical system.
- Read the User and Maintenance manuals of all the equipment installed in your motorhome carefully.
- When the motorhome is stationary in any situation, leave the transmission in first gear and the emergency brake engaged.
- Always close external panels, doors and windows when leaving your motorhome.
- Do not place flammable objects in contact with light fixtures or heat sources.

ROAD SAFETY



ATTENTION

- Before setting off any journey, check your motorhome's braking and lighting systems.
- If your motorhome model has a drop-down bed, make sure it is properly secured before setting off.
- Before setting off, ensure that any swivelling seats are locked.
- Check that the television bracket is locked before leaving.
- All occupants of the motorhome must remain seated whilst travelling. Secure the child seats with the three-point safety belts.
- Before setting off, make sure the load is distributed uniformly.
- Before starting your journey, close all doors, windows and panels. Engage the safety lock on drawers (where present).

- Lock all external panels before leaving.
- It is advisable to check tyre condition after the first 1000 km and regularly afterwards.

TRAILER



ATTENTION

- Take care not to remain between the trailer and the motorhome whilst hitching and unhitching the trailer.

GAS SYSTEM



ATTENTION

- Before setting off on any journey, close the taps and the main valve of the gas cylinders.
- For repairs or maintenance checks, always consult an authorised repair shop.
- Check the gas pressure regulator and gas pipes. Replace the gas regulator every 10 years and regularly check the gas pipe at the connection with the cylinder.
- Before turning the gas burners on open a window or the skylight.
- Do not use the hob as a heater.
- Do not obstruct the air vent of the gas cylinder locker located outside the motorhome.
- Do not use the gas cylinder locker as a storage area.
- The main shut-off valve of the gas cylinder must be easily accessible.

GAS CYLINDERS



ATTENTION

- Transfer the gas cylinders into the cylinder storage locker.
- Secure the gas cylinders vertically using the appropriate fastenings.
- When the gas cylinders are not connected to the gas pipe, ensure that they are closed with the protective cap.
- Before removing the gas pipe or regulator, close the main shut-off valve.
- Use suitable gas regulators capable of tolerating the high stresses they may be subjected to on board the motorhome.
- Only use gas cylinders with a non-return valve.
- The main shut-off valve of the gas cylinder must be easily accessible.



ATTENTION

- Any work on the electrical system must be performed by a repair shop authorised by LUANO CAMP.
- Before performing any intervention on the electrical system, disconnect the batteries and the mains power supply cable.
- Replace faulty fuses with fuses of equal capacity and colour. Do not attempt to repair fuses.



ATTENTION

- Propane and butane are stored in cylinders as pressurised liquids. The liquid boils and turns into gas

when the pressure is released, i.e. when the cylinder valve is opened. Both gases are heavier than air and any leakage would tend to stabilise on the bottom. In addition, they have a strong, unpleasant odour which makes it possible to identify leakages easily. The gas is highly flammable and a small amount in air may form an explosive mixture. The cylinders must be used and kept in vertical position at all times, with the valve facing upwards.



ATTENTION

- It is good practice to empty the water system and leave the water taps open during the winter months. Leave the safety discharge valve and all discharge taps open. This avoids damage through freezing of the water system.
- Water left inside the clean water tank can not be considered drinkable even after a relatively short period. It is good practice to flush the piping and water tank with potable water before each use of your motorhome. It is advised that the water tank always be emptied



ATTENTION

- To avoid accidents, carefully read the following essential advice before using gas appliances or changing the gas cylinders:
- Always read and follow the instructions for use and maintenance provided by the gas appliance manufacturers. If soot is observed on pans, hob etc. or if any odour is noted, consult a skilled installer for correct maintenance and adjustment of the burners.
- Never check gas leakages using a naked flame.
- Always close the main valve of the cylinders when the gas system is not in use.
- Do not use gas appliances without adequate ventilation. All gas appliances require ample fresh air for correct operation. Gas appliances must not be obstructed by fixed fans or air vents. If possible, switch off all the electrical appliances and the gas system before going to sleep.
- Make sure that the gas line is blocked if an appliance is disconnected for repairs, maintenance, etc.
- Call a skilled installer if the valves are stiff or if you suspect they are leaking. The LPG valves require a special grease.
- When in doubt, always seek advice.

BEFORE STARTING YOUR JOURNEY

CHECKS BEFORE SETTING OFF

MOTOR
Check the level of all the liquids specified in the vehicle's User and Maintenance manual.

BRAKES
Check the brake fluid level as outlined in the manufacturer's User and Maintenance manual.

TYRES
Before setting off, check the tyre pressure (this is shown in the User and Maintenance manual of the vehicle; use the pressure values given for a full load). A tyre pressure check is particularly important if the vehicle is at full load because an insufficient pressure can cause the tyres to burst and the driver to lose control of the motorhome. It is advisable to check tyre condition after the first 1000 km and regularly afterwards.

LIGHTS
Check that all exterior lights work properly.

BATTERIES
Check that the engine and auxiliary batteries are charged. If the control panel indicates insufficient voltage, recharge the batteries fully before setting off.

INSTALLED EQUIPMENT
Check that the fridge, heating, boiler and electrical system are functioning properly after any period of inactivity.

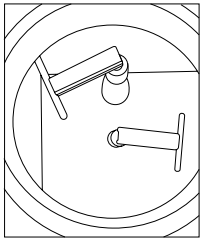
GAS SYSTEM
- Cylinders must be secured vertically in the locker provided.
- Close the gas valves.
- Close the red taps on the gas distribution unit located inside the kitchen cupboard.

EXTERNAL CHECKS
- Storage lockers are locked by key.
- Ensure that you have rolled up the external awning, if present.
- Before setting off, close the skylight dome and open the flyscreens and blackout blind.
- On sunny days, keep the skylight dome open. Only use the blind and flyscreen to make shade, but don't close the blind completely. Instead, close the flyscreen 1/3 and the blind the other 2/3. This will prevent heat from getting trapped and causing damage to the dome and frame.
- Check that all items on the luggage rack are stored securely.
- Check that there are no objects under the vehicle causing an obstruction to its movement.
- Ensure that you have retracted the TV aerial, if present.
- Disconnect the external 230V power supply cable.

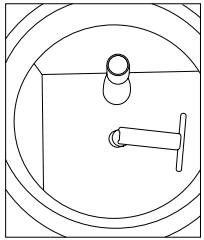
INTERNAL CHECKS
- The entrance door must be locked.

- Close the bathroom and cupboard doors. Be sure to secure the kitchen drawers with the locking wheel provided.
- Ensure that you close and secure windows and the skylights.
- Secure the fold-up bed properly and fasten it with the straps provided.
- Empty storage compartments without doors.
- Make sure that you are ready for any emergency by having on board a first aid kit, toolbox, emergency triangle, vest and fire extinguisher.
- If the vehicle has a double dinette 6-seat extension, it must be returned to the 4-seat configuration.
- Switch the fridge to a 12V power supply (if it does not have electronic controls).
- On sunny days, keep the skylight dome open. Only use the blackout blind and flyscreen for shade, but don't close the blind completely.

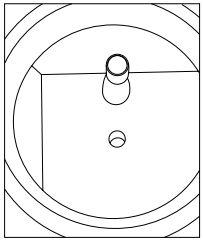
There can be no more than 20 litres in the clean water tank whilst travelling. The tank must be emptied before setting off.
There are two drain systems in the tank, one positioned at a higher lever to empty the tank leaving approximately 20 litres of water in the tank, which is the maximum permitted capacity whilst travelling. The second drain is positioned on the bottom of the tank and can be used to drain it completely.



Placement when stopped
(maximum capacity)



Placement whilst driving
(certified capacity)



Empty tank

HOW TO LOAD THE MOTORHOME CORRECTLY

- **MAXIMUM TECHNICALLY PERMISSIBLE LADEN MASS:** maximum weight of the vehicle at full load authorised by the manufacturer.

- **MASS IN RUNNING ORDER:** includes the base weight of the vehicle, the tanks filled to at least 90%, the weight of the driver (75 kg), fuel and liquids (clean water tank filled to 20 l for the journey), one household gas cylinder (max. 15 kg). This is calculated based on Directive 2007/46/EC, which allows for a tolerance of +/- 5%.

- **PAYLOAD:** determined by the difference between the maximum technically permissible laden mass and the mass in running order.

- **GROSS VEHICLE WEIGHT:** the mass in running order added to the payload weight.

- The **GROSS VEHICLE WEIGHT** must not exceed the **MAXIMUM TECHNICALLY PERMISSIBLE LADEN MASS.**

- Check the correct filling of the clean water tank and the amount of LPG gas on-board to comply with the **GROSS VEHICLE WEIGHT.**



ATTENTION

- Distribute the load uniformly throughout the motorhome on both the left- and right-hand sides.
- Secure heavy objects in the side or rear lockers so that they cannot slide out of place.
- Stow lighter objects in the storage cabinets.
- If your motorhome has a bike rack, only use it to transport bicycles.



ATTENTION

Make sure that the total weight of all the objects you intend to transport in the motorhome does not exceed capacity.

For example: Passengers, optional equipment, essential equipment and personal effects such a clothing, food, pets, bicycles, surfboards, sports equipment etc.

LOADING THE ROOF



ATTENTION

A wet or frozen roof can be very dangerous.

- If your motorhome has a roof carrier, distribute the objects uniformly, tie the load down well and do not use elastic belts.
- Check the maximum height of the vehicle once you have packed the roof carrier.

TYPE	MAXIMUM WEIGHT
garage locker	200 kg (see label)
overcab	200 kg (100 kg per bed)
box	6 kg
storage cabinet	4 kg
garage bed	200 kg (100 kg per bed)
drop-down bed	250 kg
bunk beds	100 kg

REAR LOCKER AND REAR GARAGE

When loading the rear ‘locker’ or rear ‘garage’, observe the loads specified and the homologated weight. Distribute the load evenly. The weight of the items placed in these storage areas reduces the total gross vehicle weight of the vehicle. Do not store excessive weight which may damage the floor covering.

WHILE TRAVELLING

DRIVING YOUR MOTORHOME



ATTENTION

- Your motorhome is to be considered a commercial vehicle and as such, must be driven as one.
- Do not remove your seatbelt whilst driving.
- Do not leave your seat whilst driving.
- Refrain from hard breaking.



ATTENTION

- It is compulsory for passengers to remain in their homologated seats and wear safety belts in both forward and backward facing seats whilst the vehicle is in motion. The total number of homologated seats is indicated on the vehicle registration certificate and each seat is identified with a label.
- It is expressly prohibited to move within the vehicle or use equipment, beds, toilet or lockers whilst in motion.
- The equipment and facilities present in the motorhome were designed to be used only when the vehicle is stationery. The use of such equipment and facilities whilst in motion is a violation of the highway code and presents risks which the user should be aware of. LUANO CAMP does not accept responsibility for accidents occurring during travel.
- To increase the gross vehicle weight whilst driving, the clean water tank must contain 20 litres.



ATTENTION

Whilst driving your motorhome, there are a few things to take into consideration with regard to the weight and load differences compared with a car. Specifically:

- Expect longer braking times.
- Be aware of the vehicle's dimensions–especially the rear–when taking a curve.
- Allow for a reasonably long time when overtaking.
- Be particularly careful when parking and reversing.
- Pay special attention to wind conditions, particularly when exiting tunnels.
- Take special care when negotiating underpasses and areas with height restrictions.

DRIVING SPEED



CAUTION

When travelling, remove the hand-held shower head from its support and store it in one of the holders present in the shower cubicle.



ATTENTION

- The wide side surface of the motorhome makes the vehicle vulnerable to side winds. Be careful when exiting tunnels.
- If the load inside the motorhome is not distributed

uniformly, driving orientation may be negatively affected.
- Adapt your driving style to the road and avoid sudden lane changes.

SAFETY BELTS



ATTENTION
- The seats inside your motorhome are fitted with three-point safety belts or lap belts.
- Before setting off, occupants must put their safety belts on and keep them secured throughout the journey.
- Do not damage the safety belts. If the belts are damaged, have them repaired by a repair shop approved by LUANO CAMP.
- Do not modify the safety belt fastenings.
- Use only one safety belt per person.
- Do not secure any other objects together with the person with the safety belt.
- Safety belts are not suitable for passengers less than 150 cm tall. In such case, use the additional certified restraining devices.
- Place child seats only on seats fitted with three-point safety belts.
- Do not recline the backrest of the seat too far back whilst travelling. The effectiveness of safety belts may be compromised if excessively reclined.

DRIVER AND PASSENGER SEATS



ATTENTION
- Before setting off, turn the swivelling seats and lock them facing forwards.
- All seats must be locked facing forwards during the journey. They must not be rotated.



CAUTION
Before turning the driver and passenger seats, make sure that the safety belts are secured in their original positions to avoid damaging them.



CAUTION
The adjustment of driver and passenger seats is described in detail in the User and Maintenance Manual of the vehicle.



CAUTION
Keep the handbrake lowered before rotating the driver seat.

PASSENGER SEAT ARRANGEMENT



ATTENTION
- Passengers must remain in the seats provided during the journey. Homologated seats are indicated

in the registration certificate and marked with the appropriate label (see Fig. 1)
- It is obligatory to wear safety belts where provided.

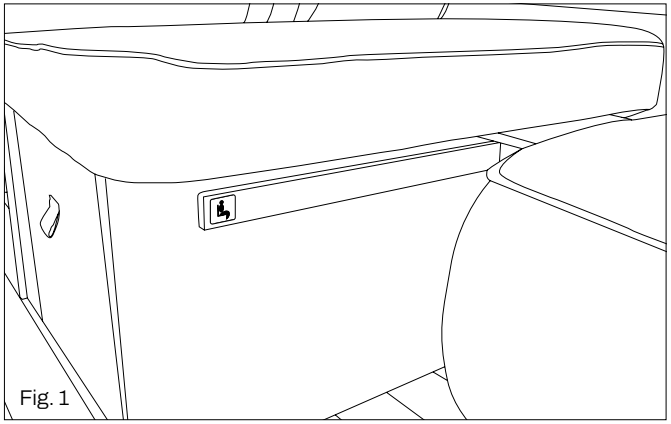


Fig. 1



ATTENTION
The seats with this decal must not be used while the vehicle is being driven.

REFUELLING

ATTENTION
No gas equipment (gas stove, gas heating, etc.) may be in use inside the motorhome during refuelling, transportation on ferries and when the motorhome is in your garage.

EXTERNAL DOORS

ATTENTION
- Ensure that all external doors are always closed whilst driving.
- Locked doors prevent strangers from entering your motorhome when you are stopped at a traffic light.
- Always lock the doors when you leave your motorhome unattended.

WHILE STATIONARY

CAUTION

- Stop only in permitted rest areas. Do not leave refuse there. Have respect for public peace and neighbouring vehicles, and respect the environment in general.
- Ensure that you always park your motorhome in a horizontal position (flat). Failure to observe this instruction may cause difficulties in operating certain systems and equipment installed in the motorhome.
- Always observe the indications provided in the specific manuals of individual components and in the chassis manual.
- Operate the fridge with the 230V power supply or gas only after having stopped the vehicle and connected the electrical power supply, if required.
- Do not obstruct the ventilators or air inlets in any way. Good interior ventilation must be guaranteed, even in winter.
- The installation of a flyscreen does not exclude the possibility that some insects may enter the motorhome, since the ventilators and air inlets must remain free to guarantee natural air circulation.
- Keep the door open towards the roof for as little as possible when the oven is hot. The heat could damage the roof.
- Open the skylight or windows slightly when the heating is on.
- At least once a day, open the doors of the internal furnishings and move cushions away from the walls to avoid condensation build-up.
- Always keep the exhaust gas flue and combustion air outlet clean.
- When using the door of the rear locker, take care not to leave it open in proximity of the exhaust gas pipe. If the Combi-heater or boiler is in operation, the exhaust fumes can damage the locker door.
- Be careful when opening the entrance door when the right-hand window of the dinette is open, as it may knock against the window.
- Do not place objects made of flammable material in contact with light fixtures or heat sources.

- When the motorhome is stationery, engage the hand brake and place the vehicle in first gear.
- Operate the fridge with the 230V power supply or turn on the gas once you have positioned your motorhome and connected the electrical power supply.
- On sunny days, keep the skylight dome open. Only use the blackout blind and flyscreen for shade, but don't close the blind completely. Instead, close the flyscreen 1/3 and the blind the other 2/3. This will prevent heat from getting trapped and causing damage to the dome and frame.
- When the vehicle is not being used for a long period of time, keep the flyscreen and blinds open.

WHEEL CHOCKS

We recommend that you keep a set of wheel chocks in your motorhome to use if you stop on an incline or decline. The wheel chocks are also useful when the motorhome is not being used (if parked outdoors) to keep the tyres raised or allow for more rapid run-off of rain water.

MAIN ENTRANCE DOOR, EXTERNAL DOORS, EXTERNAL LOCKERS AND GARAGE LOCKER

Always lock the cab doors, the main entrance door, windows and external locker doors when you leave your motorhome.

MAIN CABIN ENTRANCE

- Activate the safety lock of the cab and main entrance doors to prevent them from opening accidentally or in the event of an accident.
- Locking the doors is also a safety precaution against intruders. However, this may present difficulties for rescue services in the event of an accident.

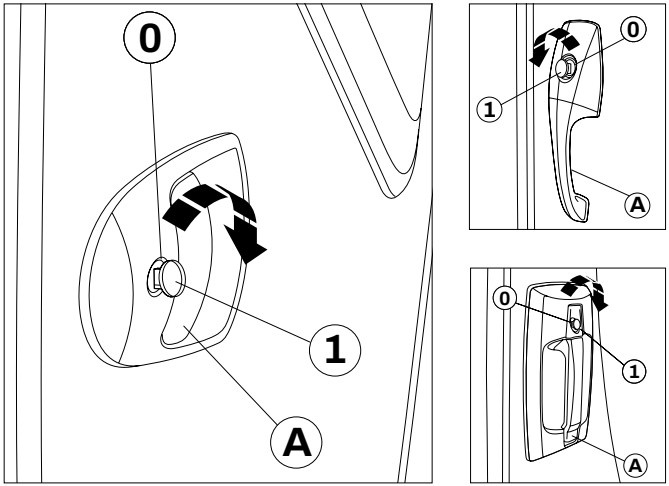
TIPS

Check that the doors and panels of your motorhome are properly locked.

Check that the locks have turned twice and have not stopped at the first turn.

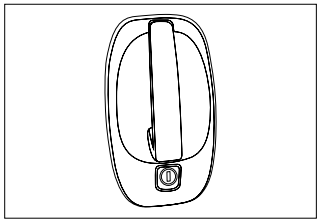
OPENING THE DOOR FROM OUTSIDE

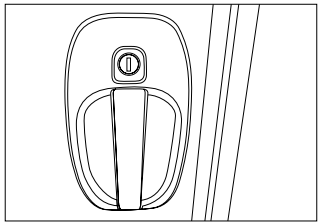
- Insert the key into the lock. Turn it clockwise **1** until unlocked.
- Turn the key back to the middle position **0**, then remove it.
- Open the door by pulling handle **A** towards you.



CLOSING THE DOOR FROM OUTSIDE

- To lock the door from outside, proceed as indicated previously (opening from outside), turning the key anti-clockwise.





OPENING THE DOOR FROM INSIDE

(Fig. 1 and 2)
- Slide button A up to unlock, then pull lever **B**.

(Fig. 3)
- Pull handle **A** to unlock.

(Fig. 4)
- Slide lever **A** down to unlock.

(Fig. 5)
- Push lever **A** upwards to unlock.

CAUTION
Pulling lever **B** will open the door even if button **A** is down.

CLOSING THE DOOR FROM INSIDE

(Fig. 1 and 2)
- To lock the door from inside, slide button **A** down.

(Fig. 3)
- Pull handle **A** to lock.

(Fig. 4)
- Push lever **A** upwards to lock.

(Fig. 5)
- Lift lever **A** to lock.

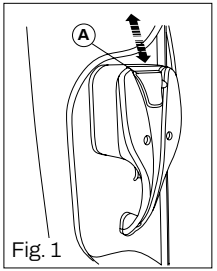


Fig. 1

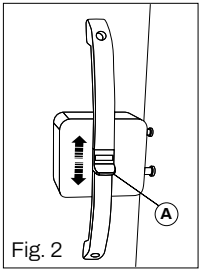


Fig. 2

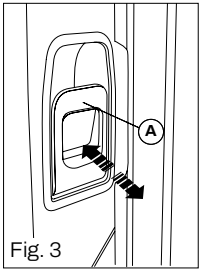


Fig. 3

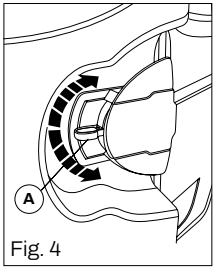
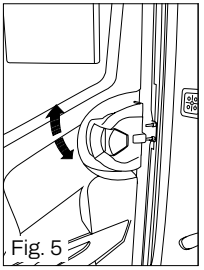


Fig. 4


Fig. 5

If you cannot find the model you are interested in, please scan the QR codes/follow the links
www.luanocamp.it/doors

LIVING IN YOUR MOTORHOME

VENTILATION

- The amount of oxygen present inside your motorhome is reduced in proportion to the number of occupants and heating and stove use. Oxygen is replaced by carbon dioxide, a toxic and sometimes lethal gas. The air inside the motor home must be constantly recirculated throughout the day.
- Condensation may form inside the double glass windows during winter. This phenomenon is perfectly normal and the condensation will be eliminated as the outside temperature increases.
- Ensure continuous air circulation inside your motorhome in all seasons, especially when the outside temperature is very low so that you avoid the formation of condensation wherever possible. With regular air circulation during cold periods in proportion to the amount of heating used, you can achieve a comfortable environment inside your motorhome. During hot periods, especially with extremely high temperatures, hot air tends to remain inside the motorhome. Ventilate often by opening doors, windows and the skylight.
- Your motorhome is fitted with fixed air vents which should not be obstructed. These vents are located in some skylights on the roof and on the inside of the entrance step (Fig. 1 and 2)

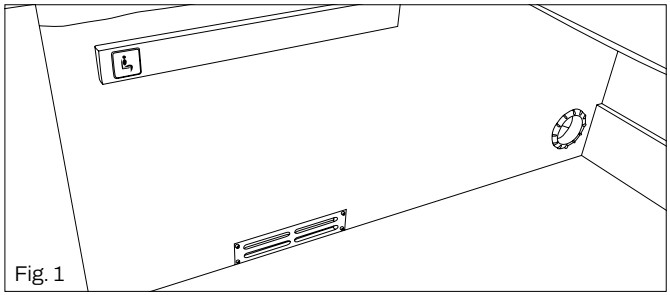


Fig. 1

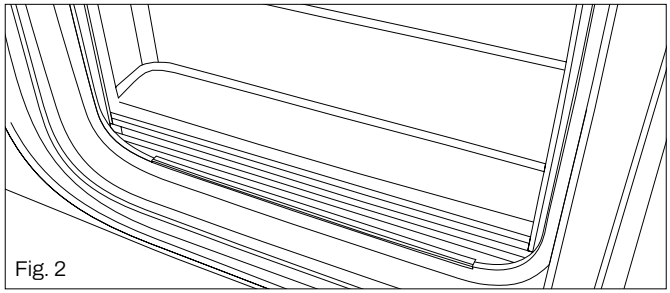


Fig. 2

ATTENTION
Do not obstruct or cover the air vents.

CAUTION
Providing additional ventilation is essential whilst cooking, e.g. by opening the windows near the grill, the stove and the oven. Do not use cooking appliances as space heaters.

HOW TO REDUCE CONDENSATION

Condensation is a common natural phenomenon in motorhomes, caused by water vapour condensing into liquid water on contact with cold surfaces. Good ventilation and deaeration of the vehicle is the best way to ensure a comfortable and cosy environment. This manual gives an overview of the areas most prone to condensation and explains how to reduce its formation to ensure a comfortable and healthy environment.

AREAS SUBJECT TO CONDENSATION

(indicative and non-exhaustive list)

Driver's Cab:

- Windscreen and dashboard
- Side windows

Living pod:

- Around the windows and skylights
- Overcab area under mattresses
- Areas under mattresses and upholstery
- Area adjacent to garage doors

GUIDELINES FOR THE GOOD VENTILATION OF THE LIVING POD AND DRIVER'S CAB

- Never cover the forced air system fans incorporated in the chassis
- Do not cover skylights fitted with forced air system (Fig. 1) or the mushroom roof vents (Fig. 2) with winter insulation covers
- Do not close/obstruct vents with any other type of cover
- Keep the fan heating vents open at all times (especially the one in the driver's cab)
- We recommend using blackout blinds on the outside of the windscreen and windows during the winter months to prevent heat exchange.
-

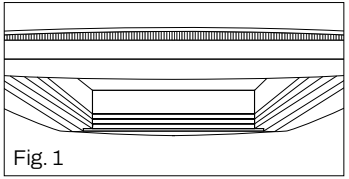


Fig. 1

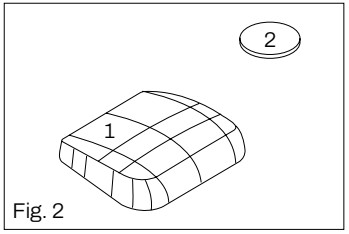


Fig. 2

GENERAL CONDITIONS THAT CREATE CONDENSATION IN THE LIVING POD AND DRIVER'S CAB

(indicative and non-exhaustive list)

- A person releases up to 35 g of water vapour per hour into the air while breathing normally: moisture is directly proportionate to the number of people occupying the vehicle
- Cooking food inside the vehicle (boiling water or liquids) increases the amount of moisture
- Stowing/leaving wet clothes around (even in the garage compartment) increases the amount of moisture
- Using the shower (especially in the winter months) increases the amount of moisture
- Closing the air vents or perforated ventilation pipes behind spacer panels on the wall.

These conditions create moisture which, when saturation point is reached, settles on cooler surfaces such as the ceiling, windows or walls. Prolonged exposure to condensation can create problems or cause damage to your vehicle. The vehicle must be properly ventilated and aerated using the windows and skylights, depending on the amount of moisture in the air, also considering the above indications.

SPECIFIC CONDITIONS OF CONDENSATION PHENOMENA

CONDENSATION INSIDE THE ACRYLIC GLASS WINDOWS

In extreme weather conditions, condensation may form inside the double acrylic glass windows. As the temperature rises, the moisture evaporates and the glass dries out.

FORMATION OF CONDENSATION UNDER MATTRESSES, CUSHIONS AND UPHOLSTERY

Condensation can form under upholstery during the night. To dry the upholstery, simply expose it to air.

- Cushions and mattresses absorb moisture: air cushions and mattresses regularly
- Remove the protective film from the upholstery or mattresses after use because it creates condensation and, consequently, mould
- Damage due to improper ventilation is not covered by the warranty as it is considered intentional damage.

GENERAL INFORMATION FOR CAMPING AND/OR STOPS IN WINTER

During winter, it is important to heat the living pod and ensure good ventilation, also of the driver's cab (Fig.3):

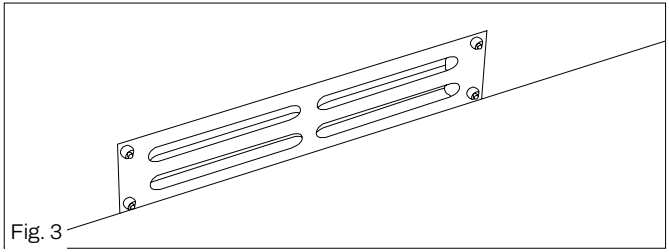


Fig. 3

- The heating system is especially important during winter, above all during long stays
- Warm air (Fig. 4) removes water vapour quickly, as it absorbs a much higher quantity of water than cold air
- It is important to reduce the amount of water vapour caused by cooking and wet clothes as quickly as possible.

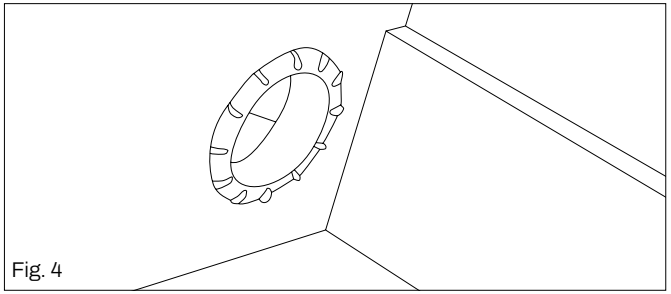


Fig. 4

Depending on the use, number of people, parking space, and moisture inside and outside the vehicle, windows, window frames and the corners of storage drawers are particularly prone to condensation.

- It is a good idea to keep the air circulation system switched on to heat the vehicle
- During the heating phase, open all wardrobe doors, folding cupboard doors and storage drawers to prevent the formation of condensation.

ADVICE DURING AND AFTER USE

- Ventilate for a few hours during and after use (if the vehicle is stored in a covered area)
- Place absorbing materials between the windscreen and dashboard to absorb excess condensed moisture (during stops in winter)
- Use condensation catchers in the case of prolonged stays (e.g. in the mountains) to reduce moisture in the living pod
- Use external blackout blinds (windscreen and windows or, better still, a complete blind)
- Open a skylight or any window after using the shower to allow water vapour to escape
- Clean interior surfaces frequently and dry them thoroughly.

ENTRANCE DOOR FLYSCREEN

- To open the flyscreen, grasp the middle area **A** and slide it to all open position.
- Reverse the above to close the flyscreen.

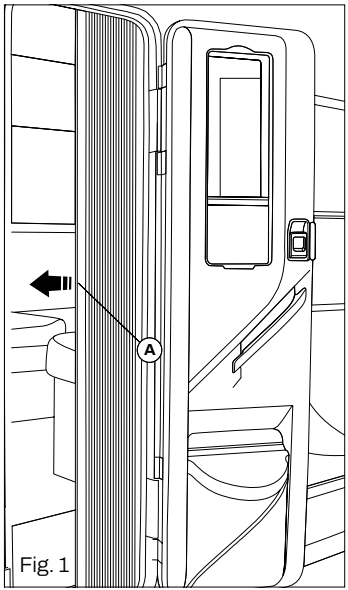


Fig. 1

ATTENTION
The flyscreen can only be partially opened.

WINDOWS

Before setting off, always ensure that the windows are closed.

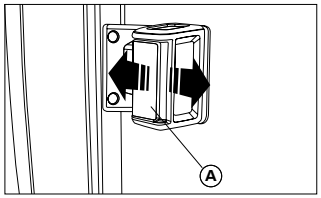
SLIDING WINDOWS

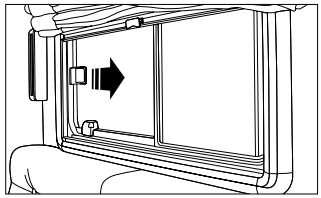
OPENING

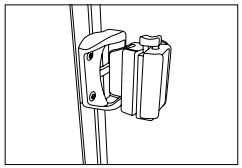
- Grasp the handle and press lever **A**. At the same time, slide the window halfway open, up to the position you wish.
- Release the handle to lock the window in place.

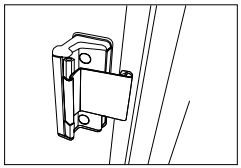
CLOSING

- Grasp the handle and press lever **A**. At the same time, slide the window closed.



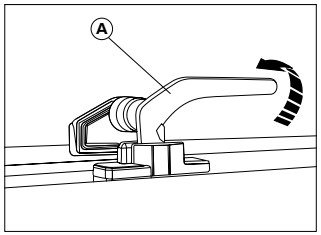


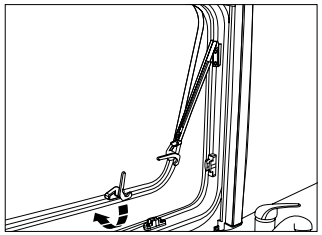




CAUTION
Do not use alcohol-based products to clean the windows. These may permanently damage the acrylic surface.

WINDOWS WITH AUTOMATIC CLICK LOCKING ARMS





OPENING

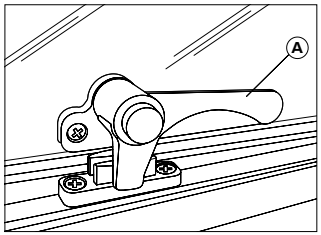
- Release all locking levers (**A**) by turning them upwards.
- Open the window by pushing from the centre to the desired position. The automatic click locking arms will keep it in place.

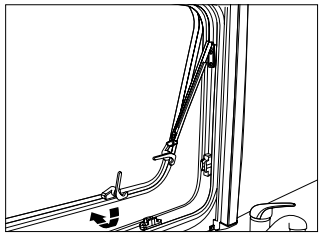
CLOSING

- Release the automatic click locking arms by pushing the window from the centre and fully opening it.
- Close the window manually.
- Secure all locking levers **A** by turning them downwards.

CAUTION

Do not use alcohol-based products to clean the windows. These may permanently damage the acrylic surface.





OPENING

- Release all locking levers (**A**) by pressing the button and simultaneously move them to the vertical position.
- Open the window by pushing from the centre to the desired position. The automatic click locking arms will keep it in place.

CLOSING

- Release the automatic click locking arms by pushing the window from the centre and fully opening it.
- Close the window manually.
- Secure all locking levers (**A**) by turning them downwards.

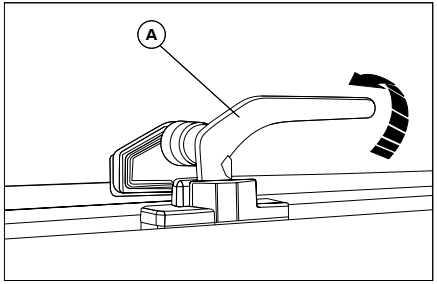
CAUTION

The locking arms allow you to choose a window position to ensure air circulation whilst travelling. Close the window when travelling in rain to avoid water entering the motorhome.

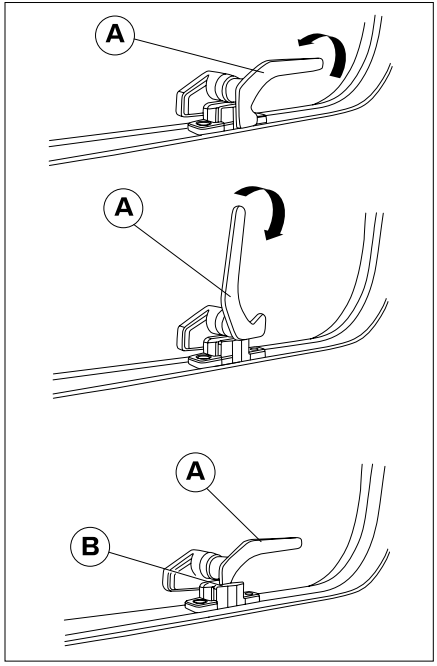
WINDOWS WITH MANUAL LOCKING ARMS

OPENING
- Turn lever **A** upwards.
- Open the window by pushing it from the centre until it reaches the desired position.

CLOSING
- Close the window manually.
- Lock all levers **A**.



CONTINUOUS AIR CIRCULATION
The locking lever allows the window to be fixed in two different positions:
- 'Continuous air circulation'
- 'Fully closed'.
- To secure the window in continuous air circulation position in the main cabin:
  - Turn lever **A** to a vertical position. Repeat with the other levers.
- Open the window slightly by pushing it from the centre.
- Move lever **A** to the closed position. At the same time, return the locking spout **B** to the recess in the window catch.

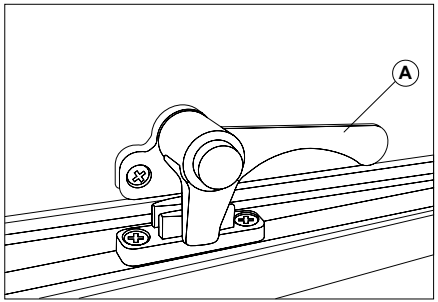


OPENING

- Whilst pushing the button, turn lever **A** upwards.
- Open the window by pushing it from the centre until it reaches the desired position.

CLOSING

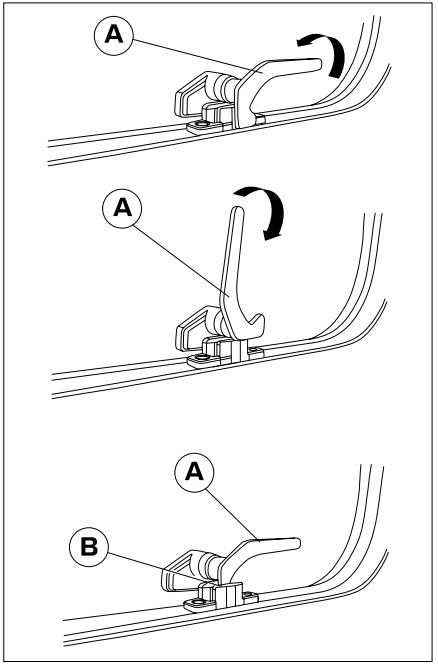
- Close the window manually.
- Whilst pushing the button, lock all levers **A**.



CONTINUOUS AIR CIRCULATION

The locking lever allows the window to be fixed in two different positions:

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  - Open the window slightly by pushing it from the centre.
- Move lever **A** to the closed position. At the same time, return the locking spout **B** to the recess in the window catch.



BLACKOUT BLIND AND FLYSCREENS

The windows are fitted with blackout blinds and flyscreens. The blackout blinds can be used alone or together with the flyscreens, but the flyscreens can only be used if attached to the blackout blinds.

BLACKOUT BLINDS

(Fig. 1)
Grasp the middle area **A** to open or close the blinds. The blinds can be set to any position. When the flyscreen is attached to the blind, the blind can be lifted partially or fully.

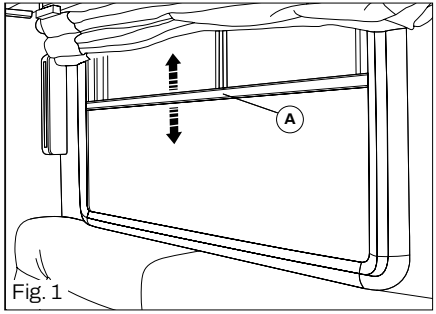
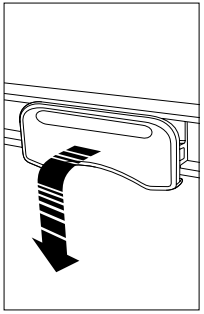


Fig. 1



FLYSCREEN

(Fig. 2)
Press handle **A** and pull the flyscreen downwards. The flyscreen can be set to any position. To release the flyscreen, press handle **A** towards the middle of the glass and guide the upward movement of the flyscreen to the open position.

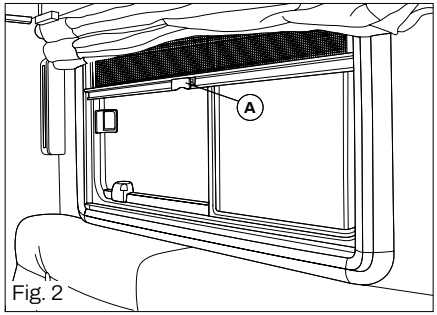


Fig. 2

CAUTION
Guide the blind and the fly screen when they are retracted.

English

BLACKOUT BLINDS

(Fig. 1)

Press down on both points (**A**) whilst simultaneously raising or lowering the blackout blind. The blinds have two positions: half-opened and completely closed. To release them, press the handle downwards and guide their upward movement to the open position.

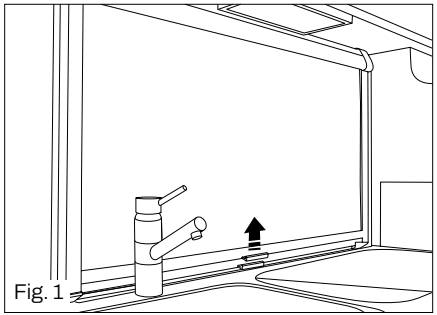
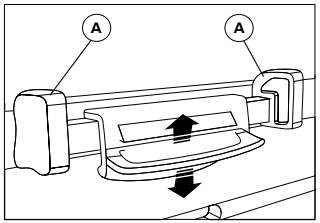


Fig. 1



FLYSCREEN

(Fig. 2)

Press down on handle A and pull the flyscreen downwards until it locks. To release the flyscreen, press the handle downwards and guide the upward movement to the open position.

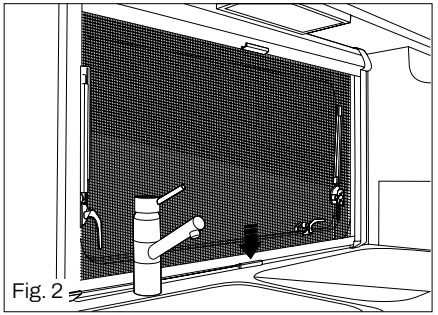
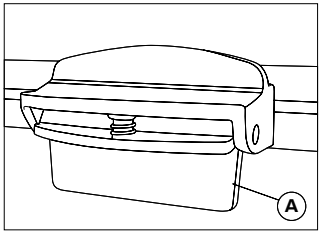


Fig. 2



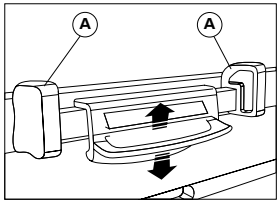
CAUTION

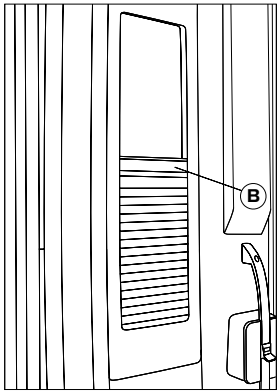
Guide the blind and the fly screen when they are retracted.

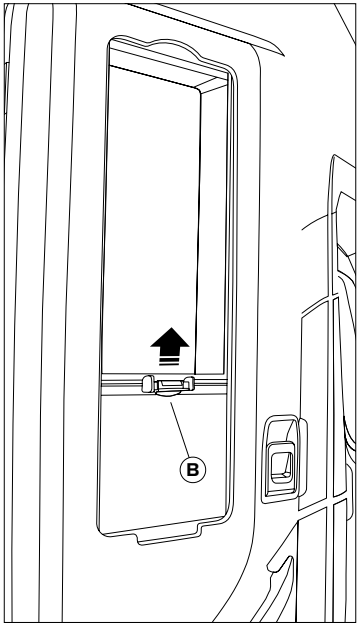
ENTRANCE DOOR BLACKOUT BLIND

BLACKOUT BLIND

Press down on both points (**A**) whilst simultaneously raising or lowering the blackout blind.
Use the centre area **B** to raise or lower the blackout blind.







SKYLIGHTS

- The skylights are fitted with a roller operated blind and flyscreen. Both of these items return automatically to their initial positions by spring action when they are released. Avoid damage to the traction mechanism by holding the flyscreen/blind and slowly guiding them to their initial positions.
- Depending on weather conditions, close the skylights to avoid humidity entering the motorhome.
- Ensure that all skylights are closed and locked before starting your journey.
- Open all blinds before setting off.
- Do not open skylights whilst vehicle is in motion.

CAUTION
The skylights must remain closed whilst travelling and their blinds and flyscreens must be open and in the released position. The blinds and flyscreens must remain open and released even during periods in which the motorhome is inactive.

CAUTION
Do not use alcohol-based products to clean the windows. These may permanently damage the acrylic surface.

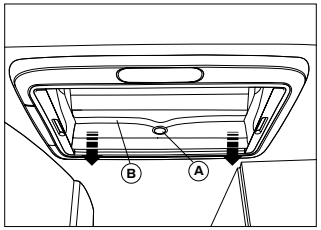
TILTING SKYLIGHT

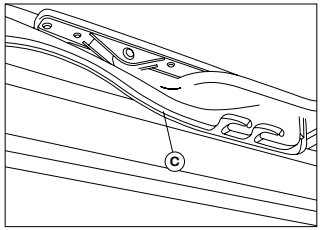
OPENING

- Press safety button **A** and pull bracket **B** down using both hands.
- Pull bracket **B** in guides **C** until they are in their rearmost position.

CLOSING

- Push bracket **B** slightly upwards using both hands.
- Push the bracket once again into the guides.
- Push the bracket up using both hands until the bracket is above safety button **A**.



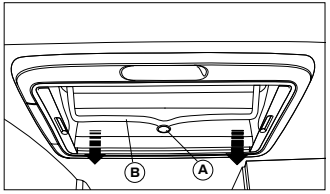


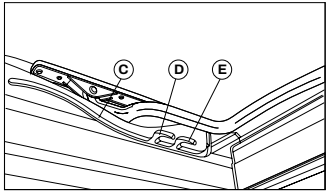
CAUTION

Rain can enter the motorhome if the tiling skylight is in the air circulation position when it is raining. Close the tilting skylight when it rains.

AIR CIRCULATION POSITION

- The tilting skylight can be placed in two air circulation positions.
- Press safety button **A** and pull bracket **B** down using both hands.
- Pull the bracket into the guides **C** to the desired position.
- Lightly press the bracket upwards and push it into the selected guide **D** or **E**.





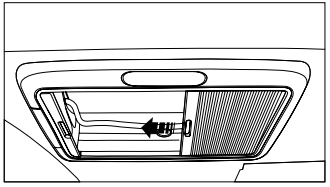
BLACKOUT BLIND

CLOSING

- Pull the blind by the handle to the desired position, then release the handle. The blind will remain in this position..

OPENING

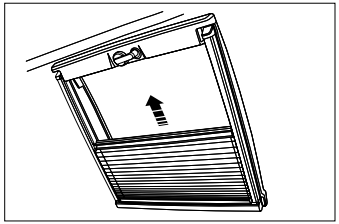
- Whilst guiding with your hand, gently push the blinds by the handle to its initial position.

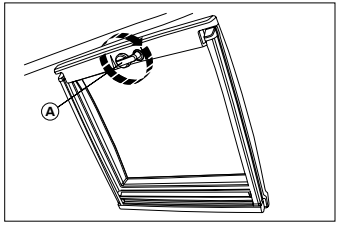


PANORAMIC SKYLIGHT WITH OPENING HANDLE

- The panoramic skylight is fitted with a blackout blind.
- To raise the blind smoothly, pull it from the centre upwards.
- To open the panorama skylight, the blind must first be closed. Turn handle **A** on the skylight to the desired position.

CAUTION
Guide the blackout blind whilst retracting.





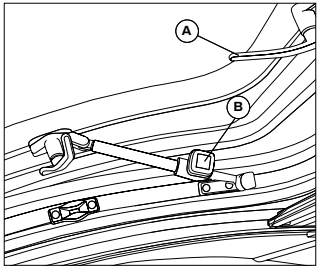
PANORAMIC SKYLIGHT WITH MANUAL LOCKING ARMS

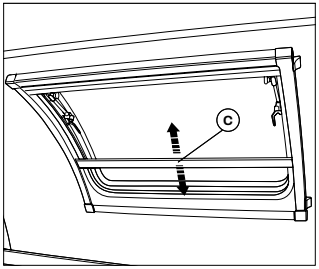
OPENING
- Turn lever **A** upwards.
- Open the skylight by pushing it downwards to the desired position.
- Lock the skylight by tightening the telescopic arm screws **B**.

CLOSING
- Loosen the telescopic arm screws **B**.
- Guide the blackout blind to closure.
- Lock all levers **A**.

The panoramic skylight is fitted with a blackout blind. Grasp the edge **C** in the centre part to open and close the blind.

CAUTION
Guide the blackout blind whilst retracting.





English

SAFETY NET

- All the beds in your motorhome at a height of more than 1 metre from the floor are fitted with a safety net.
- As with all safety equipment, the safety net must be used and attached in accordance with the regulations currently in force (EN 1646-1).
- Use the upper beds only for sleeping and always fit the safety nets. Do not use upper beds to store objects which may fall whilst moving.
- Attach the safety net A by attaching the hooks B to the corresponding rings **C**.

ATTENTION
The upper beds must only be used by adults. The safety net must always be attached when using the upper beds. The upper beds may not be used by children under three.

ATTENTION
Pay particular attention to the risk of falling when the upper beds are being used by children, particularly under 6 years of age. These beds are not suitable for unsupervised infants.

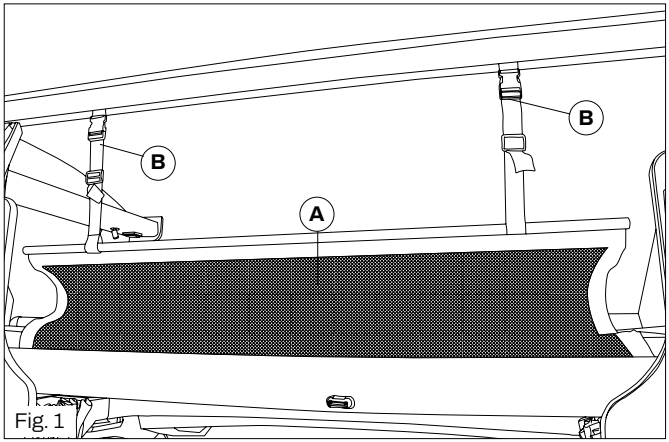


Fig. 1

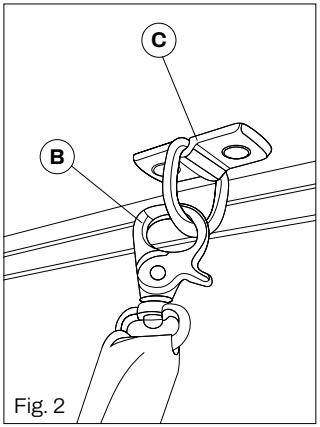


Fig. 2

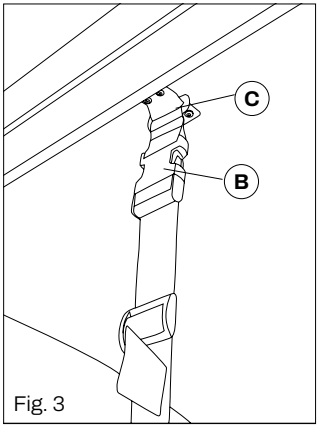


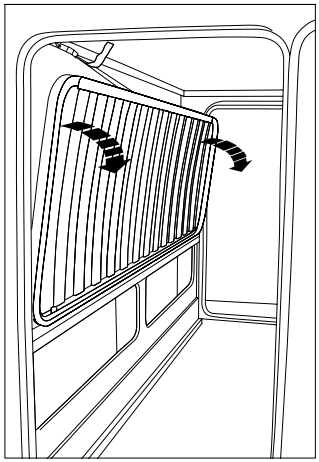
Fig. 3

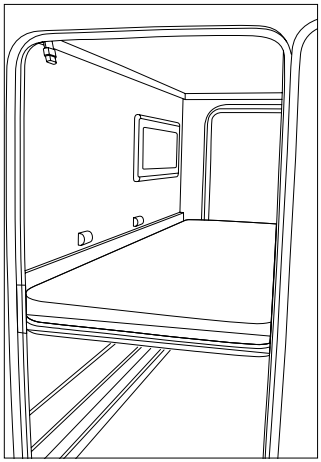
FOLD-UP BED (VARIABLE VOLUME)

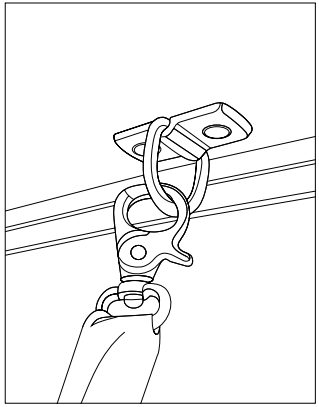
- Certain motorhome models are fitted with 'Variable Volume' beds.
- This type of bed allows for it to be used only when necessary.
- Whilst not in use, you can fold the bed up vertically either forwards or backwards and secure it using fastenings **A** provided, allowing for increased load capacity in the garage.

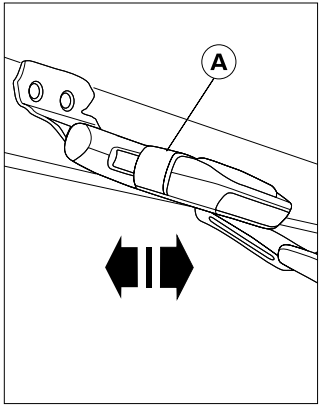
CAUTION
Though the garage has a high load capacity, it must be used in accordance with the homologation data of the vehicle regarding the maximum load permitted for the vehicle itself and the maximum load permitted for the garage locker.

ATTENTION
All beds can be only lifted when the vehicle is stationary.



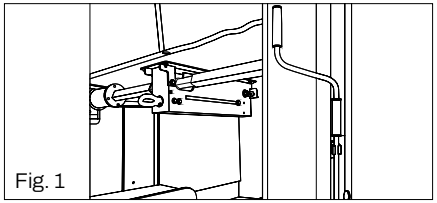


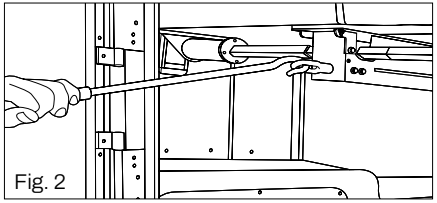




MANUAL FOLD-DOWN REAR BED

Step 1 Get the rod which operates the mechanism for moving the bed manually. It will either be in the garage, on the rear headboard, or in the wardrobe (Fig. 1).
Step 2 Insert the rod into the hook on the motor. Turn it clockwise to raise the bed, anti-clockwise to lower it (Fig. 2).

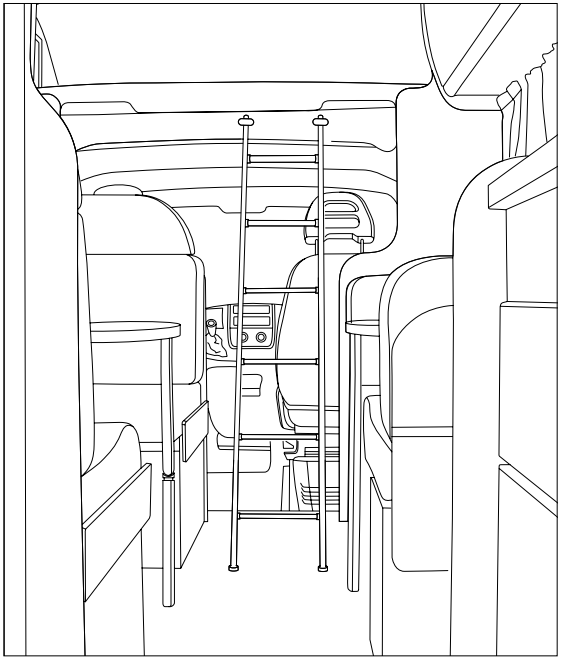

Fig. 1


Fig. 2

CAUTION
The central rear double bed should not be used as a sleeping surface if it is positioned higher than 1 m from the ground.

OVERCAB BED

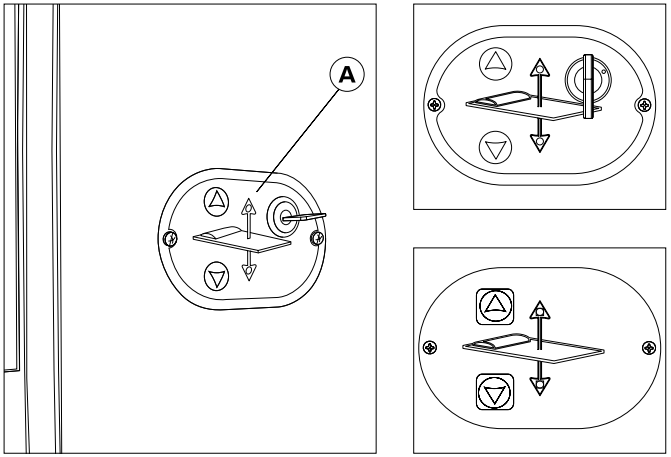
If your motorhome has a cab cutaway, open the net and the folding double mattress. Remember to return the bed to its original position in the morning to maximise space. If there is no cab cutaway, you can leave the bed as it is.



ATTENTION
The safety net must always be attached when using the overcab bed. The overcab bed may not be used by children under three.

ELECTRIC BELT-DRIVEN DROP-DOWN BED

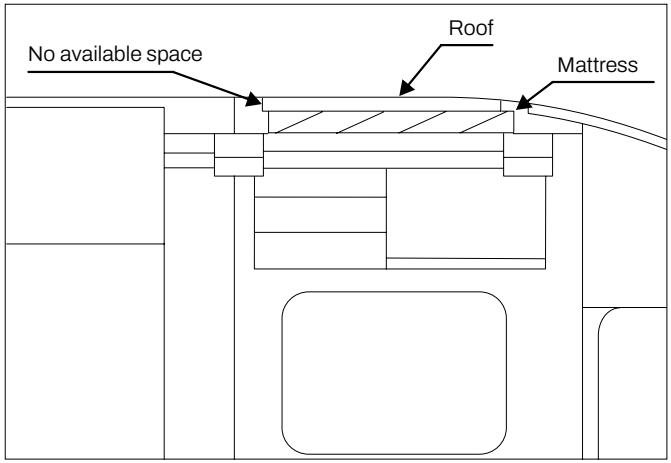
The electric belt-driven drop-down bed has a wall-mounted control (**A**).
Insert the key and turn it clockwise. Press the button in the direction of the arrows to raise or lower the bed. Turn the key back to return it to a vertical position.



ATTENTION
In the flat roof, no pillows, blankets or objects can be placed between the mattress and the roof when the drop-down bed is placed in the highest position.

CAUTION
It is recommended that all drop-down beds be raised/lowered when the vehicle is stationary.

CAUTION
When operating the motorhome, it is important to maintain a clear manoeuvring area around the bed.

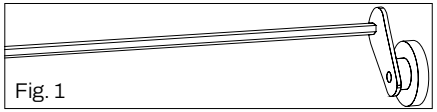


English

MANUAL DROP-DOWN BED RAISING AND LOWERING

Step 1 Activate the mechanism to manually move the bed using the provided rod (Fig. 1).

Step 2 Locate the bed motor compartment. It is housed in the front cabinets, on the right or left side, depending on the type of vehicle, and is identifiable because it has an opening **A** inside, into which the rod will be inserted (Fig 2).


Fig. 1

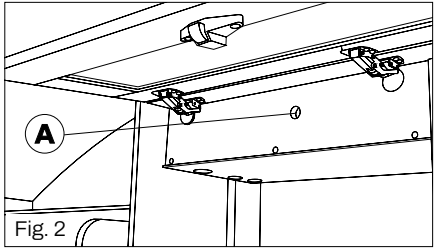
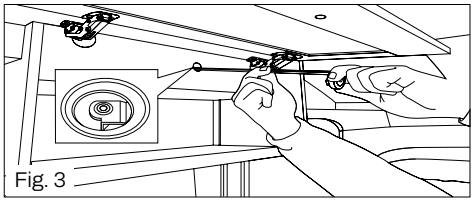


Fig. 2

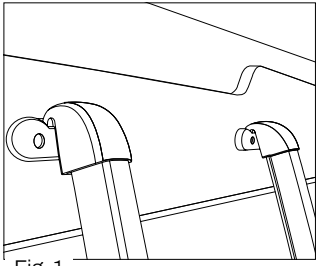
Step 3 Insert the rod into the hook on the motor. Turn it clockwise to raise the bed, anti-clockwise to lower it (Fig. 3).


Fig. 3

BED ACCESS LADDERS

All vehicles with overcab beds, bunk beds, pull-down beds and garage beds are fitted with ladders. Depending on the model, the ladder can be used to:

- Access the rear bed located above the garage.
- Access the overcab bed or bunk bed.
- To access the upper beds, hook the ladder (Fig. 1) to supports **A** located on the front of the area you want to access (Fig. 2)
- The ladder is stored inside the locker or garage.


Fig. 1

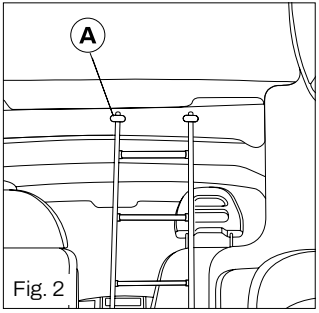
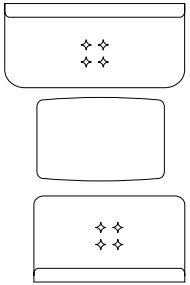


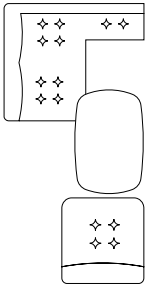
Fig. 2

TYPES OF DINETTES

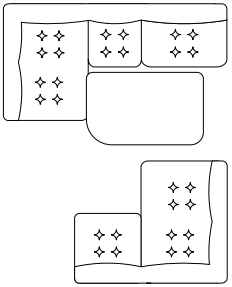
The layout of the vehicle is shown for illustrative purposes and can change depending on the model.



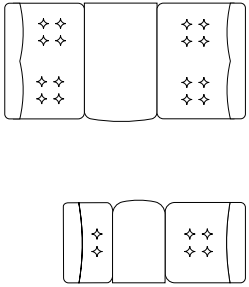
Face to face dinette



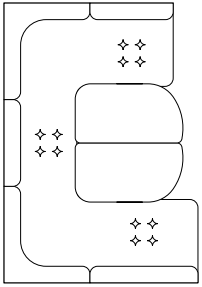
L-shaped dinette



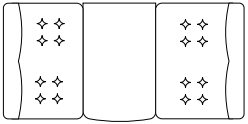
Double dinette island



Double dinette



Rear dinette



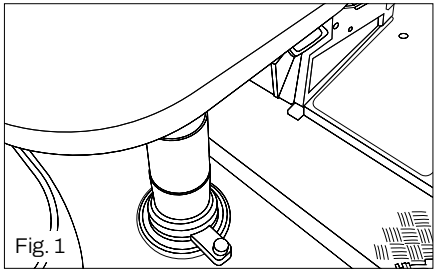
Front/rear facing dinette

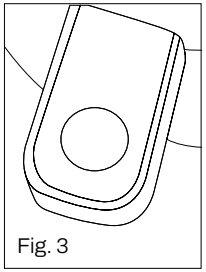
English

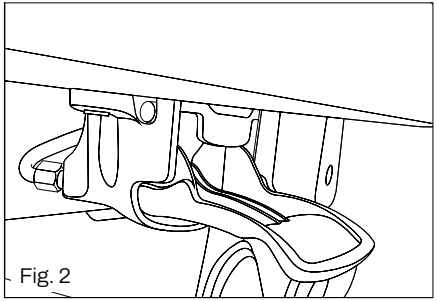
TRANSFORMING THE DINETTE

To change the seating arrangement from the day configuration to night, the table must be moved to the lowest position as shown on the following pages.

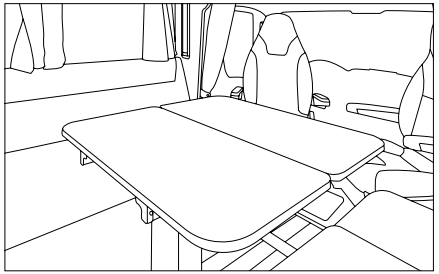
- Press and hold the button (Fig. 1 and 3) and simultaneously press in the centre area of the table to lower it.
- Press and hold the handle (Fig. 2) to rotate the table.

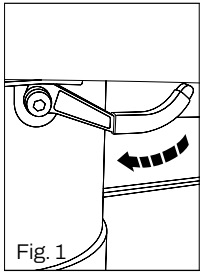

Fig. 1

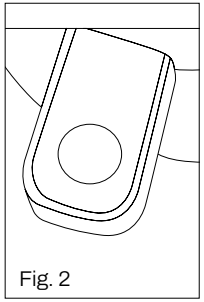

Fig. 3

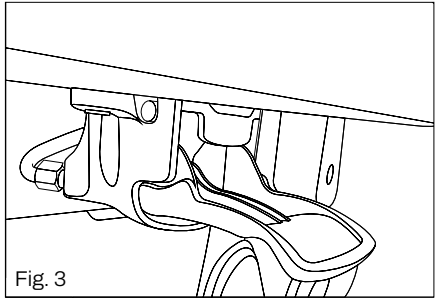

Fig. 2

- Move the handle (Fig. 1) in the direction indicated by the arrow to unlock horizontally.
- Press and hold the button (Fig. 2) and simultaneously press in the centre area of the table to lower it.
- Press and hold the handle (Fig. 3) to rotate the table.




Fig. 1


Fig. 2


Fig. 3

- Release unlocking lever **A** (Fig. 1) to unlock transversally.
- Turn lever **B** (Fig. 2) to release the table vertically.

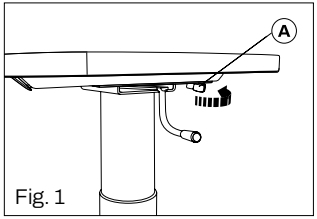


Fig. 1

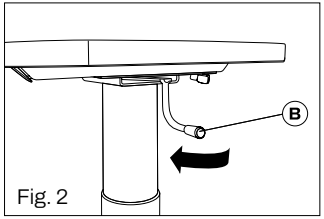
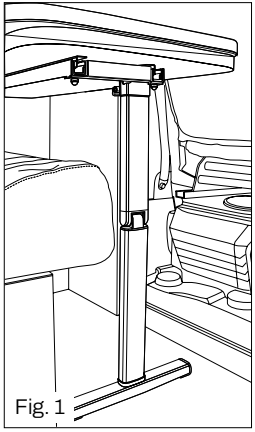


Fig. 2

- Press button **A** (Fig. 1) to fold the leg.


Fig. 1

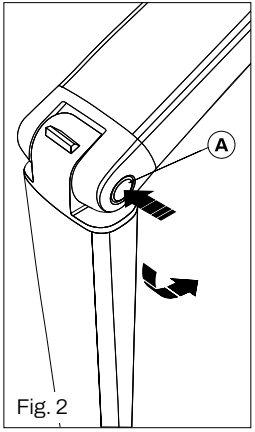


Fig. 2

CAUTION
Table illustrations are for illustrative purposes only, and may vary depending on the model.

If you cannot find the correct model, please scan the QR code/Link www.luanocamp.it/dinette-night

English

CONVERTING THE DINETTE INTO ADDITIONAL BEDS

Please consult the following QR codes/link www.luanocamp.it/beds-dinette to find the cushion diagrams for the arrangement of the additional beds in the seating groups.

CAUTION
The cushion design may be different based on the model.

CAUTION
Some vehicles are provided with additional night extension.

SYSTEM USE REGULATIONS

- The entire gas system must be turned off during travel in accordance with legal requirements. The valve on the cylinder and all the taps (red) on the gas distribution unit located in the motorhome must also be closed.
- Regularly check the gas pipes and connections. Have these checks performed by a repair shop authorised by LUANO CAMP.
- Perform regular leakage checks of the pipe connection to the portable gas cylinder. The gas pipe must not have any cracks or be porous. Contact a repair shop authorised by LUANO CAMP to replace the gas pipe with a new, approved one before and no later than the date indicated on the pipe itself.
- The gas system in your motorhome is supplied by one or more portable gas cylinders, connected to a pressure reducer
- The system distributes gas to the following equipment: hob, oven, heating system, boiler and fridge.

ATTENTION
LUANO CAMP does not accept responsibility for tampering or modifications made to the original gas system. Check the condition of the hoses on a regular bases and replace them with other approved ones by the expiry date shown on the hose itself.

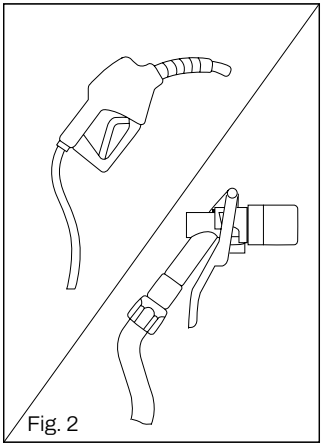
CAUTION
When the vehicle is in motion, gas appliances must be turned off, except those designed to be operated whilst in motion.

Always close the main valve of the cylinders when the gas system is not in use.

CAUTION
According to Figure 1, before refilling (LPG, petrol, diesel or other fuels) all LPG appliances (fridge, cooker, water, heater etc.) shall be turned off.



Fig. 1


Fig. 2

GAS CYLINDERS

Transfer the gas cylinders only into the appropriate ventilated storage compartment, which is accessible from outside the motorhome. Ensure that the vents are always unobstructed.

- Secure the gas cylinders vertically in the storage compartment so that they cannot rotate or fall over.
- Before removing the gas pipe or regulator, close the main shut-off valve.
- Fit the pressure regulator ring nut on the cylinder manually; only use a wrench to close fully.

The gas is supplied by the external portable cylinders and is delivered to the equipment via the pressure reducer and a distribution unit to various taps, one for each piece of equipment. The taps are located inside the lower cupboard in the kitchen.

- Each gas operated item is fitted with a safety valve with thermocouple which interrupts the supply of gas in the event that the flame is accidentally extinguished.

The dimensions of the garage locker vary from model to model. It is advisable to use gas cylinders having the following maximum dimensions:

- Height 600 mm
- Diameter 310 mm

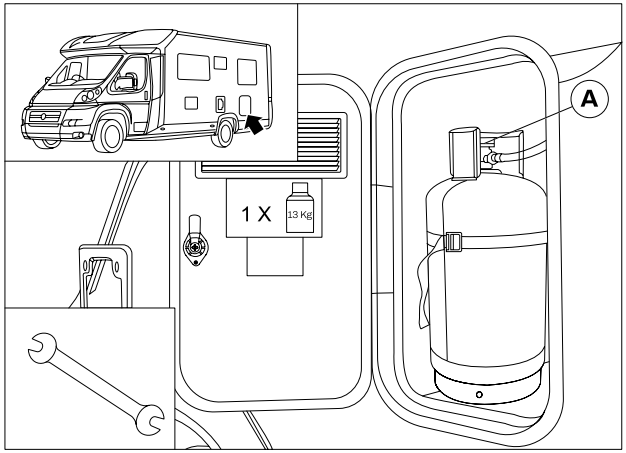


ATTENTION

- The gas cylinder compartment is designed to contain one or two cylinders. The total weight of the cylinder(s) must not exceed 13 kg.
- In the event of gas leakage, you must aerate the compartment and (following this order) close first the cylinder and then the gas distribution unit. Closing the cylinder will close off the gas leak. Contact the closest dealership to identify the leakage with precision and repair it.
- NEVER use gas operated equipment for uses other than those specified. (e.g., the hob burners must never be used to heat the interior of the motorhome; the heater must never be used to cook or reheat food).

HOW TO REPLACE THE GAS CYLINDERS

- Do not smoke or ignite any flame when replacing the gas cylinders.
- Close the main valve of the gas cylinder **A**. Turn the handle in the direction indicated by the arrow.
- Turn the ring nut of the pressure regulator clockwise and remove the regulator from the valve on the cylinder.
- Release the fastening strap and remove the gas cylinder from the storage compartment.
- Position the new gas cylinder in the compartment. Secure the cylinder with the fastening strap.
- With every gas cylinder change, replace the gasket of the pressure regulator with the new one provided with the new cylinder.
- Screw the pressure regulator onto the main valve of the cylinder and screw the ring nut of the gas regulator.



CAUTION

It is essential that the gas cylinder outlet is fitted with a 30 Mbar pressure regulator with fixed calibration and MAXIMUM capacity of 1 kg/h, as well as a connection fitting compatible with the tap present on the gas cylinder which conforms to standard EN 12864. Installation must comply with EN 1949.

If you use your motorhome during winter, ensure that the cylinder contains propane gas which does not freeze in low temperatures.

If the gas freezes, the supply will be blocked and the hob and heating system will not function.

The ring nut of the pressure regulator has a left-handed thread. Screw it by turning anti-clockwise.

12V POWER SUPPLY

- The service battery supplies power at 12V. Depending on the model, it will be positioned in an appropriate compartment inside the vehicle.
- The service battery powers the equipment inside the living space of your motorhome, providing electricity to equipment such as the fridge, control unit, heaters, etc., as well as accessories and lights.
- The electrical parts related to the chassis and cab are powered by the vehicle's own battery.
- Both batteries are recharged when travelling by the alternator.
- Once the motor is switched off, where there is a fridge with an automatic switch, it will not be necessary to manually disconnect it from the battery as the appliance will do this automatically. In all other cases, please consult the specific appliance's manual. This function is specifically intended to ensure that the vehicle battery has enough power to start.
- You can check the battery charge by consulting the electronic control unit.

230V MAINS POWER SUPPLY

- Naturally your motorhome can also be connected to the 230V mains power supply. All equipment can be freely used and the power supply is protected by a 30 mA safety switch, more commonly known as a circuit breaker.

ATTENTION

Any intervention you wish to make on the electrical distribution panel must be performed with the circuit breaker on '0' or 'OFF'.

The outlets inside the vehicle must be used only for their apposite appliances.

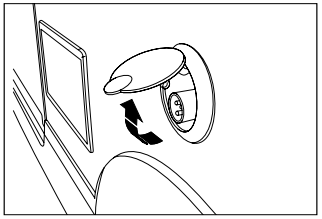
Appliances plugged to an inside socket cannot be used outside.

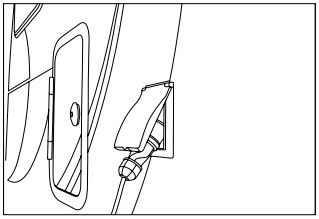
CAUTION

- The fridge uses the auxiliary battery the most and should be switched off when the engine is not running. If you cannot connect to the mains power supply, it is advisable to use energy inside the vehicle as the battery allows power for a limited time.
- On vehicles with inverter (e.g. with coffee maker), the inverter must only be used if the service battery voltage is higher than 12.1 volts.

EXTERNAL CONNECTION TO THE 230V MAINS POWER SUPPLY

- The mains connection cable (not supplied with the vehicle) must have specific characteristics.
- The plug and the socket must have a ground contact in compliance with standard EIC 23-12.
- The cable must be flexible and type H07 RN-F or its equivalent.
- The power supply (or transformer/battery charger) is located between the external power plug and the services battery. The power supply operates by being connected to the external network and its function is to recharge the battery and supply low voltage loads, transforming the external network's 230V AC supply voltage to the required level for charging.
- The power supply is equipped with an internal surge protection fuse. Once the optimal charge of the battery has been reached, current will be passed only partially to avoid boiling.





230V DISTRIBUTION BOARD

- If the circuit breaker trips to '0' or 'OFF', it is advisable to identify the cause of the fault before reconnecting the power.
- When consulting the control unit panel, it is always a good idea to check the battery charge and, in particular, whether charging is taking place correctly.

TANK PROBES

- We recommend that you do not leave water in the tank for long periods, in particular, grey water. This may damage the probes.

BATTERIES

- The service battery should be disconnected if you do not intend to use the vehicle for an extended period of time. To do so, just disconnect the appropriate quick-release clamp.
- Only use sealed (maintenance-free) batteries as auxiliary batteries.
- If using a non-AGM lead-acid battery, ensure that the hose provided is connected to vent the vapours generated during charging to the outside.
- If using a lithium battery as an auxiliary battery, observe the following instructions:
  - Lithium batteries must be handled with care, using appropriate personal protective equipment, and only by qualified personnel.
  - Maintenance of lithium batteries must be carried out only by qualified personnel authorised by the battery manufacturer.
  - Keep lithium batteries out of the reach of children.
- Never replace a blown fuse with metal wires, other scrap material or fuses with a higher rating than that specified.The service battery must always be replaced by an authorized dealership or repair shop if it needs to be changed.
- Even when using maintenance-free batteries, it's advisable to always read the manufacturer's instructions. Pay particular attention to the charging time if the battery is completely drained. This should never take less than 10 hours.
- It's good practice to fully charge the service battery every 4 to 5 months.
- It's advisable to start up the motorhome and run the engine every 2 to 3 months to keep the battery in good condition.
- Before starting your journey, check the charge of the auxiliary battery. Even if it's recharged during the trip, the duration may not be enough to fully recharge it and it's advisable to connect it to the electrical grid as soon as possible.
- Depending on the type of battery chemistry to be used (AGM, LITHIUM, LEAD, etc.), the electronic devices fitted to the vehicle must be adjusted in accordance with the instructions in the supplier's manual supplied with the vehicle.
- A completely discharged battery reaches the value of 12.5 V only after 12 hours of connection to the electrical grid.



ATTENTION

Leaving the battery discharged for a long period can irreparably compromise its charging capacity, and it is worth remembering that the higher the external temperature, the greater the speed at which the bat-

tery discharges. The same happens in case of very low ambient temperature.



CAUTION
Any replacement of the auxiliary battery must be of the same type and specifications as those listed in this manual. Turn off all accessories and lights before connecting or disconnecting the auxiliary battery.



CAUTION
- Starting the engine with the service battery disconnected could cause a short circuit.
- A battery left discharged for over six months is irreparably damaged, with permanent loss of charge capacity.

CHARGING THE BATTERIES

- In addition to whilst driving, the service battery can be recharged in two ways: by connecting the vehicle to the electrical grid or by using an external charger.
- In the latter case, it is recommended to remove the battery.
- If you want to remove or replace the battery, remember to disconnect the negative pole first and then the positive pole.

BATTERY CONSERVATION DURING WINTER

- Batteries lose their charge rapidly during winter. If possible, periodically connect the power cable to the electrical grid to recharge it.
- When reattaching, proceed in reverse, first with the positive terminal and then the negative

WATER SYSTEM

Every vehicle is equipped with a water system to distribute the potable water stored in tanks, to various outlets. The water system can be activated by switching on the water pump switch located in the control unit.

CLEAN WATER TANK

The clean water tank can be filled from the outside through the appropriate port, which can be on the right or left side of the motorhome, depending on the model.



ATTENTION
- Any repair work on the water system must be carried out by authorised LUANO CAMP repair shop personnel.

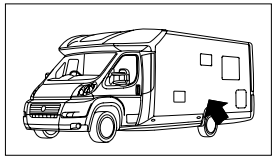
WATER FILLING INLET OPENING

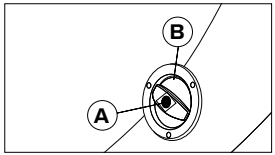
- Some models have a flap to access the water supply cap.
- For others, the cap can be accessed directly.
- To open, insert the key into lock **A**, turn anti-clockwise, and remove the key.

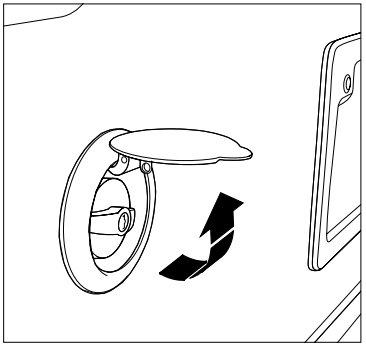
- Then, turn knob **B** anti-clockwise to remove the cap.
- Fill the tank.
- To close the inlet, repeat the sequence in reverse order.

TIPS

- To prevent the build-up of deposits, periodically clean the tank. Clean it with appropriate products such as disinfectant.
- Do not use harmful products.







The tank has a probe which reports the level of available water on the control panel. To have 2-3 days of autonomy for 4 people, the water consumption must be considered.

ATTENTION

The water in the clean water tank should not considered potable.

ATTENTION

The water in the tank loses its hygienic properties, after a few days–even if additives have been added. It is advisable not to use the water for food preparation. It is good practice to frequently replace the water after cleaning the tank with a disinfectant.

ATTENTION

Before using the motorhome, thoroughly rinse the tank and pipes with potable water, fill the water supply inlet, drain the water by leaving the bathroom and kitchen taps open. The tank has an internal port for this purpose (see maintenance chapter).

ATTENTION

To increase the gross vehicle weight whilst driving, the clean water tank must contain 20 litres.

TIPS

During periods of motorhome inactivity, it's advisable to completely empty the tank.

WATER SYSTEM TROUBLESHOOTING		
PROBLEM	**CAUSE**	**SOLUTION**
The pump does not start when the tap is opened	Battery is flat	Check the battery charge and: - If available, connect to the 230V main - Start the engine and make a run to allow the battery to recharge
	Contacts oxidized	Thoroughly clean the pump contacts
	Blown fuse	Check to see that the fuse panel is on and, if necessary, replace the damaged fuse
	Cable disconnected	Verify that the pump power cable is correct
The pump starts when the taps are closed	The shut-off valve has a leak	Contact a repair shop authorised by LUANO CAMP for a replacement
	There is a leak in the water system	Check the piping and contact a repair shop authorised by LUANO CAMP if a leak is found
	Damaged pump	Contact a repair shop authorised by LUANO CAMP for a replacement
The pump does not stop when the taps are closed	The pressure switch is faulty	Contact a repair shop authorised by LUANO CAMP for a check and possible replacement
	There is a leak in the water system	Check the piping and contact a repair shop authorised by LUANO CAMP if a leak is found
	There is air in the system	Open all the taps to accelerate charging the system
Water does not flow from the taps	There is air in the pipes	Open all the taps to accelerate charging the system
	The tap is blocked	Confirm by opening another tap and contact a repair shop authorised by LUANO CAMP if necessary
	The water pipe is bent	Place the pipe in the correct position. In any event, contact a repair shop authorised by LUANO CAMP for a replacement
	The filter is blocked	Clean the filter following the instructions provided in the User and Maintenance manual of the pump manufacturer
	Frozen pipe	Warm up the pipe to allow for defrosting

GREY WATER TANK

- This motorhome is equipped with a grey water tank (excluding the WC) under the body. The water level of the tank is shown on the control unit panel. The level in the tank can be checked using the control unit.

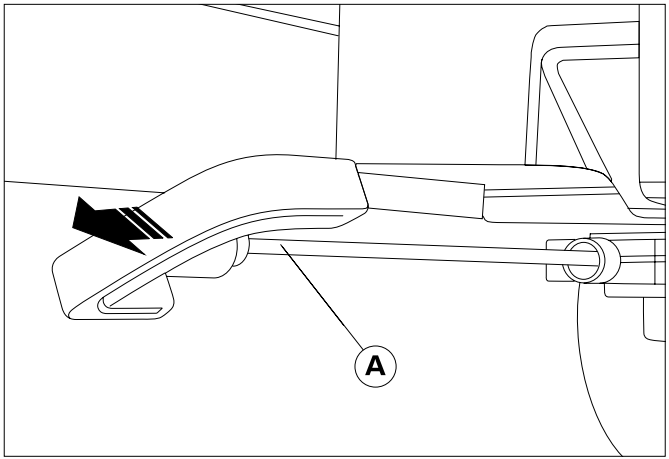
CAUTION
Do not pour water used for cooking pasta down the drain, as the high starch and fat content will settle over time in the tank and cause unpleasant odours.

CAUTION
To avoid possible problems with the grey water tank in winter or in very low temperatures, add anti-freeze in the proportions indicated on the product's packaging. Pour it into the tank through one of the sink drains.

TIPS
Close the sink and shower drains with the appropriate plugs to avoid unpleasant odours when not in use.

EMPTYING THE GREY WATER TANK

- Your motorhome is equipped with a grey water tank, excluding the WC, which has a separate cassette. The level of the tank is indicated on the control panel both visually and audibly. To discharge (in designated areas), simply pull the valve lever **A** located outside the vehicle.
- The drain valve on some models is equipped with a specific connection for an extension (flexible hose). Once inserted, this extension allows you to discharge waste water within a certain radius without having to remove the motorhome.



CAUTION
The position of the grey water tank varies depending on the model of motorhome, and as a result, the position of the drain valve also varies.

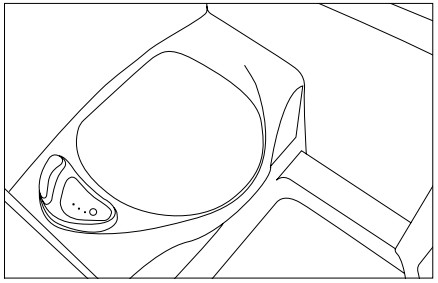
ENVIRONMENT
Empty the grey water tank only at designated disposal points or in designated areas (wells) at campsites.

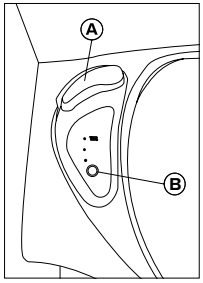
TOILET CASSETTE

- The motorhome is equipped with a cassette WC with water flush from the clean water tank. The WC may vary depending on your model.
- The water inlet and drainage are activated by means of lever **A** located on the toilet. To flush press button **D** located above the toilet. The cassette is located outside the motorhome in line with the WC.

FLUSHING

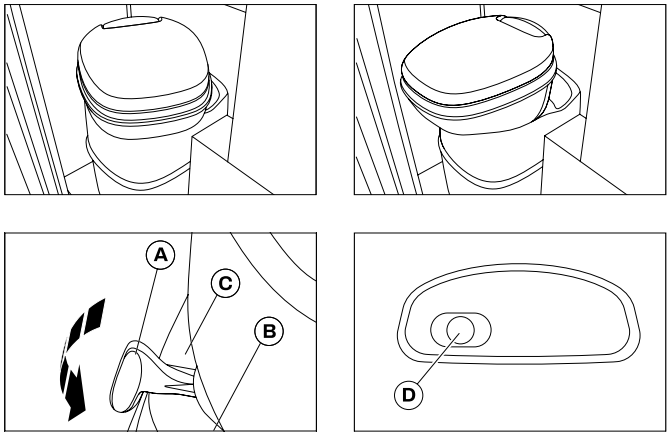
- Move lever **A** to open the discharge outlet.
- Press and hold button **B** to flush. Keep it pressed for the time required.
- Move lever **A** to close the discharge outlet.





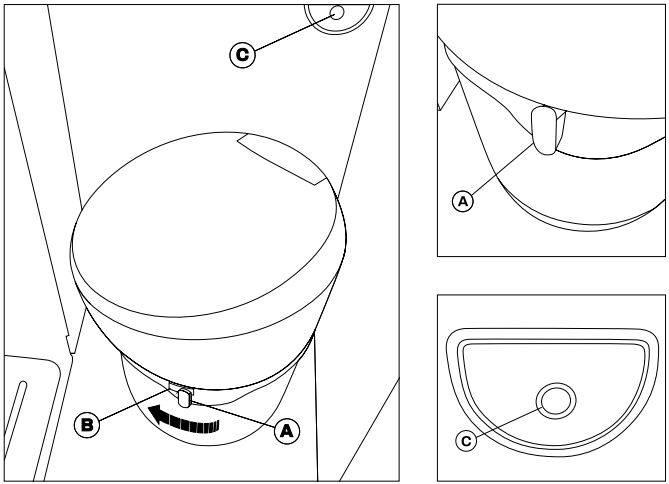
TOILET CASSETTE

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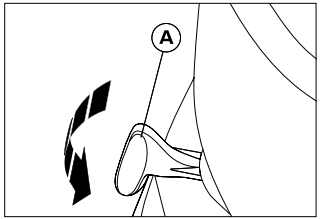
FLUSHING

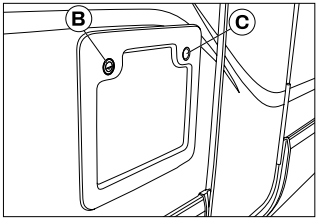
- Move lever **A** to position **B** to open the discharge outlet.
- Press and hold button **C** to flush. Keep it pressed for the time required.
- Move lever to position **A** to close the discharge outlet.

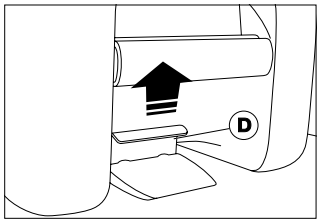


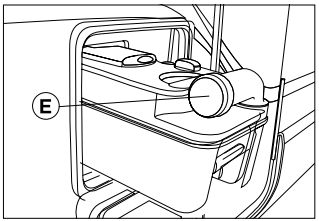
EMPTYING THE CASSETTE

- Depending on the motorhome model, the door to access the WC cassette may be on the right or left side.
- The tank must be emptied as soon as the red LED light on the toilet control panel or WC is turned on.
- Make sure the WC discharge door is closed, lever **A** must be in the central position.
- Open the lock **B** with the key, then remove it.
- Press button **C** and open the door.
- Apply light pressure upwards on the appropriate handle **D** and remove the cassette.
- Cover the discharge valve with the provided cap **E**.



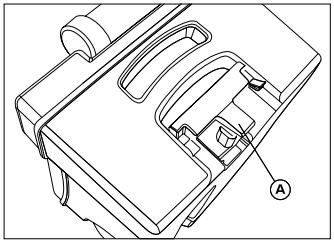


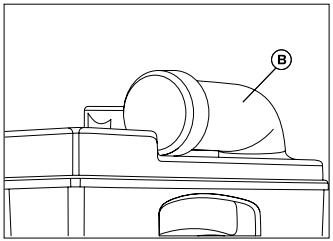


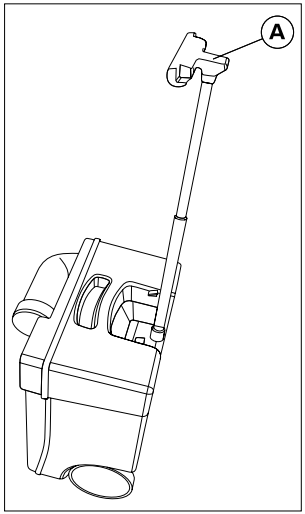


TOILET CASSETTE HANDLING PROCEDURE

- Extract and lift the cassette using handle **A** from locking position, carry the cassette to an authorised dumping point holding it by the handle.
- Put the handle back, turn the coupling **B**, remove the dispenser cap, pour specific toilet fluid into the cassette, add approximately 2 litres of water and grasp the tank so as to hold the ventilation button pressed whilst emptying.

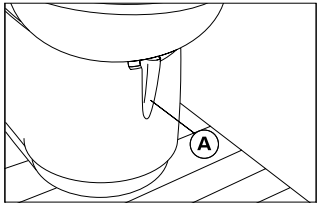


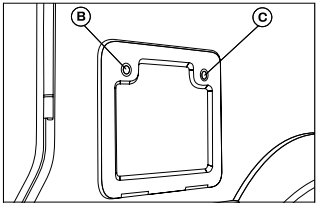


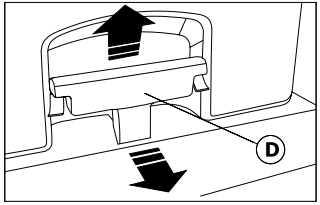


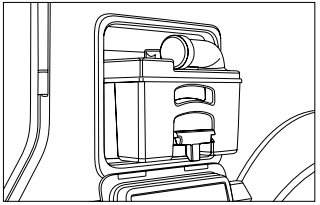
EMPTYING THE CASSETTE

- Depending on the camper model, the door to access the WC cassette may be on the right or left side.
- The tank has a capacity of about 18 litres and must be emptied as soon as the red LED light on the toilet control panel or WC is turned on.
- Make sure the WC discharge door is closed, lever **A** must be in the central position.
- Open the lock **B** with the key, then remove it.
- Press button **C** and open the door.
- Apply light pressure upwards on the appropriate handle **D** and remove the cassette.
- Cover the discharge valve with the provided cap.









ATTENTION
To increase the gross vehicle weight whilst driving, the clean water tank must contain 20 litres.

ENVIRONMENT
Emptying the cassette in waste disposal points (motorhome Service) or in camping collection points. Emptying the cassette in camping toilets is not allowed.

CAUTION
Do not force the cassette into its compartment, as this could cause serious damage. In case of difficulty, check that the discharge valve is in the correct position.

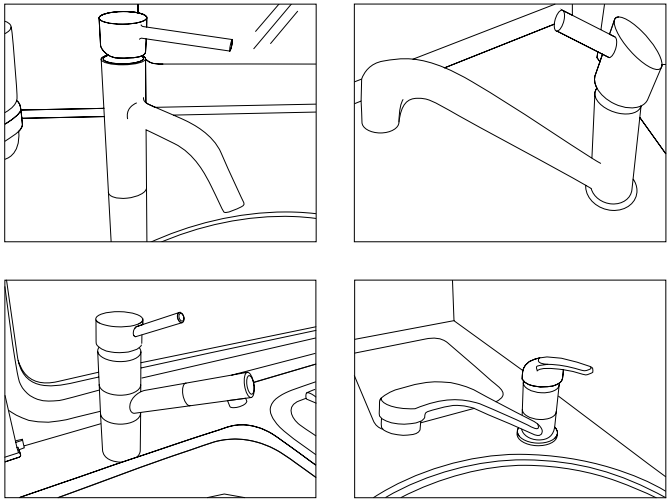
CAUTION
Never add toilet fluid through the discharge valve as it could damage the discharge tank gasket. Only add liquids via the discharge coupling.

CAUTION
Lubricate the lip gasket at least once a year using appropriate products. Wash and disinfect the cassette with water and disinfectants.

TAPS AND PIPING

The depictions of the taps are for illustration purposes only and may vary in both form and position depending on the model.

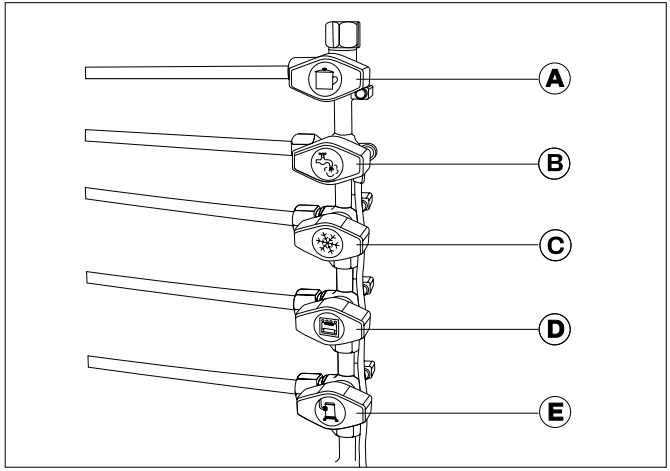
- The water system pipes connect all the fixtures. They are made of non-toxic materials suitable for food. The pipes consist of a cold line, blue coloured pipe, and a hot water line (red pipe).
- Operation, maintenance, and cleaning of the taps should be done as you would with those in your home.



GAS DISTRIBUTION CONTROL UNIT

Your motorhome is fitted with a hob, oven, fridge, heater and boiler. Before putting into operation installed and gas-operated equipment, open the main shut-off valve of the gas cylinder and the tap of the corresponding gas cylinder.

A - Hob tap
B - Boiler tap
C - Fridge tap
D - Oven tap
E - Heater tap



CAUTION
The gas control unit may vary according to the fittings in the motorhome.

ATTENTION
Read the instruction manual supplied by the manufacturer when you use gas appliances for the first time.

HEATING SYSTEM

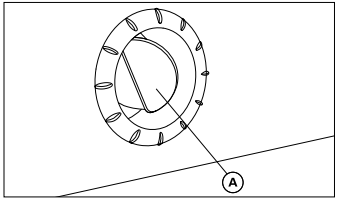
All our motorhomes are equipped with an internal hot air distribution system.

For information on the different types of devices, please consult the following QR code/link
www.luanocamp.it/heating

USING THE HEATING CORRECTLY

The motorhome is equipped with several air vents. A series of ducts transport hot air to the vents. Orient the vents using flap **A** so that hot air comes out in the desired direction.
The air flow can vary based on the opening of the vents. With the vent fully open there will be maximum hot air flow, with partially open vents there will be reduced hot air flow.

When all vents are open, the hot air flow from each vent is limited. The hot air flow can vary based on the open vents.



ATTENTION
Have a repair shop authorised by LUANO CAMP check the discharge elements of all gas appliances once a year. In particular, check the heater discharge which must function efficiently and be free of obstructions and breakages. Take the utmost care to avoid crushing, holes, tears or detachments of the heating discharge pipes in order to avoid the release of carbon dioxide.

ATTENTION
The heat exchanger must be replaced after 10 years from its initial operation. It must be replaced by the heater manufacturer or by a repair shop authorised by LUANO CAMP.

CAUTION
Do not obstruct the air vents in your motorhome.

KITCHEN EXTRACTOR FAN

The kitchen extractor fan removes vapours, fumes and unpleasant odours during cooking. To operate it, simply press the button. Please remember to limit excessive use of suction to what is strictly necessary in order to avoid excessive energy consumption.

ATTENTION
- Before operating the hob, ensure proper ventilation by opening windows and skylight.
- Do not use the hob or the oven as a heater.

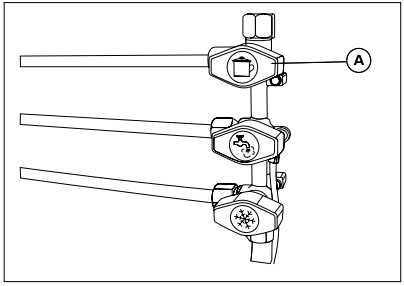
ATTENTION
When the gas stove is in use, keep flammable or easily ignitable objects away from it.

CAUTION
Do not use the glass cover of the hob as a support surface.

CAUTION
Lower the hob cover whilst in transit.

HOB

- Turn on the hob by opening the shut-off valve on gas cylinder **A** and the gas tap marked 'Kitchen'.



CAUTION
Do not close the glass hob cover whilst it is still warm.

CAUTION
A flame guard is available near the hob and can be dismantled for washing purposes if necessary. Ensure that the flame guard is installed when the stove is being used.

For information on the different types of appliances, please consult the following QR code/ link www.luanocamp.it/hob

FRIDGE

- It is recommended to clean the inside of the fridge with the utmost care before using.
- To turn it on, hold the on/off switch down for 1 second.

For information on the different types of appliances, please consult the following QR code/ link www.luanocamp.it/fridge

CAUTION
Read the respective user and maintenance manual carefully.

MAINTENANCE

SCHEDULED MAINTENANCE

EXTERNAL CLEANING

The motorhome is made of materials which are particularly resistant to the elements and atmospheric conditions. Periodically wash your motorhome with a water jet from top to bottom. Use neutral and non-aggressive cleaning agents. Do not use hard brushes. Dry surfaces with soft cloth. Take special care in selecting products to clean plastic parts, bumpers and side straps. Do not use alcohol-based products or solvents. Refer to a repair shop authorised by LUANO CAMP for advice on recommended products.

INTERNAL CLEANING

To keep the interior of your motorhome always looking new it is essential to ensure thorough and periodic cleaning. Advice on cleaning various components is provided below:

FURNISHINGS
Use a soft, slightly damp cloth with neutral soap for cleaning the internal and external surfaces of furnishings, furniture handles and various plastic parts.

CUSHION COVERS, CURTAINS AND FABRICS
Dry clean fabrics to avoid shrinking and discolouring. Do not wash the cushions.

SINK AND HOB
Do not wash the sink and the hob with abrasive products. Use water and a suitable dense detergent. Clean the gas stove with a damp sponge. Avoid water from entering any gas stove openings, as water could damage it.

WINDOWS, BLACKOUT BLINDS AND FLYSCREENS
Particular attention must be given to windows, as they are made of acrylic glass and must be treated with care. Brush the roller blackout blinds and flyscreens with a soft brush. In case of 'greasy' dirt, use soapy water at 30°C for blinds near the gas stove.

BATHROOM
When cleaning the bathroom, only use a solution of water and soap. Do not use alcohol-based products.

FLOORING
Use a neutral soap solution in warm water. Scrub with a non-abrasive soft sponge and rinse with warm water.

BLACK WATER TANK
After using the motorhome, it is recommended to clean the black water tank using detergent and rinsing with plenty of water.

ATTENTION
- When washing your motorhome, do not use abrasive substances or sponges that may damage and/or

scratch glossy surfaces.
- To better protect the paintwork, avoid washing the motorhome after a long stay in the sun.
- Do not use high-pressure or high-temperature water blasters when washing your motorhome.
- Do not direct the water jet towards the refrigerator vents or roof vents.
- Do not clean the exterior graphic details with alcohol or solvents.
- If the motorhome surface has dull areas, you can treat the affected area with a non-abrasive car wax.

CAUTION
- Do not rub the acrylic glass surface when it is dry, as dust particles may scratch it.
- Clean the acrylic glass with warm water, a neutral detergent, and a soft cloth.
- Do not use glass cleaners containing alcohol or chemical additives as they will irreparably damage the acrylic glass surface.
- Treat the rubber seals around the windows with glycerine.

ATTENTION
For safety reasons, replacement parts for an appliance must be in compliance with the manufacturer's specifications and must be installed by the manufacturer or one of their agents.

CLEAN WATER TANK

Clean the 'clean water' tank and pipes thoroughly using disinfectants available at chemists at least once a month. Do not use the water from the clean water tank for drinking. To clean the tank, use outlet **A** located on the top of the tank. To clean, unscrew the cap. To empty the tank, open outlet **A**, insert hand inside the tank, grip and rotate the "T' shaped cap (Fig. 2) upwards 90° (Fig. 3), pull and remove the cap (see Fig. 4). Once emptied, replace the cap.

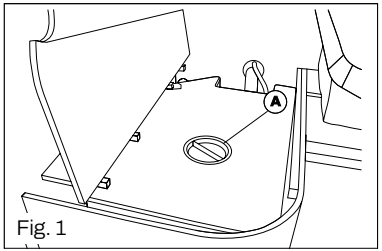
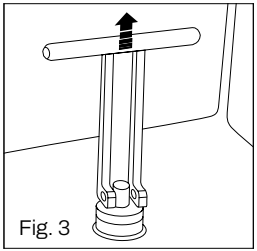
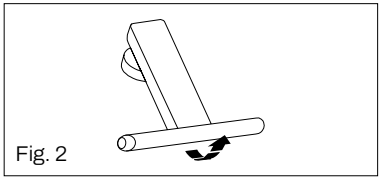
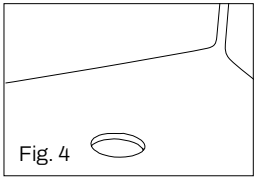


Fig. 1


Fig. 3


Fig. 2

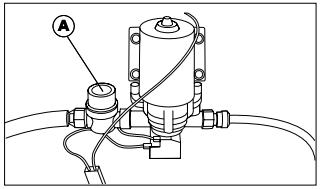

Fig. 4

WATER SYSTEM

CLEANING THE FILTER OF THE INTERNAL WATER PUMP

Periodically clean the external filter or when the water flow from the taps is reduced, even when there is water in the tank and the pump is functioning. Clean the tap filters first, then clean the pump filter if necessary.

- Disconnect the water pump switch from the electronic control panel.
- Empty the water tank and flush all the pipes of the plumbing system.
- Unscrew the plastic fitting that connects the filter to the discharge pipe.
- Unscrew the filter cover **A**, remove the filter.
- Clean the filter with water and a sponge.



For information on the different types, please consult the following QR codes/links
www.luanocamp.it/water-pump

CAUTION
Have the tightening of the hose clamps, in correspondence with the pump, taps, boiler, sink drains, etc., checked at an authorized LUANO CAMP repair shop, particularly on hot water pipes.

CAUTION
The internal filter cleaning must be carried out at an authorized LUANO CAMP repair shop.

PERIODS OF INACTIVITY

SHORT-TERM

If the motorhome is to remain idle for a short period, some actions are necessary:

VEHICLE

- Fill the fuel tank with winter diesel to avoid condensation that can cause corrosion and damage the feeding system.
- If it is not possible to lift the motorhome slightly using jacks to relieve the weight from the tires, move the motorhome every 3/4 weeks to avoid tire deformation.
- Protect the tires from direct sun to prevent cracking.
- Ensure that the floor and underbody have sufficient air circulation.

LIVING AREA

- Clean the fridge, leave the refrigerator door and freezer

compartment slightly open.
- Cover the dinette and seat cushions with a breathable cloth.

GAS SYSTEM
- Close the main shut-off valve of the gas.
- Close all the gas taps.
- Remove the gas cylinders even if empty.

ELECTRICAL SYSTEM
- Fully charge the service and vehicle batteries.
- Disconnect the battery cut-off switch.

WATER SYSTEM
- Empty the water system completely, including the water pipes. Leave water taps open. Leave all discharge taps open.



CAUTION
Charge the battery for at least 20 hours before any period of inactivity.

WINTER INACTIVITY

Additional measures need to be taken during the winter period:

VEHICLE
- Fill the fuel tank with winter diesel to avoid condensation that can cause corrosion and damage the feeding system.

MOTORHOME
- Leave the forced ventilation open.
- Clean and lubricate all door and cupboard hinges.
- Cover all gaskets with talcum powder or a silicone spray.

LIVING AREA
- Remove the cushions and backrests of the dinette and store them in a dry place.
- Aerate the interior of the motorhome every 2 to 3 weeks.
- Leave all cupboards and shelves empty. Open cupboard doors and drawers.
- Carefully clean inside cupboards.

ELECTRICAL SYSTEM
- Remove the vehicle and service batteries and store them in a place protected from freezing.

WATER SYSTEM
- Clean the water system using the products previously indicated.



CAUTION
Humidity and lack of air circulation, for example, by sheets or nylon coverings, can result in condensation marks and stains on the motorhome surface.

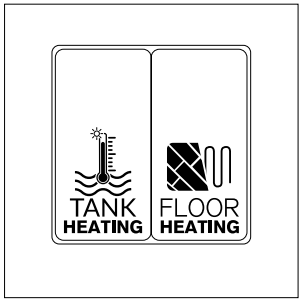
OPTIONS

HEATED FLOORING

The heated flooring is turned on and off through the switch usually located near the kitchen.
The system is connected to the 230V main and is therefore protected by a circuit breaker. The heating is carried out via resistors that run inside the floor.

HEATED TANK

The heated tank prevents the grey water from freezing. The power switch is usually located near the kitchen.
It operates at 12V. If turned on, it activates a resistor inside the tank if the temperature drops below 3°C.



INVERTER

Far a correct use of the inverter, please don't exceed the indicated electrical power (Fig. 1).

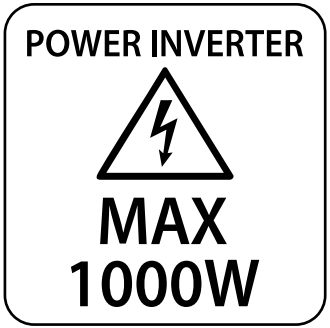


Fig. 1

It's recommencied to switch the inverter off in case of non-usage.

CAUTION
Read the respective user anci maintenance manual carefully.

WARRANTY

The ‘warranty certificate’ which outlines all the services and conditions reserved for the customer is delivered by the dealership to the customer at the time of sale. These documents indicate:

- Model (commercial identification)
- Chassis number
- Registration date

Please have all of this information to hand when corresponding with our customer support.
The chassis warranty certificate will be delivered to the customer by the dealership at the time of sale, this procedure remains valid until different arrangements are made by the chassis builders.
With regard to the chassis on which the motorhome is mounted, we invite you to consult the warranty certificate of the chassis builder and the User Manual of the manufacturer and to comply with the prescriptions contained therein.
Any damage caused by improper use of the component is not covered by warranty.
The warranty does not cover modifications and tampering of devices or systems, nor the use of non-original spare parts.
Aftermarket accessories installed are not the responsibility of LUANO CAMP.

04/26

LUANO CAMP

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