Australia
Self-contained

Polaris 2 Gen 4

Vehicle manual.

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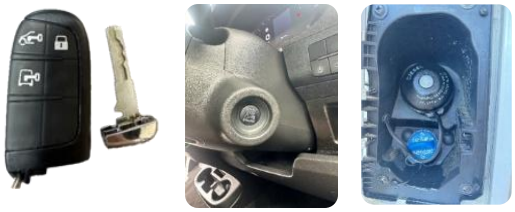
01. Description of keys



IGNITION KEY:

Use for

1. Start your vehicle
2. Unlock/ lock diesel tank cap (Need to remove the key out of the shell)

FRESH WATER KEY:

Use for

1. Unlock/ lock freshwater compartment

COMPARTMENT KEY 1:

Use for

1. Unlock/ L.P. Gas storage compartment

COMPARTMENT KEY 2:

Use for

1. Unlock/ lock toilet cassette compartment

EXTERNAL SHOWER KEY:

Use for

1. Unlock/ lock external shower compartment

02. Vehicle equipment

FIRE EXTINGUISHER

Each vehicle is equipped with a dry chemical fire extinguisher, meticulously selected to address both type B fires (involving grease and liquids) and type C fires (involving electrical elements). To deploy the extinguisher effectively, grasp the ring situated atop the bottle, direct the nozzle towards the top of the flames, and press down the lever firmly. Guide the nozzle from side to side to cover the entire width of the base of the flames.

*Fire extinguisher is attached to the interior of the vehicle

SMOKE ALARM

Each vehicle is furnished with a smoke alarm, serving as a crucial element for your safety and security. This alarm is energized by a replaceable 9-volt battery. Should a replacement be warranted during the duration of your rental, kindly procure a new battery, retain the receipt, and upon vehicle return, reimbursement will be facilitated accordingly.

*DO NOT DISCONNECT THE SMOKE ALARM. IT MUST BE CONNECTED AT ALL TIMES FOR YOUR SAFETY.

03. Starting the vehicle

Gear stick in parking mode

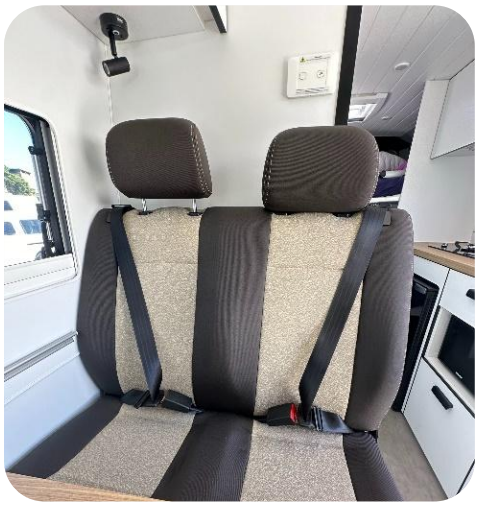
Gear stick must be in PARK and your foot on the pedal in order for the vehicle to start.
The dashboard will display a 'P' indicating that the vehicle is in park. Start the vehicle using the ignition key.

Gear stick in driving mode

With your foot still on the brake pedal, pull the gear stick down into the 'D' position. The dashboard will display a 'D' indicating that the vehicle is in drive.
Disengage the hand brake by clicking it down once. A white light will disappear. To engage the handbrake, pull the handbrake button towards you. A white light will appear.

CAUTION – Handbrake is on the right-hand side of the steering wheel. Do not forget to disengage the handbrake before you drive.

04. Baby seat installation

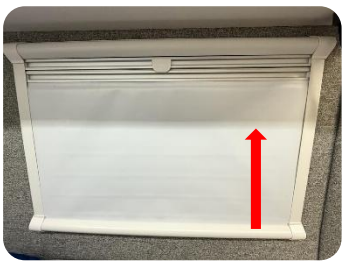


The two anchor points for baby seats are located on the front forward-facing seat at the dinette behind the driver's cabin. The anchor points are on the floor behind the seats. To install the baby seat, feed the tether strap through the back of the chair. Reach down to click the anchor into the anchor point. Thread the vehicle seatbelt through the seat belt path on the baby seat from one end and buckle on the other side. Ensure the seatbelt is firmly secured.

05. Windows & vents

Windows

To open the windows on board your vehicle, turn the handles inwards. Push the window out and click the latch in place. The window has a mosquito net and a sun blackout blind. These can be used separately. To use the mosquito net, pull the white blind down using the handle indents. Clip into place. To use the sun blackout blind, pull the blind up using the handle indents. Clip into place.



Vent

To open the vents, push the button circled below, grab the rail and pull it towards yourself.

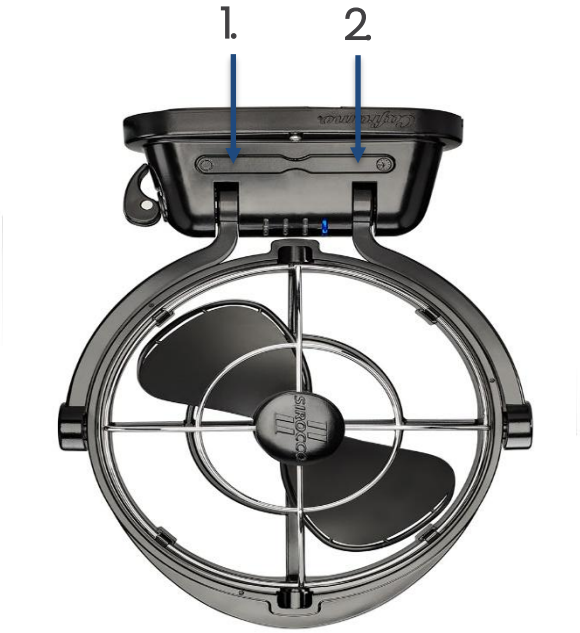
The vent has a mosquito net and a sun blackout blind. To use the mosquito net, pull the blind to the left using the handle indents. To use the sun blackout blind, pull the blind to the right using the handle indents.

To use the mosquito net, pull the white blind down using the handle indents. To use the sun blackout blind, pull the blind up using the handle indents.

06. Fans

Your vehicle is equipped with a small fan above the double bed and is operated via 12-volt power.

1. Power button - ON/OFF
2. Settings Button – Sets level of fan speed



07.240-volt electrical system

To run the microwave, power points, air conditioner and to recharge the house battery, connect the vehicles 15AMP electrical cord to a 240-volt external power source. The above items will only work when plugged into power. It is recommended that the vehicle is plugged into power every 2nd night to keep the house battery charged. Located on driver side

The 240-volt outlets and appliances are protected by two circuit breakers. This device is intended to protect you from electrical shock hazard when you are using the electrical appliances. If you experience a power surge where the circuit breakers trip, locate the circuit breakers on the outside of the vehicle and switch them back to the ON/UP position. The circuit breakers are located next to the power outlet.

Overloading the 240-volt system will cause the circuit breakers to turn off. This can happen when using multiple 240-volt items at once.

Your vehicle is fitted with a GPO (General Purpose Outlet) designed for a 240-volt, 10-amp power cord, located on the passenger side.

This will only function when the vehicle is connected to an external 240-volt mains supply.

Tip: When connecting the vehicle to mains power, ensure the 240V plug is fully inserted into the vehicle's power inlet before switching on the campsite power. A secure connection helps ensure a reliable power supply and reduces the risk of damage to the plug or socket.

The 240V power lead is stuck and won't unplug

If you're having difficulty removing the 240V power lead:

1. Turn OFF the power at the campsite power outlet before disconnecting the lead.

2. Firmly grip the plug (not the cable) and pull it straight out from the vehicle socket.

3. If the plug does not release easily, do not use excessive force or tools to remove it, as this may damage the plug or the vehicle's power inlet.

4. Contact our On Road Support team for assistance because it will require a repair person to fix it.

08. 12-volt electrical system

Your vehicle has two batteries. One in the engine compartment and one in the rear of the cabin. The battery inside the cabin is also called your domestic battery. The engine compartment battery is located under the passenger's side cabin floor, in the front cabin.
The domestic battery operates the water pump, fridge & interior lights. The domestic battery is charged by the alternator when the vehicle is being driven and the 240-volt system when it is plugged into mains power source.

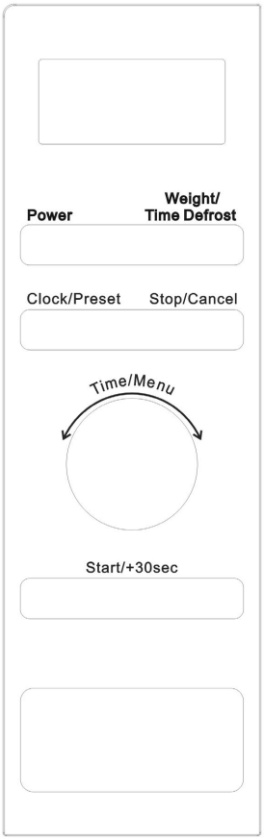
The 12-volt electrical control panel is mounted above the front dinette table on the wall. To activate, touch the screen.

A green indicator light will appear on the right-hand side of each button to show which systems are switched on.

1. **PWR** – To turn the power on & off.
2. **Pump** – To turn the water pump on & off.
3. **Night** – To turn the screen off at nighttime.
4. **HWS** – To turn the hot water system on & off.
5. **Light1/ Light2/ Light3** – To turn the lights on & off.
6. **12-volt battery charge percentage.**
7. **Tank 1** – Fresh water tank.
8. **Tank 2** – Grey water tank.

09. Microwave

The microwave in your vehicle will only operate via 240-volt power. This means that you need to be plugged into an external power source to utilize the microwave.



CONTROL PANEL

MENU ACTION SCREEN – Shows cooking time, power, indicators, and clock.
POWER – Press repeatedly to set power level.
CLOCK/PRESET – Set clock or program auto-start cooking.
WEIGHT/TIME DEFROST – Enter weight/servings or set defrost time.
MULTI-STAGE COOKING – Program multiple cooking stages.
STOP/CANCEL – Cancel/reset, pause (press once), stop (press twice), or set child lock.
TIME/MENU (KNOB) – Turn to set time or select auto menu.
START/+30SEC – Start cooking or press repeatedly to add 30 sec at full power.

Troubleshooting the microwave:

Problem	Possible cause	Solution
Microwave is inoperable	240-volt power cord not plugged in	Check that the vehicle is connected to mains power & that the outlet is in working order
Microwave is inoperable (light on, turntable working but not heating)	Microwave broken.	Contact Star RV Roadside Assistance
Sparks when microwave is turned on	Metal object in microwave	Remove object.

10. Fresh water tank and water access

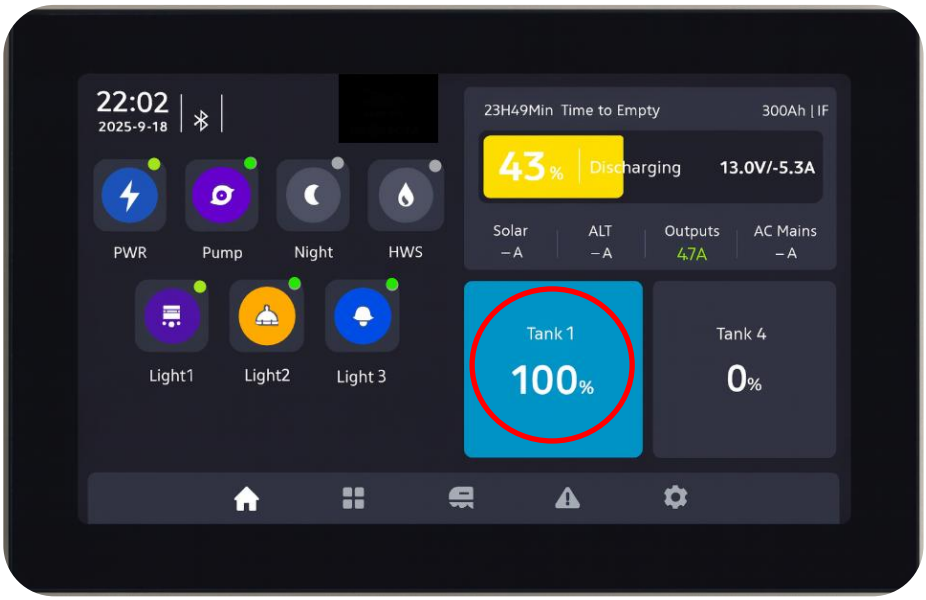
On board the vehicle is a freshwater system consisting of a water pump and freshwater tank. The water tank has an 80L freshwater tank and is located on the passenger side of the vehicle. This water is for the sink, shower and toilet flush.

To fill the freshwater tank:

1. Unlock the compartment that says "Water only" with the small white key on your keyring.
2. Remove the cap from the water inlet.
3. Place the end of the water hose into the tank and connect the hose to the tap to fill the vehicle with fresh water.

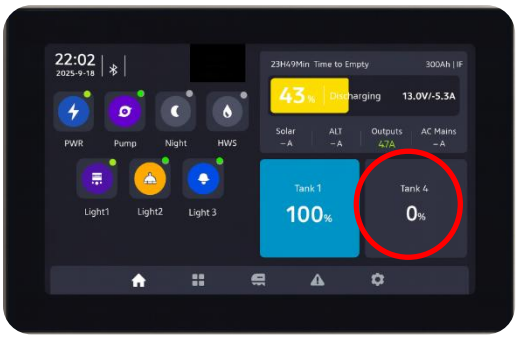
Note: Do not use too much pressure as the tank must be vented when filling. In the event of an air bubble, simply remove the hose, reinsert it and fill slowly again. The tank is full when the water starts to overflow from the water inlet.

You can check the level of your water on the 12-volt switchboard as seen below. This is the 1st tank level on the control panel.



11. Grey water tank

The grey water holding tank collects wastewater from the kitchen, bathroom sink and shower. You can check the level of your water on the 12-volt switchboard as seen below. This is 2nd tank level on the control panel.



It is not uncommon for the grey water level indicator to give an inaccurate reading. It may show 100% even if it is empty. We recommend emptying your grey water tank as regularly as possible.

To empty the grey water tank:

1. Collect the grey water hose from the storage compartment.
2. Connect the hose to the outlet. Make sure it is firmly attached by pulling down the silver levers on each side of the attachment.

3. Place the other end of the hose into the dump station disposal opening.
4. Open the tank by turning the blue lever so it is parallel with the pipe and wait for it to empty.
5. Once the grey water is empty, close the lever & remove the hose and stow away in the storage compartment.

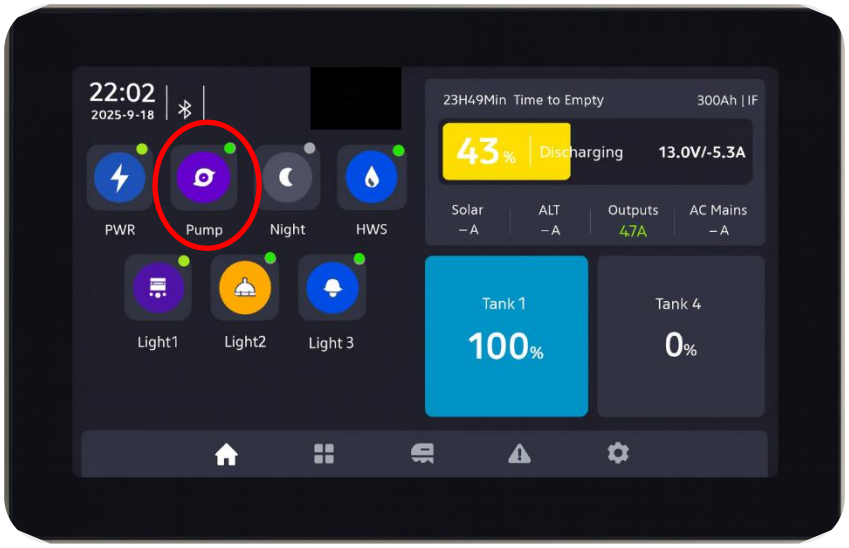
Should the grey water tank become obstructed during your journey, we recommend inserting a hose into the grey water outlet as far as it reaches. Turn on the hose to its highest pressure setting and direct the flow of water into the tank until it reaches full capacity. Once achieved, withdraw the hose, facilitating the flow of grey water. If needed, repeat this process until the obstruction is cleared.

12. Water pump

To use water on board the vehicle, ensure there is water in your freshwater tank outside. On the switchboard, press the Pump symbol once. You will hear the pump quietly start up. The pump operates as part of the 12-volt system. When you are not using the water pump, ensure It is turned off.

You must have this this button on to operate the kitchen tap, shower and the toilet flush.

Please Note: Avoid running the pump when the water tank is empty. Operating the pump continuously with no water can cause damage.



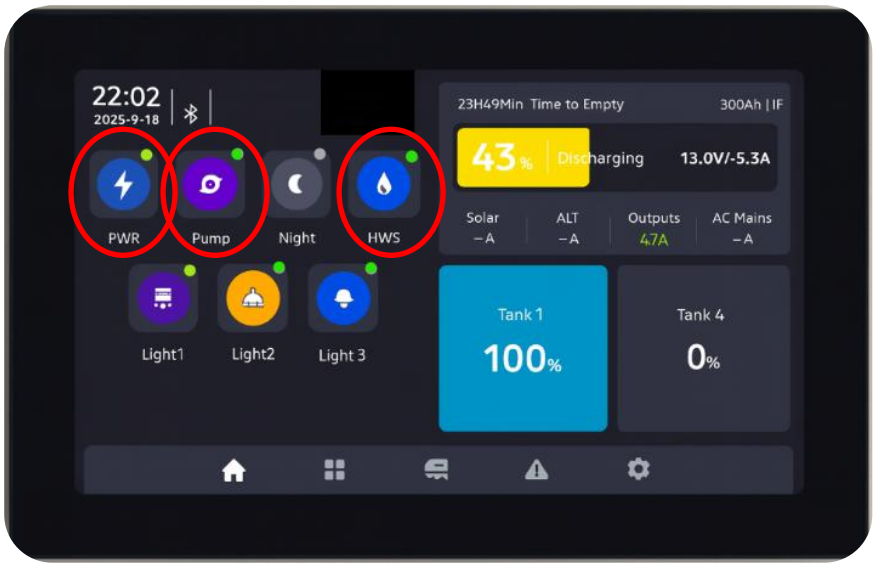
13. Hot water heater

The switch to activate the gas-operated water heater system is situated above the dinette table.

To operate the water heater in your vehicle, please follow the below steps:

Step 1: Turn the gas bottle, located in the rear doors under the bed, to the 'on' position, ensuring the valve is fully opened. Twist the valve on the gas bottle counterclockwise to open and clockwise to close. Note: The system will not function if there's insufficient gas in the bottle.

Step 2: Activate the PWR, pump, and HWS button on the 12-volt switchboard. This will also light up the screen on the hot water system control panel.



Step 3: When you run hot water, the "OFF" will disappear and a wheel will spin on the bottom left of the screen showing it's heating the water. The water will take a couple of minutes to heat up.

14. Toilet use

1. Turn on the pump button on the 12-Volt control panel.

Diagram A

2. Push the blue button on the toilet to fill the base with water (Diagram A)

Diagram B

3. Once finished, adjust the lever on the bottom of the toilet to empty into cassette (Diagram B)

Diagram C

4. Ensure the lever is in the closed position after use (Diagram C)

15. Toilet cassette

It is highly recommended to regularly empty the toilet cassette, and it is mandatory to empty and clean it before returning the vehicle to the depot. To empty the cassette, lift the blue (or Orange) lever and remove the entire cassette from the vehicle.

Should the cassette become jammed, refrain from applying excessive force. Instead, ensure that the toilet cavity inside the vehicle is securely closed. Once the cassette is removed from the vehicle, rotate the pour-out spout, and unscrew the cap. Dispose of the waste at a designated black water dump point.

Please Note: It is crucial for the cassette to click back into position to align with the toilet above.

Proper care of the toilet cassette will help prevent odours, maintain cleanliness, and ensure the toilet system operates correctly throughout your hire.

To prepare and use the toilet cassette:

- Ensure the cassette is securely fitted into the vehicle before use.
- Before first use, add one sachet of toilet chemical to the toilet. Push the lever to open the compartment and drop the sachet inside.
- Add approximately 0.5 litre of clean water also to activate the toilet chemical and assist with waste breakdown.

During your trip:

- Empty the toilet cassette regularly at designated dump points. Do not allow the cassette to become overfull, as this may cause spills, leaks, or difficulty emptying.
- After emptying, add fresh toilet chemical and approximately 0.5 litre of clean water before continuing use.
- Using toilet chemical as recommended will help control odours and keep the cassette clean.

Preparing the Toilet Cassette for Vehicle Return

- Before returning your vehicle, the toilet cassette must be cleaned and returned completely empty and free of liquid.
- Empty the toilet cassette at a designated dump point.
- Rinse the cassette thoroughly with clean water. (You may need to repeat this process until the water runs clear.)
- Add the recommended amount of toilet chemical and approximately 0.5 litre of clean water.
- Gently swirl the solution around the inside of the cassette for approximately 30 seconds to clean the interior.
- Empty the cassette completely, ensuring all liquid has been drained.
- Reinstall the clean, empty cassette in the vehicle.

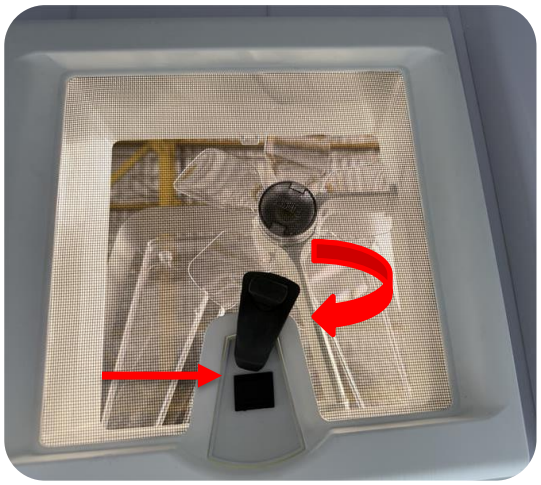
Important: The toilet cassette must be returned completely empty and clean at the end of your hire. Do not leave any water, waste, or cleaning solution inside the cassette.

16. Shower

To operate the shower, please follow the below steps:

1. Activate the gas-operated water heater system (as shown in section 13).
2. Turn on the water pump by pressing the PUMP button on the control panel.
3. Pull the shower handle towards you to turn the water on.
4. Adjust for hot or cold water by turning the handle. Left to 'H' for hot or right to 'C' for cold.

The vent in the shower serves as a means to expel excess moisture and odours from the vehicle. To open the vent, simply twist the handle clockwise. Additionally, the vent is equipped with a fan that can be activated by pressing the black button. This fan helps to further circulate air circulation and ventilation in the shower/ bathroom area, ensuring a comfortable and fresh environment inside the vehicle.



17. External shower

The vehicle is equipped with an external shower on the rear of the vehicle.

To operate:

1. Open compartment with external shower key.
2. Water pump to be turned on from main switch board.
3. Turn shower tap anti clockwise to turn water on.
4. Press shower button down for water to release.

18. Gas bottle

The gas bottle is located at the back of the vehicle, under the bed. There is a cupboard marked by a L.P. Gas storage label.

IMPORTANT: Never drive with the gas bottle turned to the 'open' position.

To open the gas bottle, rotate the valve fully in an anticlockwise direction. To close the gas bottle, turn the valve on top of the gas bottle clockwise until it's securely tightened.

If you detect the smell of gas:

1. Extinguish all open flames and smoking materials.
2. Refrain from touching any electrical switches.
3. Shut off the gas supply at the gas bottle using the valve on top of the bottle.
4. Open doors, windows, hatches, and any other ventilation openings.
5. Evacuate the area until the gas odour dissipates.
6. Contact Star RV for assistance.

19. Stove top

Warning: It is not safe to use cooking appliances for comfort heating.

The gas burners in the vehicle operate via gas. The basic functionality resembles that of a gas stove commonly found in households.

When the stove is in use, ensure that the rangehood is turned on. There are 4 buttons on the rangehood. From right to left:

1. Power button
2. Fan low button
3. Fan high button
4. Light on/ off button

IMPORTANT: The stove will not work unless the rangehood is turned on.

How to operate the stove:
To ignite the stove in the vehicle, follow these steps:

1. Locate the gas bottle on the exterior of the van and fully turn the valve on top of the gas bottle to the 'open' position.
2. Press in, hold down, and turn the burner knob to your desired heat level.
3. While continuing to push in the burner knob, press the igniter switch until the gas ignites. Maintain pressure on the burner knob.
4. Wait approximately 15 seconds before slowly releasing the burner knob.

Please Note: If the flame extinguishes, the burner knob may have been released too soon. Repeat steps two to four and try again.

20. Tap & sink

The vehicle comes equipped with a water filtration system. The handle on the back of the tap dispenses filtered water, while the handle on the front provides water directly from the freshwater tank.
Adjust for hot or cold water by turning the handle. Left to 'H' for hot or right to 'C' for cold.

21. Heater & air conditioner

The vehicle is equipped with a reverse cycle air conditioner. This will generate both hot and cold air to suit your needs. The air conditioner only works when plugged into 240-volt power and when the A/C switch is flicked to "ON".

Operating the Air conditioner:

1. Plug the vehicle into 240-volt mains power.
2. Turn the A/C switch located in the cupboard above the television to on.
3. Turn on the unit by pressing the power button on the remote control.
4. Select the mode.
5. Adjust the temperature using either the + button (for higher) or – button (for lower).

Display:

- Time
- Selected room temperature (target value) in °C
- Actual room temperature
- Air conditioning mode
- Fan speed
- Symbols for active additional functions
- Battery status

Button	Description
Power	Switches the AC on/ off
+	Increase temperature
-	Decrease temperature
Fan	Select fan speed
MODE	Select AC mode
Moon	Activates sleep function
SET	Confirms & saves settings
Timer	Sets timer
Campervan	Press once to display interior temp Press twice to display set temp
Battery	Remote control batteries are flat

Air Conditioning Modes

Mode	Symbol	Description
Automatic	A	Maintains set temperature automatically (heating/cooling + fan).
Cooling	❄	Cools interior to set temperature.
Heating	☼	Heats interior to set temperature.
Ventilation	↓↓↓	Circulates air without heating or cooling.
Dehumidifying	💧	Removes moisture, lowers humidity.
Air Purifier		Filters air, removes dust and particles.

Using the air conditioner in humid and hot conditions:

When utilising the air conditioner in humid climates, it's essential to take extra precautions to ensure optimal performance and minimize potential issues.

- If leaving the vehicle unattended for an extended period, keep curtains/blinds closed to maintain a cooler internal temperature.
- Before activating the air conditioner, ventilate the interior by opening doors and windows to expel warm air from the motorhome, thus reducing the internal temperature.
- Once the internal temperature has sufficiently decreased, close all windows and external doors before switching on the air conditioner.
- Adjust the temperature to 23 degrees Celsius while ensuring the fan operates at maximum speed. Avoid setting the temperature below this level.
- By adhering to these guidelines, you can reduce the risk of condensation, which may lead to water overflow within the motorhome.
-

Please Note: During periods of high temperature, air conditioners may experience fluctuations in power due to voltage drops from the 240-volt power source. This can result in blown internal fuses, causing the air conditioner to malfunction.

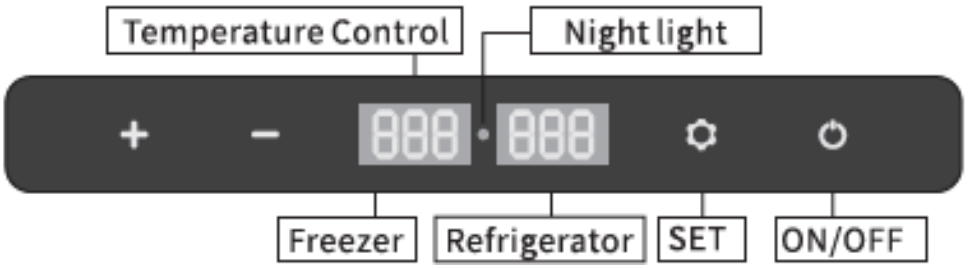
Using the air conditioner in cold conditions:

- The air conditioning units may cease functioning when temperatures drop below 4 degrees Celsius.
- If this occurs, wait for the temperature to rise before attempting to use the air conditioner again.
- In cold weather, the unit may temporarily pause if ice forms on the coils. This is normal — it will resume once defrosted.
- Allow a short warm-up period after restarting for the system to reach full operation.
- If your unit has a heating mode, it may still function even if cooling is disabled below 4ºC
- Ensure the power supply is stable, as voltage drops in cold conditions can also affect performance

IMPORTANT: Always ensure to turn off the air conditioner unit using the remote before disconnecting the vehicle from the 240-volt mains power.

22. Fridge

The fridge in your vehicle operates via the 12-volt & 240-volt system. To operate the fridge, follow the below steps:



Starting Up: When you turn it on, the fridge will beep once. The screen will light up for 2 seconds, then switch to normal mode.
Turning On/Off: Just press the power button to switch the fridge on or off.
Night Mode: While it's running, hold the button for 3 seconds to activate Night Mode. The display will turn off and a small night light will come on. Press the button quickly again to return to normal mode.
Setting the Temperature:
Press the set button to choose between freezer or fridge.
If the left side of the screen is flashing, use + / − to set the freezer temperature.
If the right side is flashing, use + / − to set the fridge temperature.
After 4 seconds, the settings will save automatically.
(Tip: the screen shows the current temperature, so it may take a little while for the fridge/freezer to reach the new setting.)

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Please note: The 12V battery system is designed to maintain fridge temperature, not lower it. To bring your fridge down to your desired temperature, you must connect to 240V power. Once the fridge has reached the right temperature, 12V will keep it there. We recommend plugging in to 240V power at least every second night.

Troubleshooting fridge error codes

Problem	Possible cause/ Solution
Fridge does not work	• Check if the switch is on. • Check if the fuse has been burnt. • Check if the power supply is malfunctioned. • Switch on/off the fridge frequently may cause start delay of the compressor
Refrigerator compartments are too warm	• The door is opened frequently. • A large amount of warm or hot food was stored recently. • The refrigerator has been disconnected for a long time.
Food is frozen	• The temperature was set too low.
Code F1 Displayed	Low voltage to the fridge. Adjust the battery protection from High to Medium or from Medium to Low.
Code F2 Displayed	Condenser fan is overloaded. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact STAR RV Roadside Assistance
Code F3 Displayed	The compressor starts too frequently. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact STAR RV Roadside Assistance
Code F4 Displayed	Compressor not kicking in. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact STAR RV Roadside Assistance
Code F5 Displayed	Overheating of the compressor & electronics. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact STAR RV Roadside Assistance
Code F6 Displayed	No parameter can be detected by the controller. Disconnect power to fridge for 5 minutes & re-start. If the code shows again, contact STAR RV Roadside Assistance
Code F7 or F8 Displayed	Temperature sensor is faulty. Contact STAR RV Roadside Assistance.

23. Lights

To operate the cabin lights, turn on the 12-volt control panel by pressing the PWR button.

There are 3 sets of light switches, one behind the kitchen bench (Diagram 1), one in the dining area (Diagram 2) and one in the bed area (Diagram 3).

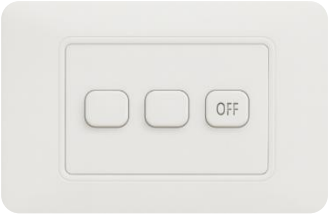


Diagram 1

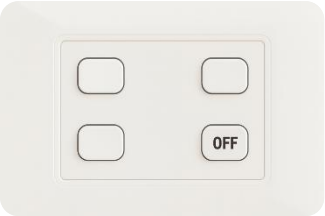


Diagram 2

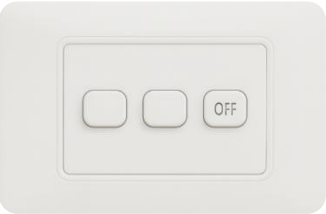
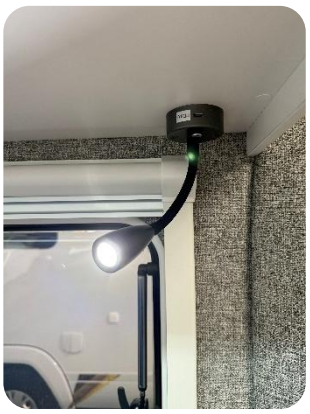


Diagram 3

Clicking the OFF button on the interior light switch will turn all lights off in the vehicle.

There are 3 lamp lights that are equipped with a USB-C port located in the vehicle. One in the dining area and two in the bed area



To switch the lights on: Press the round button lightly.
1 press = Blue light
2 presses = White light

The exterior light is operated by pressing the buttons on the light switch located behind the kitchen bench.

24. Television

The vehicle is equipped with a smart television for your entertainment. The remotes can be found either in the kitchen drawer or in the cabinet above the television. The television can run on both 12-volt and 240-volt mains power.

To use the television on 12-volt power:
Please ensure that the television 12-volt cord is plugged in. Ensure the Power button is illuminated on at the 12-volt power control panel.

To use the television on 240-volt power:
Your TV only operates when the vehicle is connected to 240V mains power at a powered campsite. Please ensure that the television 240-volt cord is plugged in. These are located in the cupboard above the television (pictured below). Use the 240V power cord to connect power to the vehicle.

12-volt set up

240-volt set up

Aerial set up

To use free to air television, ensure the aerial (white or black cord) is plugged in. Please note that television reception may be limited in some rural areas.

There are two remotes provided: one for the television itself and one for the Google Home functions. To operate the television, simply press the power button on the television remote.

To access Google Home features, you will need an active Google account and a Wi-Fi connection. Once connected, you can enjoy apps such as Netflix, Disney Plus, YouTube, and more.

Troubleshooting Tips:

- Ensure the vehicle is plugged into a powered site and confirm the campsite power outlet is switched on.
- Check the TV power point and that no circuit breakers have tripped and its plugged in with the power on.
- If the TV displays "No Signal", this is usually due to local reception. Adjust the aerial or retune the TV to local channels using the remote.
- No TV reception? You can still watch your own content by connecting a phone, tablet, or laptop to the TV via HDMI and selecting the HDMI input.

25. Dining table

To remove or adjust the dining table, click the buttons on the edge, below the table towards you (backwards) (Diagram 1). To ensure the table is in place, push the buttons away from you (forwards) (Diagram 2).

Diagram 1

Diagram 2

26. External table

External Table can be set up outside whilst vehicle is stationary.

To set up table.

2.

1. Find the outdoor table bar located behind the sliding door.

3. Attach table clips to the table bar.

4. Push the buttons away from you to secure the table in place.

5. Ensure that the legs of the table are always on a flat surface.

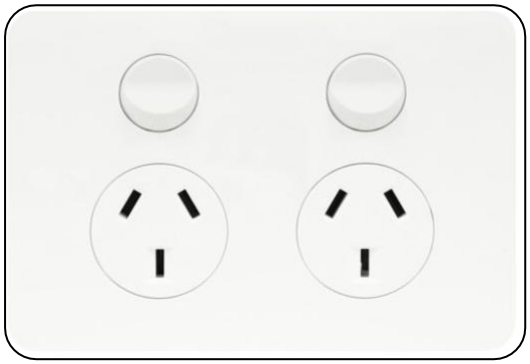
You can extend the table legs by twisting the end of the leg

27. Swivel chairs

The passenger and driver seats are designed to swivel around for your convenience, allowing you to easily transition to the dining table area.
To swivel the chair around, pull the lever on the side of the chair (as seen to the right) towards you and spin the chair around.

28. Power points

The vehicle is equipped with two power points located in the kitchen, two power points located in the cupboard above the tv and two power point located under the dining table. These will only work when the vehicle is plugged into 240-volt mains power.



The vehicle includes multiple charging options:

- Under the dining table **(Diagram 1):** one USB-c port and one USB port
- On each interior lamp **(Diagram 2):** three USB-c ports
- Inside the cupboard above the television **(Diagram 3):** one USB port
    - To use the cupboard USB port, press the button next to it. A red light will appear when it is switched on and ready to use.

All USB and USB-C ports operate when the vehicle is plugged into mains power and the 12-volt control panel is turned on.

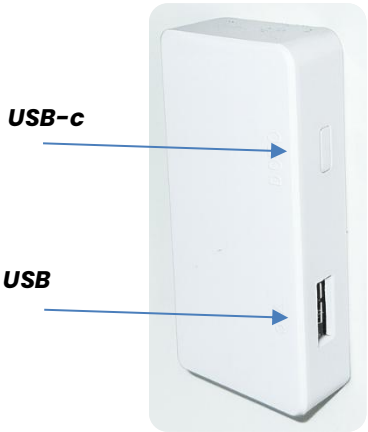


Diagram 1

Diagram 2

Diagram 3

29. Bed

The vehicle is fitted with a comfortable double bed, providing ample space for two adults. The bed is designed for ease of use and relaxation, ensuring a restful night's sleep during your travels. Standard bedding is provided for your convenience.

30. Entrance step

The vehicle is equipped with a convenient entrance step located on the passenger side sliding door, enhancing ease of entry for passengers. The button to extend and retract the step is located behind the kitchen bench. To extend the entrance step, push the up arrow on the button. To retract the entrance step, push the down arrow on the button.

Please Note: When the vehicle is turned on and shifted into drive, the steps will retract automatically.

Step retracted

Step extended

31. Storage

The vehicle has a dedicated storage area under the bed, as well as various drawers/ cupboards throughout the vehicle to store personal items.

32. Internal blinds

To secure the internal thermal blind to the front windscreen, rear windscreen and two side windows of the vehicle, follow these steps using the suction cups:

1. Retrieve the internal thermal blind from the storage compartment located above the front cabin of the vehicle.
2. Unfold the thermal blind and position it against the front windscreen, ensuring that it covers the entire surface area.
3. Attach the suction cups to the designated points on the thermal blind. These points are usually located along the edges of the blind.
4. Press firmly on each suction cup to ensure a secure attachment to the windscreen. Make sure there are no air gaps between the suction cup and the glass surface.
5. Repeat the same process for attaching the thermal blind to the two side & rear windows of the vehicle using the remaining suction cups.
6. Once all suction cups are securely attached, adjust the position of the thermal blind as needed to ensure proper coverage and fit.
7. When not in use, carefully remove the suction cups from the glass surfaces and fold the thermal blind for storage in the designated compartment.

33. Awning

To roll out the awning:

1. Using the awning handle, roll out the awning.

2. Unfold both awning arms by twisting them down.

3. Twist the button anticlockwise and pull down to secure the awning legs.

4. Secure the awning by securing to the foot clips located on the side of the motorhome to hold the awning legs in place.

The awning winder is conveniently located at the rear of the vehicle, securely attached to the bed frame. This ensures easy access when setting up or packing away the awning.

34. Diesel fuel

The vehicle accepts diesel fuel only. DO NOT refill the motorhome with any other fuel or fluid. The diesel tank cap is marked with DIESEL on it and is unlocked using the vehicle diesel key. The fuel filling location is located next to the passenger door. Simply open the lid using your hands, then use the diesel key to unlock. Turn the key anticlockwise to unlock the cap.

Once filled with diesel, place the fuel cap on the inlet and turn the key clockwise to lock it.

IMPORTANT: The vehicle accepts diesel fuel only. If you fill the vehicle with unleaded, water or AdBlue, please do not start the engine and call STAR RV Roadside Assistance immediately.

35. AdBlue

Every 2500 km the vehicle will require AdBlue to be refilled.

If the AdBlue level is low, a warning light or symbol illuminates on the dashboard and a message advises you to top up the AdBlue tank.

Please find the nearest fuel station or auto shop which supplies AdBlue and refill the vehicle with AdBlue as soon as possible. Failure to refill the AdBlue tank will result in the vehicle going into limp mode.

The AdBlue filler cap is below the diesel filler cap.

Please Note: AdBlue is NOT a diesel fuel additive. DO NOT add or mix with diesel under any circumstances.

36. Jack and Spare tyre

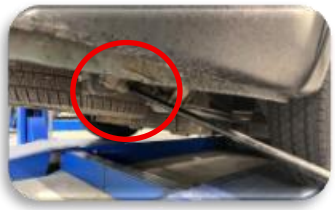
Prepare the Vehicle: Stop the vehicle in a safe, flat, and stable area. Turn off the engine and engage the parking brake. The tools can be found under the front passenger seat.

To access them, pull the compartment cover off from beneath the seat. You will need to pull the lever here down to be able to take the cover off.

There is a lock which secures the toolbox into place under the seat. Turn the lock to release the tools from under the seat.

Next, on the toolbox push the front tab in and lift the upper shell off, as shown in the image below.

The spare tyre is located at the back of the vehicle, underneath. To access it, use the release mechanism (use the rod which is in the tools box) to connect it into the hole (shown below) turn the rod to lower the tyre to access it.



Ensure you follow all safety instructions when handling the spare tyre.

37. Safety & operational features

Seat Adjustment Guide:

1. Longitudinal Adjustment
   - Lift lever (A) (see fig. 1) to move the seat forward or backward.
   - Ensure your arms rest comfortably on the steering wheel when seated.
2. Height Adjustment
   - To raise: While seated, lift lever (B) (front of the seat) or lever (C) (rear of the seat) upwards and slightly lift your body.
   - To lower: While seated, press lever (B) or (C) upwards and shift your weight to lower the seat.
3. Backrest Angle Adjustment
   - Use knob (D) (see fig. 1) to adjust the backrest angle.
4. Lumbar Support Adjustment
   - Turn knob (E) (see fig. 2) to customize lumbar support.

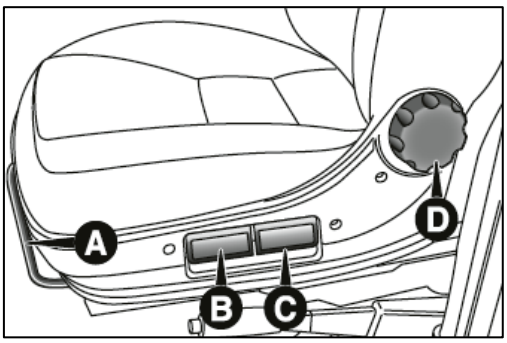


Fig. 1

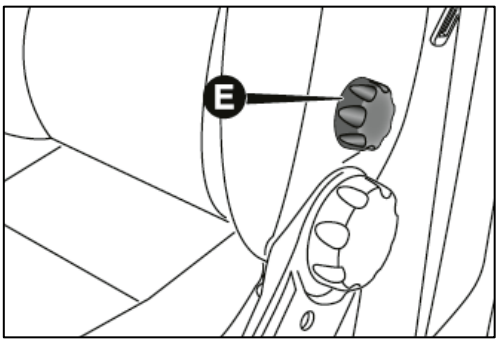


Fig. 2

Exterior Mirror Adjustment Guide

1. Optimizing the View
   - Adjust the outside mirrors to focus on the adjacent lane with slight overlap from the interior mirror's view.
2. Manual Adjustment
   - Adjust each mirror manually by moving the glass to achieve the desired position.
3. Power Mirrors
   - Ensure the ignition key is in the *MAR* position.
   - Use knob (B) (see fig. 3) to select and adjust:
     - 1: Left mirror
     - 2: Right mirror
     - 3: Left wide angle
     - 4: Right wide angle (Wide-angle adjustment is available for specific mirrors).
   - Move knob (B) in the direction of the arrows to adjust the selected mirror.

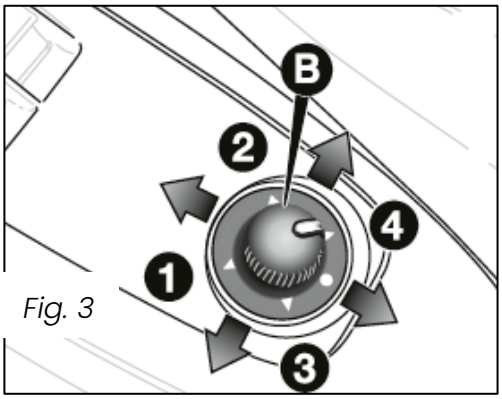


Fig. 3

External Lights

The auto function for headlights automatically adjusts your vehicle's lights based on surrounding light conditions. It activates the headlights at dusk, in tunnels, or during low visibility, ensuring optimal safety and convenience without manual intervention. To turn this on, turn the ring of the left stalk to the AUTO position A (see fig. 4).

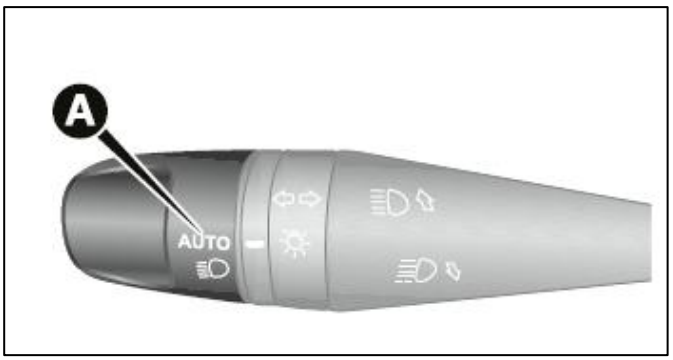


Fig. 4

Window Washing

The right stalk controls the windscreen wiper and washer. It only works when the ignition is in the MAR position.

Windscreen Wiper/Washer Operation

The ring (A) in fig. 5 has the following settings:

- O Wipers are off.
- • Wipes at a slow, steady pace.
- • Adjusts the wiping speed based on the vehicle's speed.
- LO Constant slow wipe.
- HI Constant fast wipe.

Fig. 5

Smart Washing Function

Pull the stalk towards the steering wheel to spray washer fluid and activate the wipers.

Air Conditioning System

A. Temperature Adjust Button
B. Display Screen
C. Fan Speed Adjust Button
D. Power Off Button
E. Air Recirculation Button
F. AC Compressor On/Off Button
G. Airflow Direction Button

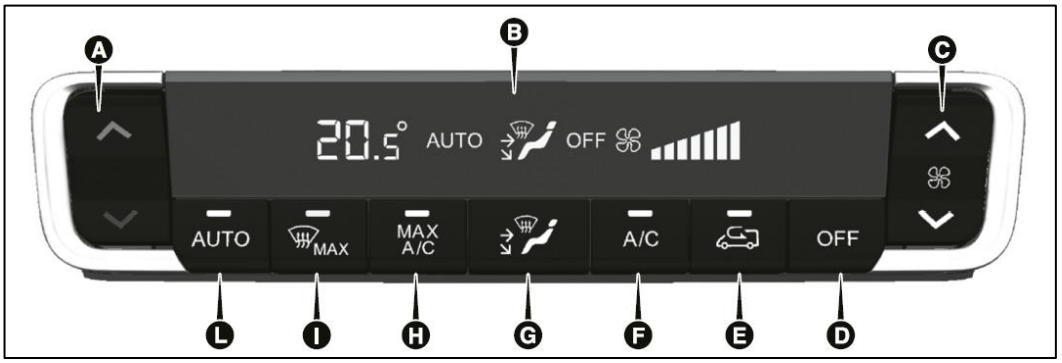


Fig. 6

H. Max Cooling On/Off Button
I. Windscreen Defrost Button
L. Auto Mode On/Off Button

To use the climate control system:

- Press AUTO (L) and set the desired temperature using Button (A) fig. 6
- The system will automatically adjust the air temperature, airflow, distribution and recirculation settings.

Temperature Adjustment

- Press (A) Down: Decreases temperature.
- Press (A) Up: Increases temperature.
- Repeatedly pressing (A) switches between HI (maximum) and LO (minimum) temperatures. To exit these modes, select a specific numerical temperature.

Air Distribution

Press Button (G) fig. 6 to select the air distribution mode:

- **Dashboard Vents:** Directs airflow to central and side vents for chest-level cooling.
- **Footwell Vents:** Warms the cabin quickly by directing air to the front and rear footwells.
- **Windscreen:** Directs airflow to the windscreen for defogging.
- **Max Defrost:** Maximum airflow to the windscreen for quick defrosting.

  You can combine modes by pressing multiple buttons. In AUTO mode, the system adjusts air distribution automatically.

Fan Speed Adjustment

- **Press (C) Down:** Decreases fan speed.
- **Press (C) Up:** Increases fan speed.
- **Max Speed:** All bars lit.
- **Min Speed:** One bar lit.
- To restore automatic fan control, press AUTO.

AUTO Mode

Press AUTO (L) to automatically adjust:

- Air quantity and distribution
- Air recirculation
- It overrides any manual settings.

  If you manually adjust air distribution or fan speed, the system will no longer be fully automatic. To restore automatic control, press AUTO again.

Air Recirculation

- Press (E) fig. 6 to toggle air recirculation.
- Recirculation helps quickly reach the desired heating or cooling.
- Caution: Avoid using recirculation in cold or rainy conditions to prevent window fogging.
- In AUTO mode, the system automatically manages recirculation based on outside conditions.

Display Screen (Fig. 7)

A. Tachometer

B. Speedometer and multifunction display

C. Fuel level gauge

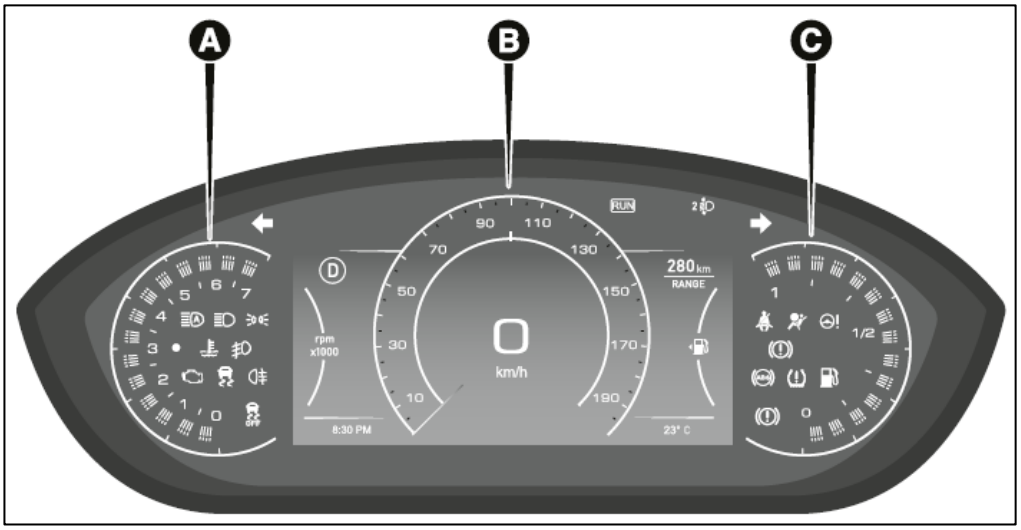


Fig. 7

Control Buttons

Located on the steering wheel (fig. 8), these buttons allow you to navigate the Main Menu on the display:

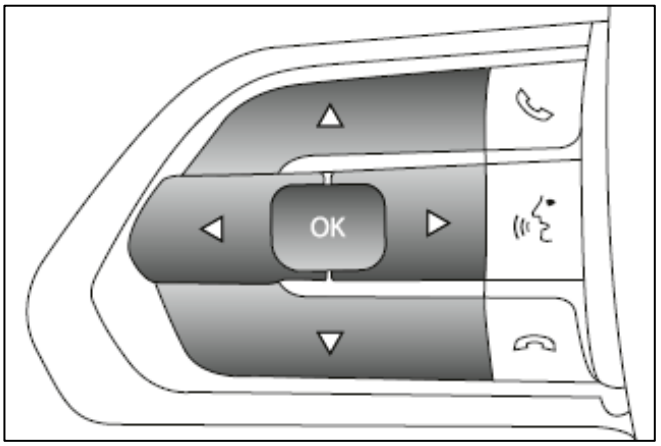


Fig. 8

△ / ▽ - Scroll up or down through the Main Menu and submenus

◁ / ▷ - Access information screens or submenus

OK - Select items or access submenus.

Electronic Cruise Control

The electronic Cruise Control is a driver assistance feature that maintains a set vehicle speed without needing to press the accelerator.
The Cruise Control buttons are located on the right side of the steering wheel.

Activating the Device

To activate, press button (A) (fig. 9). The symbol will appear on the instrument panel to show activation.

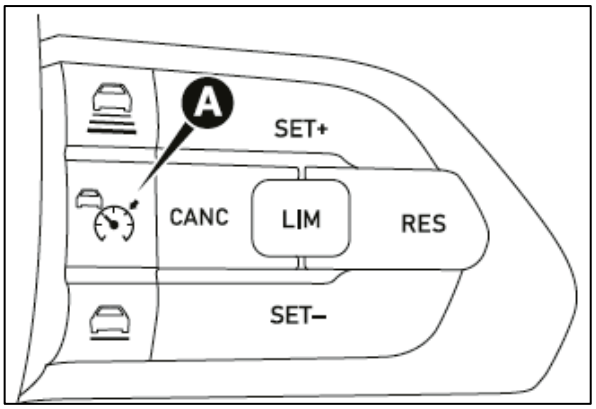


Fig. 9

Setting the Desired Speed

Activate the system.
Once the vehicle reaches the desired speed, press and release the SET + (or SET –) button. The vehicle will automatically maintain the speed once the accelerator is released.
You can temporarily accelerate by pressing the accelerator pedal, and when you release it, the vehicle will return to the stored speed. The vehicle speed may slightly exceed the set speed when traveling downhill.

Warning: Ensure the vehicle is at a constant speed on a flat surface before pressing the SET + (or SET –) buttons.

Increasing / Decreasing Speed

- **Increasing Speed:** Press and hold SET + to gradually increase the speed. Release the button to store the new speed.
- **Decreasing Speed:** Press and hold SET – to decrease the speed. Release the button to store the new speed.

Deactivating the Device

- To deactivate, press the CANC button or press the brake pedal.
- The system will also deactivate if the electric parking brake (EPB) is engaged or if the braking system is triggered

Media

Pairing a Bluetooth® Device

1. Turn on Bluetooth® on your device.
2. Go to the "Device Manager" under the "Phone" tab.
3. Tap "Add Device."
4. A temporary PIN will appear on the screen. Enter this PIN on your device.

USB Source

There are two USB ports:

- One on the dashboard for charging only.
- One lower on the dashboard for both charging and transferring data.
  When a USB device is plugged in, it will start playing automatically if "AutoPlay" is enabled. If it's off, only charging will occur when a smartphone is connected.

Phone Mode

Tap the "Phone" button to activate Phone mode.
You can use the display to:

- Dial numbers.
- View contacts and recent calls.
- View text messages.

Apple CarPlay & Android Auto

The Apple CarPlay and Android Auto applications allow you to use your smartphone in the vehicle safely and intuitively. To enable them, connect a compatible smartphone to the vehicle USB port and the contents of the phone will be automatically shown on the Uconnect™ system display

37. Additional Information

Tyre size	225/75R16C
Tyre pressure	50 PSI
Oil type	5W30
Coolant type	Red Coolant (any brand)

38. Dashboard warning lights

Fiat Ducato – Dashboard Warning Lights Guide
Models this applies to: P2 Gen 2, 3, 4 & 5 – 2024 and above models

	Brake Warning Also known as the brake system warning light, parking brake warning light or brake fluid warning light. The brake warning light illuminates in red indicating that the handbrake is engaged. If the handbrake is fully released but the brake light remains lit, it indicates low brake fluid levels or if you are driving downhill for a long period of time. If the ABS warning light is also illuminated, this signals that the braking system has malfunctioned and your brakes may not work properly. **Can I still drive with my Brake warning light on?** Pull over and stop as soon as it's safe to do so - keep your speed low and avoid braking suddenly. If the light goes out after you stopped the vehicle, the problem has cleared. As brake pads wear, fluid levels fall causing the light to come on. If the problem persists please get in touch with Roadside Assistance.
	ABS Warning Also know as ABS (Anti-lock Braking system) is an add-on safety system to prevent the brakes locking and skidding. ABS helps to prevent the wheels from locking when under hard braking. If ABS fails, normal brakes are unaffected, though they operate without ABS. The most common cause for ABS warning light is a damaged wheel speed sensor. Diagnostics and fault code scanning should determine the malfunction. **Can I still drive with my ABS light on?** If the ABS light comes on by itself you should still have normal, unassisted braking, so it's safe to continue your journey – but keep your distance, take extra care, and get it checked as soon as possible. If it comes on with the red brake warning light it could indicate that the brake system is failing and you should stop straight away and get in touch with roadside assistance.

	Electronic Stability Warning Also known as Electronic Stability Control (ESC). This warning light indicates a problem with traction control. If it's flashing it means the ESP system is intervening – for example, if you're driving on a slippery road. If the light stays constantly lit, it indicates a malfunction. The ESC / ASR system is reliant on wheel speed sensors and as these sensors are prone to damage. The ESP light will light up with the word 'OFF' if the system has been deactivated, in which case you may have inadvertently turned it off. **Can I still drive with my Electronic stability light on?** Yes, be cautious and drive to the conditions. To check, try stopping, shutting down and restarting the engine. If the light remains on after restarting get in touch with roadside assistance.
	EBD Failure Warning The simultaneous illumination of the brake warning light, ABS light and the ESC warning light mean that the EBD system is either unavailable or has malfunctioned. EBD stands for Electronic Brakeforce Distribution and is responsible for distributing brake force to individual wheels, helping to improve the van's braking abilities. **Can I still drive with my EBD light on?** Yes, however with an EBD failure, unstable braking may occur such as locked rear wheels or the van may swerve when braking. Drive cautiously since the vehicle's brakes need to be serviced right away, please get in touch with roadside assistance.
	Airbag Warning Also known as the supplemental restraint system (SRS) warning light or seatbelt warning light. When this light goes red it means that at least one element of the seatbelt or airbag safety system is not working correctly: • Airbag module fault. • Airbag crash sensors damaged often due to a collusion or water damage. • Problems with seat belt / buckle. • Wiring under the seats dislodged. **Can I still drive with my Airbag light on?** Yes for a short distance to get to your destination. Check all seatbelts are buckled and clipped in correctly. It can also come on if a heavy bag is placed on a seat, making the vehicle think that someone is sitting in the seat without a seatbelt on. If this light comes on and you cannot get it to turn off, please get in touch with roadside assistance.

	Engine Coolant Overheating Warning Also known as the coolant temperature warning light. This light will come on when the engine is overheating. This could mean that coolant levels are running low, perhaps due to a leak in the system, or it could be a sign of a larger problem, like a head gasket failure. **Can I still drive with my engine overheating light on?** If this light is red you should stop straight away, as without enough coolant your engine will have irreparable damage. Check that coolant levels are not below the MIN. mark on the reservoir tank. If topping up, allow time for the coolant to cool before removing the cap. Have a look to see if there are any obvious leaks. If you can't see any and the light goes off after topping up then you should be fine to continue your journey. If the light comes back on again after topping up please stop the vehicle and get in touch with roadside assistance.
	Battery Warning Also known as the battery charge light or battery charging system light. If this light comes on when you're driving it indicates that the battery is not charging. This could be due to a problem with your car's electrical system and it could have several causes, such as a faulty alternator, faulty battery, bad electrical connection or damaged cabling. **Can I still drive with my battery charging system light on?** Yes, however your car will run as normal until the battery is dead but once it is drained your vehicle will not start. If this light comes on, get in touch with roadside assistance.
	Oil Pressure Warning Also known as the low engine oil or low oil pressure light. The oil warning light comes on when either the oil temperature gets too high or the oil level or pressure is too low. If the oil is not lubricating the engine effectively it could lead to expensive or irreparable engine damage, so it's important to act quickly. **Can I still drive with my low engine oil light on?** When the red light comes on you should stop as soon as possible and turn off the engine. Have a look for any obvious oil leaks under the car, and then check the oil levels, topping up if necessary. If the oil levels are fine, then the oil pump may be faulty. In this case get in touch with Roadside assistance. Have a look to see if there are any obvious leaks. If you can't see any and the light goes off after topping up then you should be fine to continue your journey. If the Amber coloured light comes on, you can continue to drive. This warning light will usually come on because of cold weather and the oil needing time to warm. You can drive for 30minutes to give time for the oil to warm up. If the colour of the light turns to red follow the instructions above.
 	Power Steering Warning Also known as the EPS or EPAS warning light. The steering wheel and exclamation mark indicate a problem with the power steering. Excessive usage of the steering when the vehicle is stationary, or leaving the steering on full lock while the engine is running can cause the power steering motor to overheat. **Can I drive with my EPS light on?** This is temporary and normal steering operation will resume once cooled. You can continue to drive but if the warning light is red, the power steering system has a failure, you will notice that the car is harder to turn and you should take extra care. If the light remains on, pull over when safe to do so and get in touch with Roadside assistance.
	Engine Management Warning Also known as the check engine or ECU warning light. When the engine management light is illuminated it can indicate a number of faults, from minor issues like a broken electrical sensor to a much larger mechanical issue, like a fault with your emission control system or catalytic converter. **How long can I drive with my check engine light on?** If the check engine light comes on you can continue to your destination, then get in touch with Roadside assistance.
	Glow Plugs Warning The glow plugs light may remain lit for longer periods of time in cold conditions, but only a very short time in warm conditions. If the glow plug light remains constantly lit or flashes, it's likely that the glow plugs and/or relay switch require replacement. **How long can I drive with my glow plug warning light on?** It is safe to drive but the vehicle needs to be diagnosed, please get in touch with Roadside assistance.
	AdBlue Warning The diesel emissions additive (AdBlue) warning light comes on when levels are low. AdBlue consumption depends on driving style. When the AdBlue light comes on, top up with AdBlue fluid asap. The AdBlue cap is next to the fuel filler cap and is blue. DO NOT PUT ADBLUE INTO THE FUEL. Always fill the AdBlue tank with at least 5 litres of AdBlue.

	How long can I drive with the AdBlue warning light on? It's safe to drive but if not topped up soon, the vehicle will go into "limp mode" and may not start, leaving you stranded. You will have approximately 600km's of travel to refill the AdBlue once this light comes on.
 	Immobilizer Warning Also known as the anti-theft warning light. This light should flash once when the ignition is set to MAR. If the warning light illuminates constantly, it indicates a possible failure in the engine immobilizer / anti-theft system. If the light consistently flashes with the engine running, it means the van has a code system failure. It may be as simple as requiring a new battery in the key FOB. **How long can I drive with my immobilizer warning light on?** You can continue driving, however please get in touch with Roadside assistance.
   	Warning Triangle It's a generic warning where no dedicated alternative warning light is used. The general failure triangle warning light may come on due to the following: • The fuel inertia cut-off switch is activated. • Lights failure, including rear fog lamps, indicators, brake lights, number plate lights, side lights, daytime running lights, main beam. • Airbag warning light failure. • Rain sensor failure. • Diesel filter sensor failure. • Engine oil pressure sensor failure. • Parking sensor failure. Certain versions of the Ducato may display the parking sensor warning light. • Water in diesel fuel filter. Certain versions of the Ducato may display the water in fuel filter warning light. • Engine oil level sensor failure. • Insufficient engine oil level. • Low engine oil pressure warning light failure. **Can I still drive with my triangle warning light on?** Yes but pay attention and note down anything that doesn't feel or sound right. When you reach your destination, please get in touch with Roadside assistance and report any findings.
 	Diesel Particulate Filter Warning Also known as the DPF or exhaust particulate filter warning light. This light may appear occasionally to alert the driver that the DPF system is running a cleaning cycle. The light will go out once it has finished. If blocked and requires elimination of trapped pollution particulates, the light comes on and stays on, meaning the system requires driver input. On certain versions of the Fiat Ducato, an alternative DPF warning light may be used. Short trips with lots of stops and starts can cause this light to come on. **Can I still drive with my DPF light on?** Yes, drive at a speed of 60 km/h with the engine revs above 2000 rpm for about 15 minutes. Ideally, driving for long durations on a highway is the best way for the vehicle to run the regeneration. When regeneration is complete, the warning light goes off. If the DPF warning light stays on, try the process again. Failing that, please get in touch with Roadside assistance.
	Brake Pad Warning Also known as Brake pad wear warning light. If this symbol shows up it means a sensor has detected your brake pad wear is at 20%. **Can I drive with my brake pad light on?** Yes, this warning light is designed to come on before the brake pads become dangerously thin, usually with 20% of the pad remaining. If you still have more than 5000km's left on your trip, get in touch with Roadside assistance.
	Tyre Pressure Warning Tyre pressure monitoring systems let you know when the pressure falls. This could happen over time or it could be because of a puncture. **Can I still drive with my tire pressure light on?** Yes, but you should drive with extra care and aim to check the tyres at the next opportunity. Low tyre pressure can cause unsafe driving conditions so reduce your speed, and try to avoid braking suddenly or making any violent steering actions. Inflate the tires according to the vehicle manufacturer specification in tyre chart sticker inside either the drivers or passenger front doors. If you have a flat tyre, please get in touch with Roadside assistance.
	Maintenance Warning This spanner warning light comes on when the van is due or close to scheduled service and maintenance. **Can I still drive with the service due light on?**

	Yes, this is just an indication that the service is approaching. This service will be carried out when you return the vehicle.
	Lane Control System Failure This Fiat may be equipped with lane assist technology. This system will automatically move the steering wheel if it senses the vehicle is moving off the road. Can I still drive with my lane control system light on? Yes. This system can be manually turned off, so check this. There will be a button on the dash to turn it on and off. If this does not work, there may be a fault in the system. You can continue on your journey and please get in touch with Roadside assistance when convenient.
	Collision Avoidance System Warning This Fiat may be equipped with collision avoidance technology. This system will automatically apply the brakes if it senses a collision is about to occur. Can I still drive with the collision avoidance system light on? An amber light may appear if the system activates or intervenes. If the light appears with an exclamation next to it and it is red, it indicates a fault in the system. This most commonly occurs if the radar system in the windscreen or on the front of the vehicle has been obscured or has been damaged. If no damage has occurred, check the front of the vehicle for any obstructions such as mud, snow or excessive build up of bugs. Clean where possible and restart the engine. You can continue driving to your destination, however the automatic collision avoidance system will not function, and this needs to be reported to Roadside Assistance.