

# VW Grand California 600

## User Manual



# Table of Contents

<b><i>Mechanical</i></b> .....	<b>4</b>
Hand Brake.....	4
Swivel Seats .....	4
<b><i>Touchpad Control Panel</i></b> .....	<b>5</b>
Vehicle Entrance Step.....	5
Lighting .....	6
<b><i>Heating system - Gas – Stove Top</i></b> .....	<b>7</b>
Touch Panel.....	7
Gas valves .....	9
Gas bottles .....	9
Truma Controller .....	10
Left Window.....	10
Stove Top .....	11
<b><i>Battery and power</i></b> .....	<b>12</b>
Fast charging .....	12
220V (Mains & Inverter) .....	13
<b><i>Water</i></b> .....	<b>15</b>
Water tank refill (110L) .....	15
Waste (grey) water (90L) .....	16

Waste water drainage tap .....	16
Frost protection valve .....	17
<i>Interior</i> .....	<i>18</i>
Fridge .....	18
Fridge night mode .....	18
Fridge Error codes .....	19
Windows .....	20
Rear Bed.....	20
Loft Bed.....	20
Wet Room .....	21
Toilet.....	22
Toilet waste tank.....	23
<i>Exterior</i> .....	<i>24</i>
Awning.....	24
Furniture .....	25
Heated outdoor shower .....	25

# Mechanical

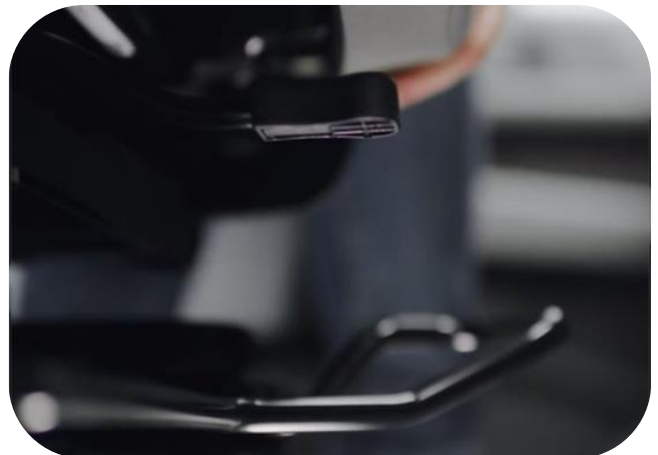
## Hand Brake

To release the handbrake, you must lift and then release it down again. The dashboard will indicate when the handbrake is on or off.



## Swivel Seats

Ensure the vehicle is in park. Open the front door, raise the arm rest, and make sure the back rest is in the upright position. Underneath the seat, pull the lever and move the seat forward towards the steering wheel at the midway point. Remove yourself from the seat and pull the smaller lever underneath the seat to rotate the seat to face the center of the vehicle. Ensure the seat locks into place after rotating.



# Touchpad Control Panel

The touchpad control panel puts you in command of an array of features including camping mode, lighting, temperature, heating and more at the touch of a button.

## Vehicle Entrance Step

Use the touchpad control panel to change the mode of the entrance step. In automatic mode, the step will appear when the sliding door is opened. When the sliding door is closed, the step will deactivate and retract. When driving the step must be fully enclosed.

Once the vehicle is stationary, select camping mode on the touchpad control panel. The entry step will activate and remain in position, allowing you to freely enter and exit the vehicle. The step will retract once camping mode is deactivated or if the vehicle ignition is turned on.



## Lighting

Select light on the touchpad control panel to change the light settings throughout the vehicle. There are multiple buttons located throughout the vehicle to turn on nearby lights, some can be dimmed if you press and hold down the button.



There is a master switch located above the fridge that will turn all the internal lights off when required.



# Heating system - Gas – Stove Top

The heating system can be operated via electricity (while plugged into mains), gas, or a combination of methods. To enable heating, ensure the gas valve (located under the kitchen sink) is open. To open the gas valve, turn the knob to a vertical position. The valve must be closed when the vehicle is in motion.

## Touch Panel

Select the temperature icon on the touchpad control panel to change the heating and water (always select the highest temperature for water).



1. Interior heating
2. Water heating
3. Choose between gas, electricity or both



Interior heating



Water heating



Choose between gas, electricity or both



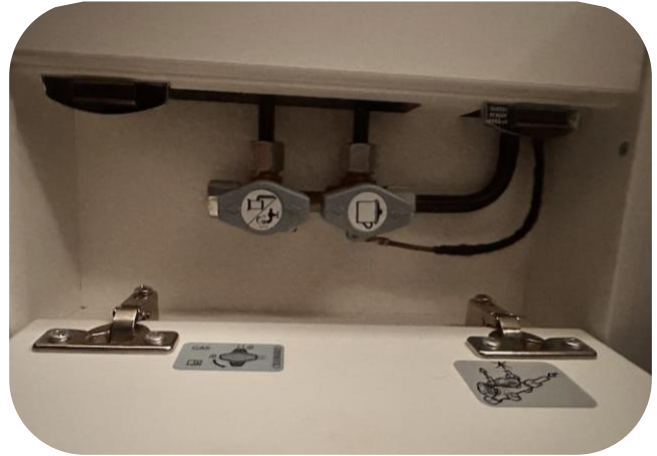
## Gas valves

Left valve: Heating for boiler & water

Right valve: Stove



ON



OFF

## Gas bottles

The gas bottles are located and stored at the rear end of the vehicle on the right-hand side. When the vehicle is parked, ensure the gas bottles are connected and switched on.

- Ensure the yellow reset button is pressed. (It may be unpriessed when changing the gas bottles or when the crash detector is activated).
- Ensure the colored labels are green and not red. This indicates there is gas pressure.



## Truma Controller

If the boiler doesn't make some noise to indicate that it started working, there may be an error code displayed on the Truma controller located under the back seats.

E517: Ensure the gas valves are open and click the knob. (This can happen when the user starts the heater, but there is no gas provided.)



## Left Window

When using the boiler or the stove, ensure the left window (next to back seats) is fully closed. This window has a microswitch and will disengage the gas when opened (due to safety), since the boiler's exhaust is located under that window.

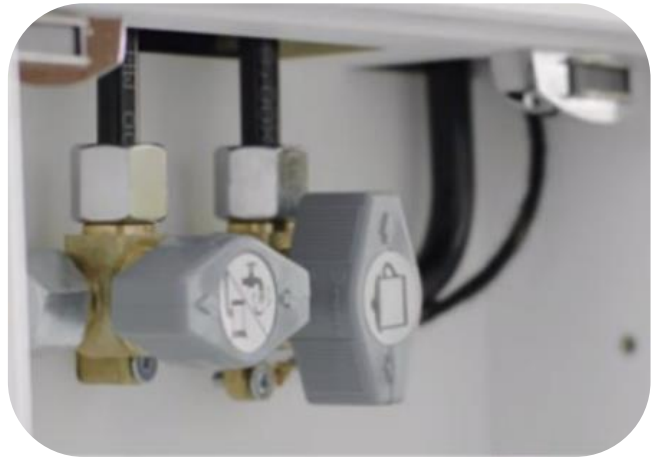


## Boiler's exhaust



## Stove Top

Ensure the gas valve is open, turned to the vertical position (located underneath the kitchen sink). Ensure the gas valve is closed whilst the vehicle is in motion.



Press and hold the ignition and turn the valve to ignite the flame.



*“When there is flame, ensure both lids are open. Otherwise, the sink’s lid may break due to high temperature. Close the lids only when the stove is cold again.”*



# Battery and power

On the touchpad control panel overview, the battery icon indicates the charged level of your house battery. Select the battery icon for a more in-depth overview of battery levels.

The solar panels are automatically turned on and are constantly active. If you require more battery, you will find a cord located in the rear to plug into the exterior left-hand side of the vehicle and to connect to mains power.



## Fast charging

The vehicle has two batteries, one for the car and one for the house. The control panel will indicate if the house (leisure / board) battery is beginning to run low. There is a “boost” button located on the front dash to charge faster the house battery while driving.



## 220V (Mains & Inverter)

Power sockets (220V) within the vehicle will only work whilst plugged into mains, apart from the socket located under the back seats which is connected to the Inverter. However, the USB ports, lights, shower, stove, and fridge will always work whilst running on solar and the house battery.

The black switch turns ON or OFF the Inverter.

It should be ON only when a device needs power from the socket.

Long-term overpower operation may cause the Inverter to burn out.



The power of the Inverter is 500W.

The input is the 12V of the house (leisure) battery and the output is the 220V socket which is located under the back seats.



While you are at a camp site or location with a main power source, it's preferable to use this for charging the house battery.



The external connection is located on the rear left-hand side of the vehicle.



The electric cable is stored in the back cabinet under the bed.

*"When it is plugged, straighten the cable to avoid overheating."*



# Water

On the touchpad control panel, the water icon has a green bar chart showing how much fresh water there is on the left-hand side of the icon. The orange bar chart on the right-hand side of the icon indicates how much wastewater there is. When the wastewater is full, a warning will appear to empty it. Select the water icon for a more in-depth overview of current water levels.



## Water tank refill (110L)

To refill the water tank with fresh water, open the flap located on the exterior on the driver's side near the rear side of the vehicle. While the flap is open, it is important the sliding door remains closed to avoid damage to the flap.

Use the water tank key to unlock and gain access to the water pipe. Use a hose or tap and fill the water tank at a medium speed. Once filled, close and lock the water tank.



## Waste (grey) water (90L)

The touchpad control panel will indicate when the wastewater tank is full (yellow bar). The tank should be emptied as soon as possible.



## Waste water drainage tap

The drainage tap with the wastewater shut off valve is located on the left-hand side, underneath the vehicle.

Position the vehicle so that the wastewater drainage tap is above the disposal facility. This may require a co-pilot passenger to guide you into position. Once the vehicle is stationary, turn the drainage lever to the horizontal position. After draining the tank, turn the lever to the vertical position to close the valve.

*“Monitor your waste water level, it’s not good practice to leave waste water in the tank for too long because it creates odors. Remove it from the vehicle when possible.”*



OPEN



CLOSED

## Frost protection valve

If the frost protection valve trips, it will empty the fresh water tank.

This is position of the valve when the vehicle is in use. If the valve rotates automatically due to frost protection or manually for extended period of non-use, then when turned to the displayed position, the blue reset button should also be pressed.



When the vehicle is not in extended period of non-use, these valves which are located under the floor of the electrical cabinet, should be in the OFF position (rotated right).



# Interior

## Fridge

To open, lift-up the handle and pull the fridge out to deactivate the locking method. You will find a freezer section located at the top of the fridge. There is a row of buttons at the top of the fridge to turn it on and off, there is also the option to activate night mode which makes the fridge silent. It is automatically disabled in the morning.



## Fridge night mode

Ensure the night mode is enabled at nights in order to save battery. When it is ON, the “moon” LED is blue.



## Fridge Error codes

If the refrigerator has a fault, this will be indicated by error codes in addition to the absence of the cooling function. These are indicated by means of blink codes through the LEDs on the temperature setting.

An error always starts with 5 times fast flashing of the LEDs. Subsequently, the error code is displayed by long flashing. The refrigerator has 7 error codes:

### Error 1 – LEDs flash 1x

Battery error, the power supply to the refrigerator is insufficient. This will be by far the most common mistake.

### Error 2 – LEDs flash 2x

Fan error

### Error 3 – LEDs flash 3x

Compressor error

### Error 4 – LEDs flash 4x

Compressor speed error

### Error 5 – LEDs flash 5x

ECU overheats (control unit), this can happen at extremely high outside temperatures.

### Error 6 – LEDs flash 6x

NTC error (temperature sensor error)

### Error 7 – LEDs flash 7x

Communication error control unit

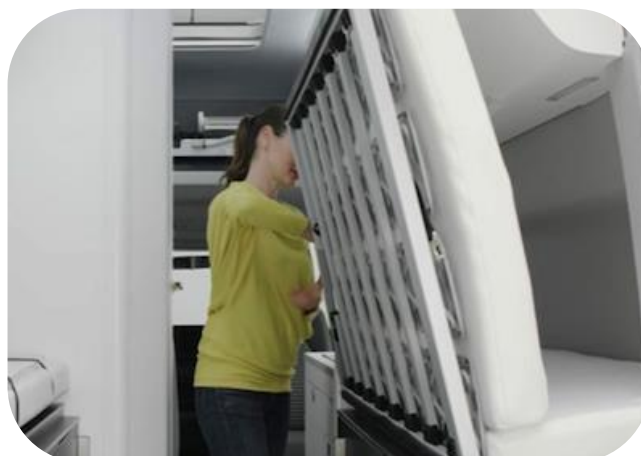
## Windows

All rear windows have two blinds, fly mesh and black out.  
The windscreen has shades to be used at night.



## Rear Bed

For safety purposes, the bed must always be folded down whilst driving. To access the storage units underneath, fold the bed up and secure it with the safety fasteners at each end.



## Loft Bed

Please note, the bed is designed for children under the height of 175cm. The maximum weight capacity is 150kg.

Press the button located at the end of the bed and pull it out towards you. Once complete, fold out the headboard on the left. Fully extend the ladder and attach it to the handle of the bed. The safety net should always be fitted when children are sleeping in bed.



## Wet Room

To use the internal shower, close the door to the wet room, close the lower vent and ensure the drains on the floor have been plugged.



Pull the handheld shower out of the sink holder.



You will find an overhead holder to place the shower into. Pull the tap to start the shower.

Once finished, return the showerhead to it's holder in the sink. Open the skylight to allow excess humidity to escape and wipe up excess water. Before leaving the wet room, ensure you open the lower vent.

For safety purposes, do not use electronic devices in the wet room while showering.

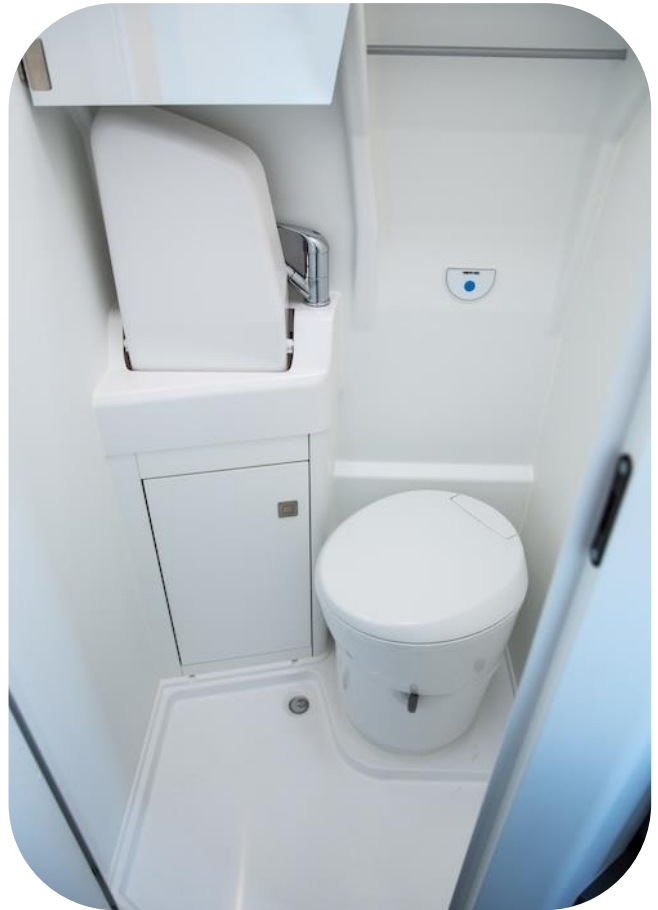


## Toilet

The toilet seat can be twisted around to best suit the user's leg room.

The toilet requires a two-step process to successfully flush waste away.

1. The grey lever located at the bottom of the toilet is to open and close the flowing valve to the toilet's waste tank. Ensure the valve is closed after using the toilet.
2. The blue button located above the toilet flushes water within the toilet bowl.



The toilet's waste tank has a capacity indicator located behind the toilet seat. The indicator turns from green to red when the waste tank needs to be emptied and this should be actioned as soon as possible.



## Toilet waste tank

The waste tank is located on the left-hand side of the vehicle, near the rear wheel as circled. The door to the toilet's waste tank will only open while the vehicle is unlocked, simply push on the tank's door. Once opened, unscrew the pipe leading to the toilet cassette, pull out the toilet's waste tank which has a handle and wheels to easily transport to your nearest waste disposal facility. When ready to dispose, rotate the large pipe. You will find a manual pressure release button (blue) at the top of the tank. Once emptied, clean the tank by running some water through it and emptying it again.

Ensure the grey lever located at the bottom of the toilet is closed before attempting to remove the cassette.



# Exterior

## Awning

To open and close the awning, the crank handle is stowed in the upper area of the rear door opening.



Insert the crank into the bayonet connection at the end of the awning casing and turn it 90 degrees. Once set, turn the crank to wind the awning out until the fabric is under tension. You will need another person to support the awning by holding it up towards the sky, so it is not left hanging. Whilst the awning is being held, unfold one awning leg from the front of the awning by gently pushing the end of the support and guiding it down towards the ground. Do the same on the other side of the awning. Once you have your desired position, secure it using the locking mechanisms by lifting and latching in place. Insert a tent peg through the bottom of each awning support leg and secure them into the ground.



The awning should not be used during heavy rain, wind or thunderstorms as these conditions will damage the awning.

## Furniture

To make the most of the awning, there are two camping chairs and a table located in the rear doors of the vehicle.



## Heated outdoor shower

The shower panel and connection are located at the rear end of the vehicle. The shower head is stowed away inside a small storage cupboard. Place the shower hose on the nozzle and switch it on. When not in use, the exterior shower must be switched off. Gas must be activated to access the heating.

