

Volkswagen Touring Vehicle California Coach

Controls and Equipment Tips and Maintenance Technical Data



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Only valid in conjunction with the Owner's Manual for Multivan, Caravelle, Transporter as of Edition 7.98

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Welcome to the club of travelling individualists

California Coach you have chosen a vehicle of active and passive safety. Active - from the running gear to the ergonomics of the vehicle interior. Passive - from the front end structure via the passenger compartment, steering, the steering wheel and the seats to the seat belt systems for the driver and the passengers.

This vehicle will always offer you a pleasant mixture of a cozy, comfortable home and above-average handling characteristics. Furthermore, you have secured yourself the maximum degree of personal freedom for future journeys and are freed of the necessity to make rigid long-ter plans.

With your new Volkswagen Touring Vehicle You should read this manual before departing on your first trip so that you can enjoy which offers an extraordinarily high degree your touring vehicle right from the very first day. Alongside a number of operating instructions and tips on care you will find many practical hints on driving and living in the vehicle.

> We have also included a series of useful tips which we gained from our own experience of "rolling holiday homes". This is because we attach great importance to you being satisfied with your California Coach.

> We wish you - even whilst reading this manual - great pleasure in anticipation of the journeys to come, full of adventure and relaxation, and free of troubles.

Volkswagen AG Service Department

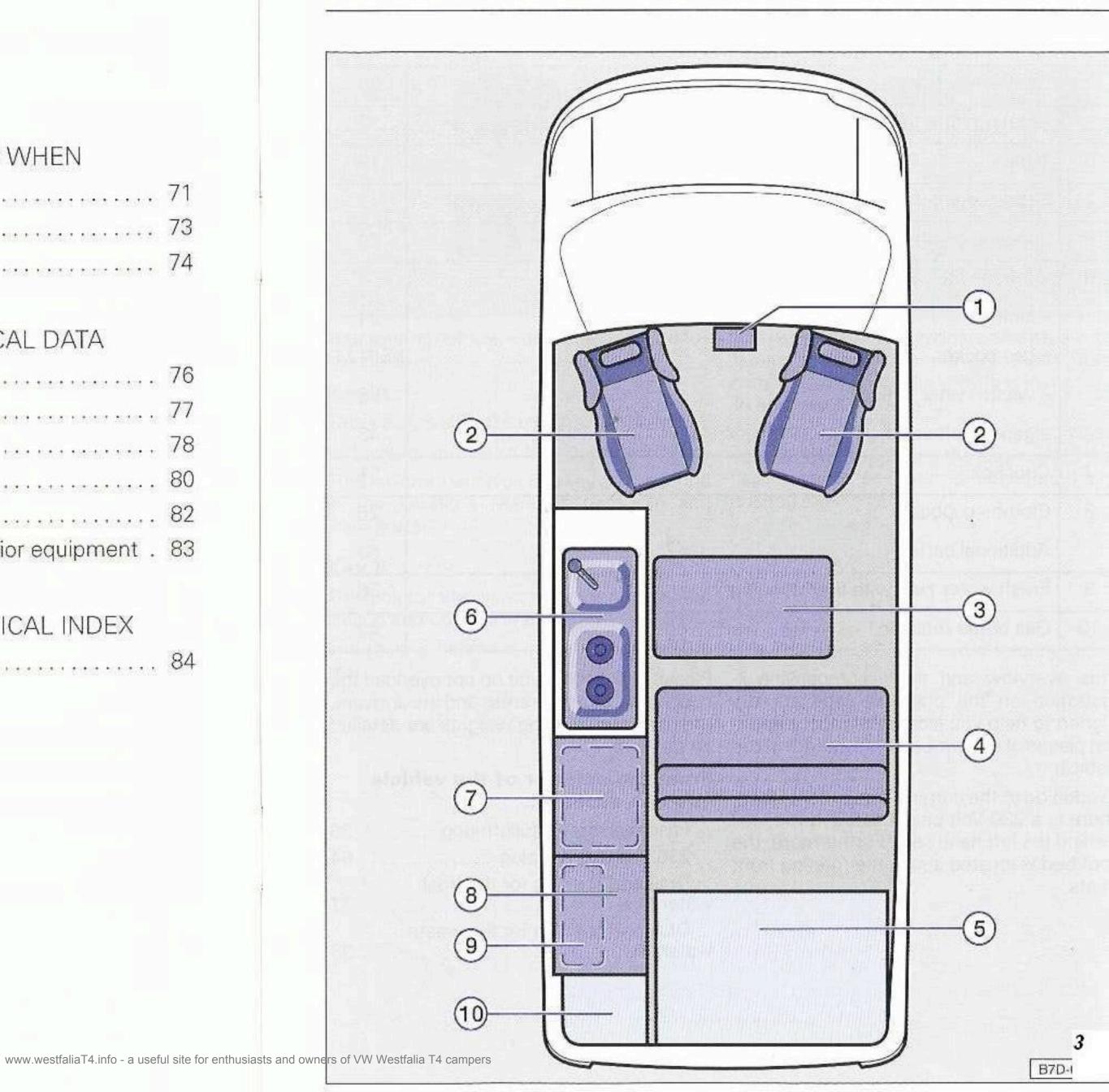
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Overview of interior equipment



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ant pieces of equipment in the interior of the on page 25. vehicle.

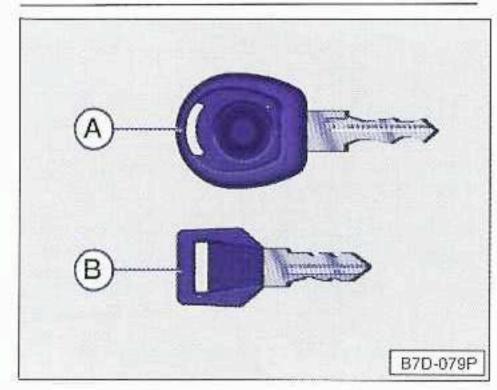
In addition to the items of equipment listed, there is a 230 Volt plug located in the wall behind the left hand seat. Furthermore, the roof bed is located above the rotating front seats.

This overview and the accompanying il- Please ensure that you do not overload the lustration on the previous page are de- cupboards, stowage areas and the drawers. signed to help you locate the most import- the maximum loading weights are detailed

From the exterior of the vehicle you can access ...

Frischwasser-Einfüllöffnung	36
230 Volt exterior plug	64
Drainage opening for the fresh water tank	37
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Keys



Your touring vehicle is delivered with the following keys:

Key A

This key fits all locks except: *

- Lock for the water filler opening

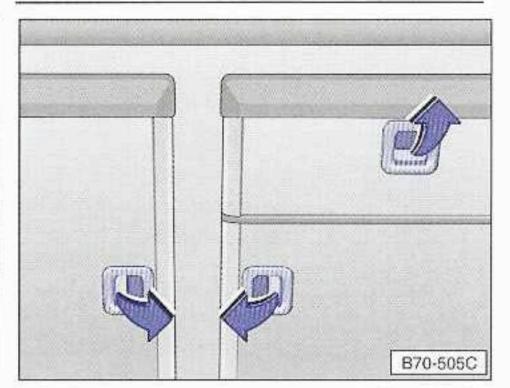
Further information on this key can be found in the Owner's Manual "Caravelle and Transporter".

Key B

The lock for the water filler opening can be locked and opened with this key.

The lock is behind a cover outside at the rear.

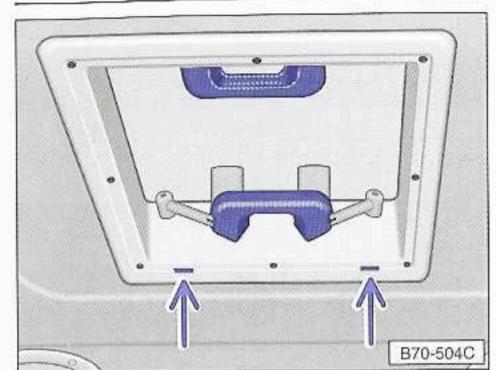
Furniture catches



The flaps, drawers and doors are fitted with furniture catches to prevent them from coming open when the vehicle is in motion. To open, pull finger latch.

Opening the furniture catches is made easier if when operating the finger latch, the flap, drawer or door is simultaneously pushed in.

Skylight*



Skylight in compact and high roof

Before opening the skylight, please pull down mosquito net.

To open the skylight, press the two handles up evenly. When opened, the skylight can be lowered on either side.

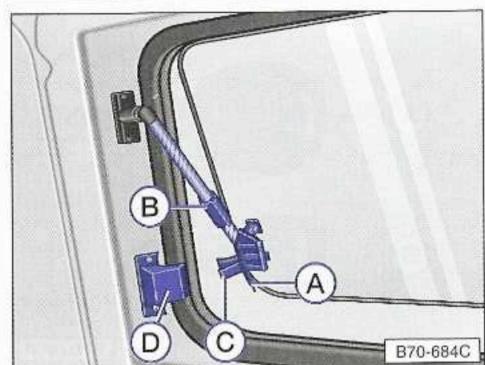
The fly net can be pulled down and removed for cleaning. To do this, disengage at the grip, pull down and off.

Insert the two lugs of the mosquito net in the recesses of the frame, swing net up and clamp securely.

Notes

- Always open the skylight when cooking to allow fumes to escape.
- In order to avoid draughts and prevent damage to the skylight, always keep the skylight closed when on the move.

Vent wing*



Warning For safety reasons, all pop-up windows must be closed and latched when the vehicle is moving.

Opening

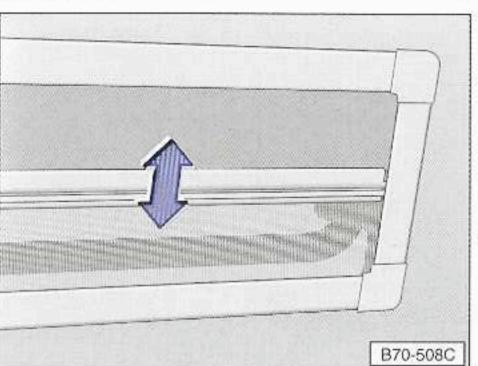
To open, release lever A on all latches, move window into required position and latch in position and turn the sleeve B on the support.

Closing

To close, rotate sleeve B on the support and close window.

Before closing the window ensure that all hooks C of the latches are positioned behind the retaining edges D.

Blinds*



All hinged windows in the high roof are All windows in the interior can be darkened equipped with a darkening and anti-insect blind.

Anti-insect blind

 The anti-insect blind is pulled upwards against spring pressure and clipped into position.

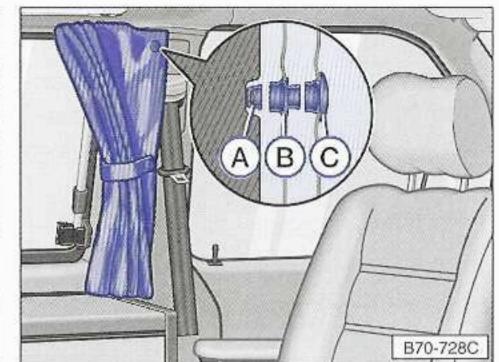
Darkening blind

 The same applies to the darkening blind but the anti-insect blind must be pulled up first.

Note

Both blinds can be let down after the handles are released by lifting up and pulling them slightly away from the window.

Curtains*



using curtains.

The cab curtains are supplied loose in the vehicle. They are secured on from inside with press studs and clamped against the windscreen by folding down both sun visors.

Before securing the curtains, please remove the covers of the press studs and leave the covers in the vehicle.

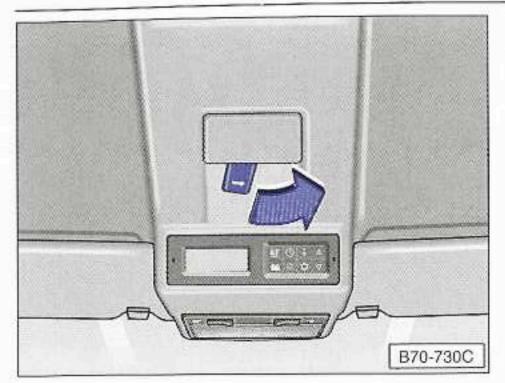
For reasons of safety, all open press studs which have not been used to secure the curtains must be closed off using the covers.

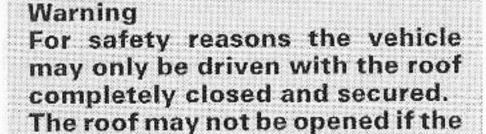
Securing curtains

The press stud base **A** is firmly attached to the inner trim. The closed stud C is pressed on to this base.

If the studs of two curtains are to be attached to one base A, first attach the curtain with an open curtain stud B. Then attach the curtain with a closed stud C onto the open curtain stud B.

Pop-up roof*



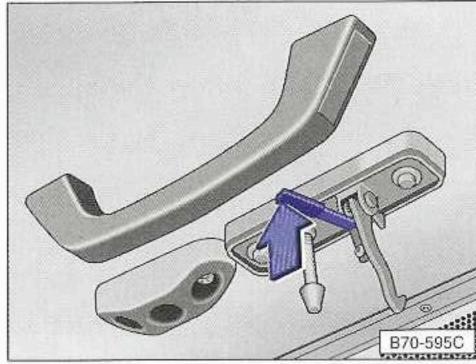


vehicle is in motion

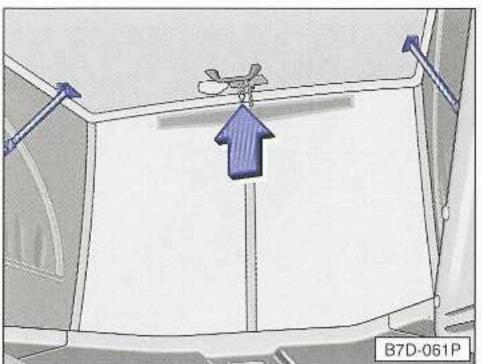
Lifting the roof and engaging the front bed panel (see page 23) gives more headroom inside. After lowering the bed panel the bed in the roof compartment is then accessible.

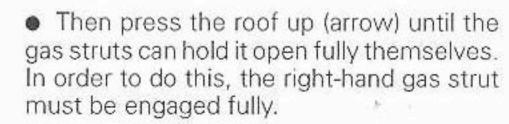
Raising roof

 Move the release lever in the roof above the windscreen to the direction of the arrow.



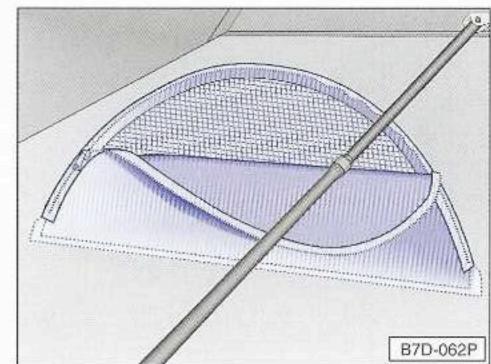
- Lift roof slightly until the securing hook is visible.
- Then press lever on securing hook upwards. Then lift the roof as far as possible.





Notes

- As the vacuum created when lifting the roof makes it hard to open it is advisable to open a vehicle window or door.
- The roof load must not exceed 15 kg when the roof is open.



Window in canvas

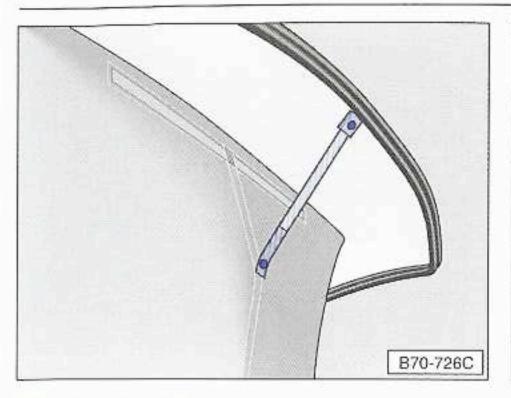
Both windows located in the front section of the canvas can be reached after lifting the roof and are screened with gauze for protection against insects.

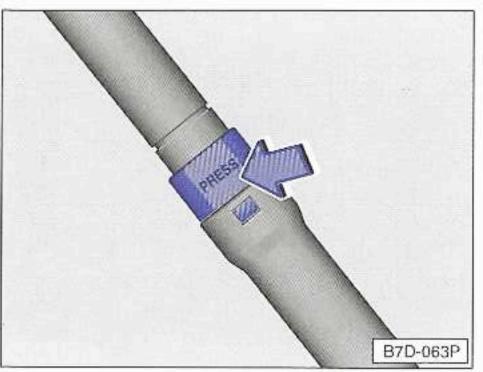
Opening window

Open zip and fold the canvas down. In this position the vehicle can be ventilated without letting insects get into the vehicle. The anti-insect gauze is firmly sewed to the canvas and cannot be opened.

Note

When closing the roof, the windows must be closed to avoid damaging the canvas.





Closing roof

Before closing the roof the bed panel must always be folded down otherwise the roof cannot be closed or could be damaged.

When closing the roof, the window and insect gauze screen must be closed to avoid damaging the canvas.

Please check regularly that the retaining belt is secured as shown in the illustration. It ensures that the canvas is not trapped in the lock when the roof is closed.

If the retaining belt has become loose, it can be secured as follows:

On the roof

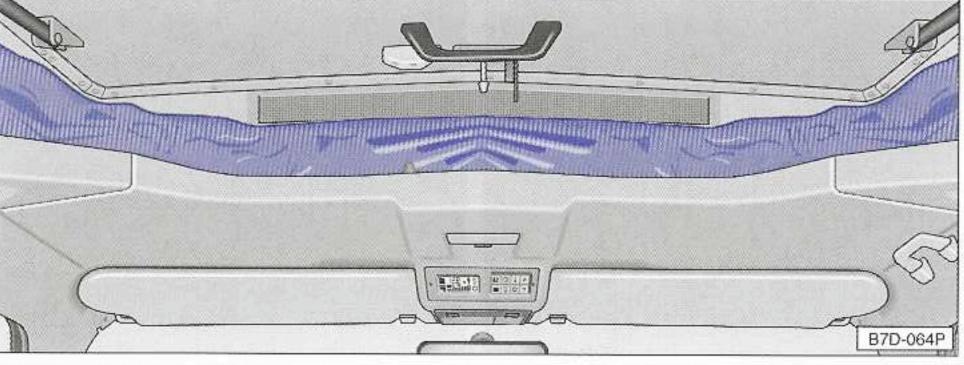
Guide the belt through the loop and then secure with the press buttons.

On the canvas

Secure the belt to the canvas itself by means of the press button.

There is a red button in the middle of the right hand gas strut with "PRESS" written on it. Press the button.

To lower the roof, take hold of the grip and pull it down slowly.



Fold the canvas together and press evenly into the corners until it is taut.

To prevent damage when closing the roof, the canvas must not get jammed in the catch at front or at the sides between vehicle roof or linkage.

As the pressure created when closing the roof blows the canvas up and it can get jammed, a vehicle window or door should be opened.

Grasp the handle with both hands and pull roof down with a strong jerk until the lock is heard to engage.

Warning For safety reasons the vehicle may only be driven with the roof completely closed and secured.

In order to prevent the formation of damp stains in the roof canvas the roof should only be closed when dry. If at some time closing the roof when wet cannot be avoided, it should be opened again as soon as possible and allowed to dry.

When the roof is not used for a long time it should be opened from time to time to air it.

Seat belts

Why have seat belts?

It has been proven that seat belts give good protection in accidents. In most countries, therefore, the wearing of seat belts is required by law.

Warning

 The belts should be put on before every journey - even in town traffic. This also applies to the rear seats.

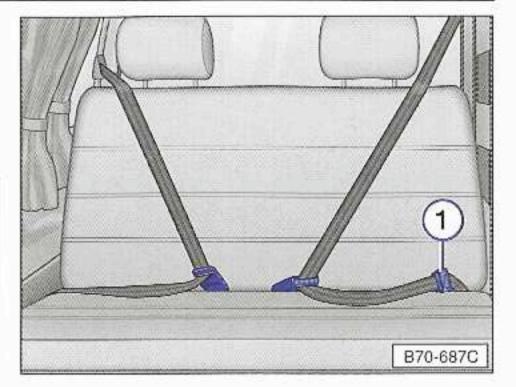
Pregnant women too should always wear a seat belt. This is the only way to guarantee protection for the unborn child!

 The routing of the belt is of major importance to the protective effect of the belt. How the belt should be worn is described in the Owner's Manual next pages.

Release automatic seat belt

The three point automatic seat belt on the left seat of the seat bench/sleeping surface:

Besides the normal lock there is an additional lock 1 on the belt. After the belt has been removed, it can be completely released by pressing the button in the lock 1 to enable the bench to be moved forward more easily (see illustration).



Warning

when using this safety belt, always ensure that both tongues engage securely in the belt locks - Pull to test!

When the belt is reconnected, ensure that the tongue has engaged securely in the lock 1 by pulling sharply on the belt.

To prevent the button from being inadvertently pressed while the vehicle is in motion, the lock is provided with a sliding cover, which should always be in place.

Seat belts should always be placed on the seat cushion whenever the seat/reclining seat is in sitting position so that they are ready for use see chapters "Seat belts" and "Safety for children" in Booklet 2.1.

Seat bench/sleeping surface

Warning notes

Warning

When the vehicle is in motion, nobody should be seated on the bench, unless it is in the driving position and the backrest is properly engaged so that all passengers can be properly belted in. Passengers sitting on the sleeping surface or in the luggage area can be hurled forwards in case of an accident or sudden braking danger of injury!

The sleeping surface or luggage area should therefore not be used to transport people!

When the vehicle is in motion the seat must always be installed in the runners and engaged in one of the three positions so that it does not become a safety hazard when braking hard or in the case of an accident.

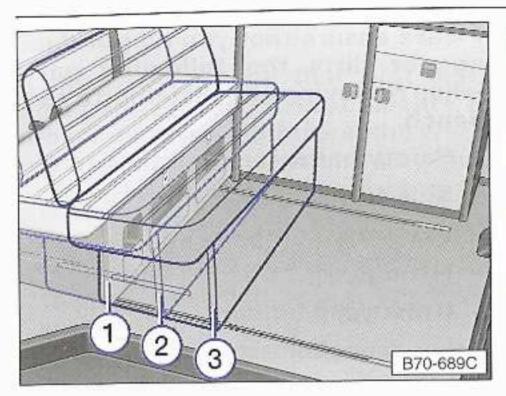
The seat belt function also depends upon the secure mounting of the seat!

Please ensure that you do not damage or dirty the following parts when removing and installing a seat bench:

- Safety belts,
- Side trims.
- Ash tray,
- Fittings,
- Drinks/can holder*,
- Loudspeaker grille*,
- Luggage compartment cover*.

For this reason, you should never remove or install a seat bank on your own.

enthusiasts and owners of VW Westfalia T4 campers



Bench positions

The seat bench/sleeping surface can be set to three positions:

Position 1 -

Driving position Sleeping position.

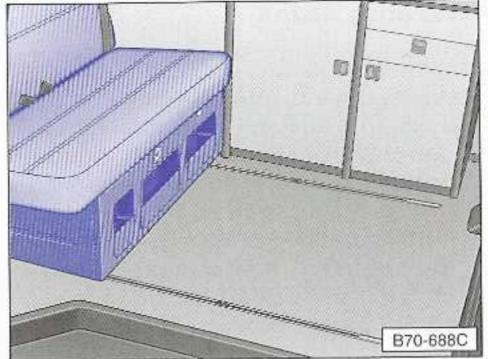
Position 3 -

Position 2 -

Eating position.

To ensure that the seat/reclining seat can be easily moved in its runners, the T-shaped feet should occasionally be treated with a non-oily lubricant (e.g. silicon spray).

The gas cut-off valve and the drainage valve for the water tank in the kitchen cupboard can only be reached when the seat bench is in the driving position.

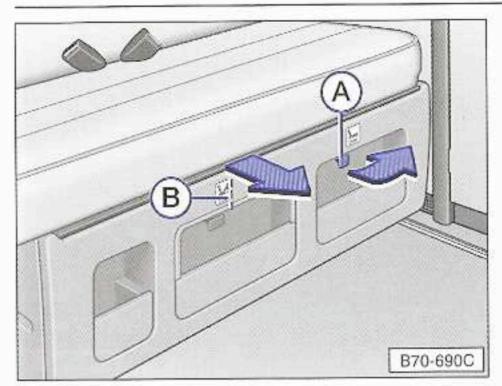


Driving position

Please refer to the warning notes on page 15.

The seat bench is in the driving position when the bench is engaged fully in the mountings in the floor and pushed fully to the rear. The backrest must also be latched vertically.

Please ensure that the seat belts can always be used properly after the seat bench position has been adjusted.



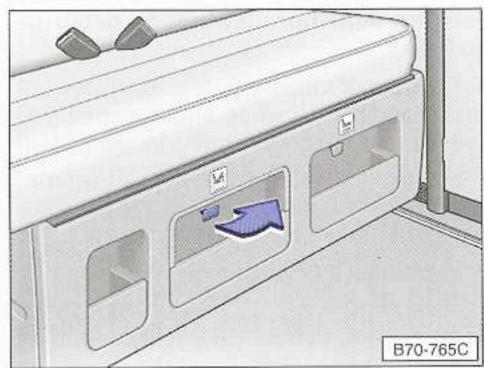
Moving the bench

When adjusting seat bench press lever A on seat in direction of arrow.

There are two methods of adjusting the seat/reclining seat:

- By either moving the seat with your body weight, (as normal for car seats) or
- By sliding by hand in that you stand in front of the seat.

It is then necessary however, to take hold in the centre space B in such a manner that the fingers reach the slightly set-back metal rail and not only the visible plastic trim.



Folding seat bench into sleeping surface

Warning

• When the bench has been folded into a sleeping surface, nobody, including small children, should be transported in the passenger compartment.

Please refer to the warning notes on page 15.

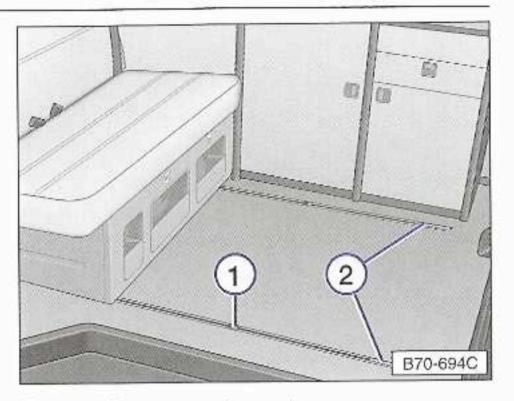
- Remove head restraints.
- Place seat belts between cushion and backrest.
- Push bench to "sleeping position" see previous page.
- Press release lever in the middle of the seat bench in the direction of the arrow and at same time lift seat at front slightly.
- Grip in recesses under seat cushion and pull seat forward.

Note

Ensure that no articles in the stowage space are trapped under the seat.

Folding seat bench back to driving position

- Lift front of cushion until seat linkage engages audibly. Cushion and backrest will now almost be at right angles to each other.
 If the linkage does not engage at any time, reach between backrest and luggage compartment padding and lift backrest up.
- Press seat cushion down. Backrest must then lift up.
- Allow seat cushion to engage firmly in the retainers.
- Pull belts out between backrest and seat cushion so that they are always ready for use.
- Install head restraints.
- Push seat bench to "driving position" see page 16.



Removing seat bench Please refer to the warning notes on page 15.

- After loosening screw, remove the stop in the seat runner 1.
- Take plastic covers off front openings of seat runners 2.
- Slide seat forward completely until it can be lifted out of the openings in runners.

Warning

Nobody, not even small children, should should be transported in the passenger compartment after the seat bench/sleeping.sur.site face has been removed.

Installing seat bench

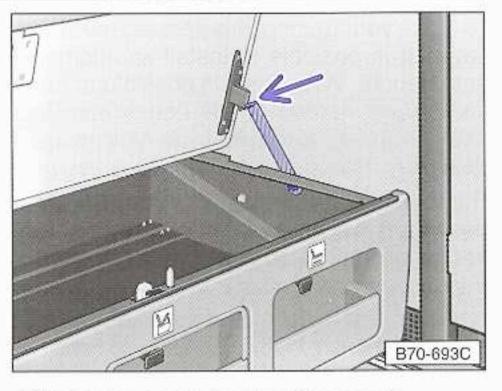
Warning

When installing the bench seat the following points are important for the safety of the vehicle occupants:

- The seat bench must always be firmly engaged in the mountings and adjusted to one of the three positions so that it does not become a risk to safety when braking sharply or should an accident occur.
- When transporting people the bench must always be installed in the correct direction and position so that the belts provided for each place can be worn properly.

Please refer to the warning notes on page 15.

- Set seat bench/sleeping surface carefully into the guide rails at the front, push back to the stop and allow to engage securely.
- Replace and secure the stop in the seat runner 1.
- of seat runners.



Stowage area under the seat bench/sleeping area

The space under the seat cushion can be used for stowage purposes. The cushion can be held in the open position with the strut (arrow) on the seat box.

Ensure that the cushion is properly supported with the strut in the notch.

Additional seat bench*

To make your touring vehicle even more versatile, it is possible to install an additional seat bench. With this it is possible to carry six people instead of the usual four. This seat bench is available from Volkswagen dealers.

Removing and installing this seat bench is described in a separate set of fitting instructions, which is supplied with the seat bench.

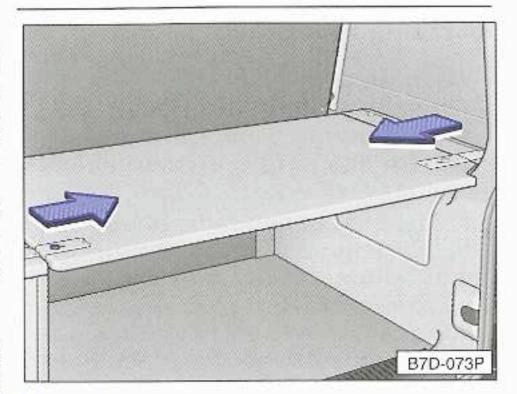
Warning

When the vehicle is in motion the seat must always be installed in the runners and secured so that it does not become a safety hazard when braking hard or in the case of an accident. The seat belt function also depends upon the secure mounting of the seat!

Note

If the additional seat bench is installed, part of the cupboards and sleeping surface of the normal seat bench cannot be used.

Luggage compartment /load surface



To enlarge luggage space

In addition the seat bench/sleeping surface can be moved forward or removed to increase luggage compartment area (see page 18).

Removing cover plate

- Remove mattress from behind seat bench/sleeping surface.
- Press the left and right cover panel retainers to the inside in the direction of the arrow.
- Remove cover panel.

Notes on loading

In the interests of good handling ensure that the load (persons and luggage) is distributed evenly. Heavy items should always be carried as near to the rear axle as possible or better still, between the axles.

- You must ensure that the heating elements of the rear window are not destroyed by items rubbing against them.
- Stale air escapes through ventilation openings at the rear. Therefore these openings must not be covered.

In order to avoid damage to the vehicle floor or seat securing elements, please note the following points when loading heavy items:

- Before loading lay a large, stable underlay across the whole loading area. The weight of the item is thus spread evenly across the whole of the vehicle floor.
- You must not load the vehicle floor heavily in one area.
- You should place the items to be transported horizontally in the luggage compartment or on the loading ers of WW Westfalia 14 campers area. They should not be tilted.

Warning notes

Warning

- The permissible payloads and GVW must not be exceeded – refer to tables as of page 77.
- It should be noted that when transporting heavy items the handling will change due to the displacement of the centre of gravity. Driving style and speed must be altered to suit.
- The load must be stowed in such a way that no items can fly forward if the brakes are applied suddenly.
- Nobody, not even children, may remain in the luggage compartment or on the load surface whilst the vehicle is in motion. Every passenger must be belted in correctly - see page 14.
- Never drive with the tailgate slightly or even fully open as exhaust gases will otherwise enter the vehicle!

www.westfaliaT4.info - a useful site for enthusiasts and o

Roof bed*

General description

The roof bed offers space for two persons. If small children are to sleep in the roof bed, a safety net which is available from your Volkswagen dealer must be attached.

Warning

- For safety reasons, the vehicle may not be driven with a raised roof. The roof must be completely closed and secured.
- No passengers should be in the roof bed whilst the vehicle is in motion.
- If a safety net is not available for the roof bed, small children must not use the bed.

How do you climb up to the roof bed?

Move the front seats to the driving position and ensure that they are properly engaged.

Step up carefully onto the seat area of the front seat (never step onto the arm rest) and support yourself on the bed surface when "climbing up" to the roof bed.

If necessary, step onto the closed kitchen cover when climbing up. Warning: the surface of the cover is slippery – please be careful!

What should be noted when climbing down from the roof bed?

Please never jump down from the bed onto the seats or the cover. You should climb down

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Bed in pop-up roof

Raising bed panel

When the roof has been raised the front section of the bed panel can be swung up and secured on the pop-up roof. This provides more headroom in the living area.

Warning
Check whether the retaining
strap is secured properly by pulling on the bed panel.

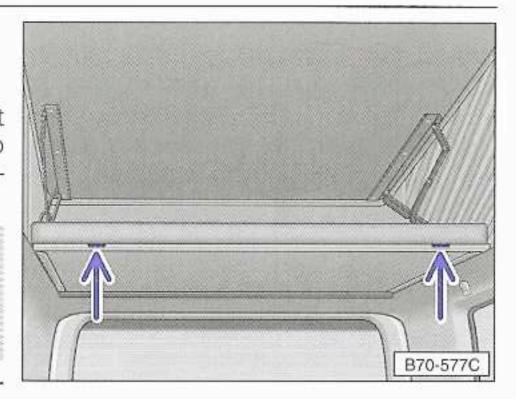
Move unlocking button (left-hand illustration) to the right to fold the bed panel down.

The bed panel must always be swung down before closing the roof otherwise the roof cannot be closed or could be damaged.

Removing bed panel

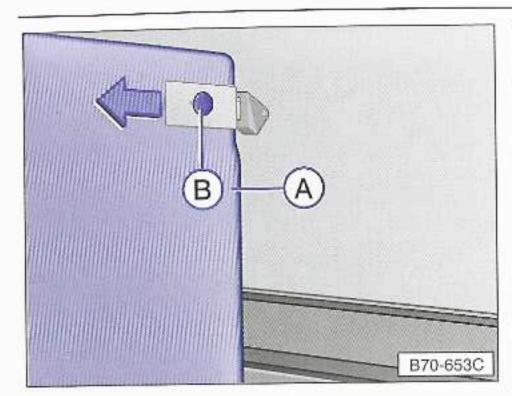
The bed panel can be removed if it is not needed by lifting it out toward the front in folded up state.

The panel can then be moved to the rear of the bed, but the roof may then not be closed.



Installing bed panel

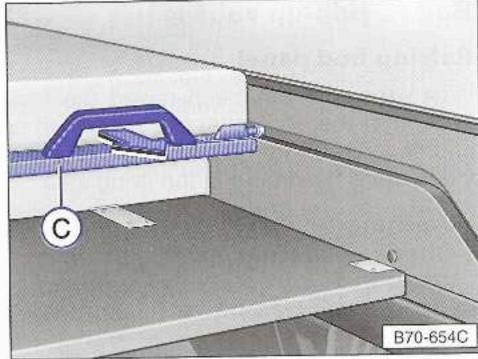
Lift the front end of the bed panel and insert with sheet metal tabs in both openings in the bottom of the rear bed section (see illustration). Then lay the cushion on the bed panel so that the roof can be properly closed.



Bed in pop-up roof

Warning
When the vehicle is being driven nobody is permitted to travel in the roof bed.

To assemble the bed release the vertical flap A by pushing back the two latches B in the direction of arrow and fold it downwards.



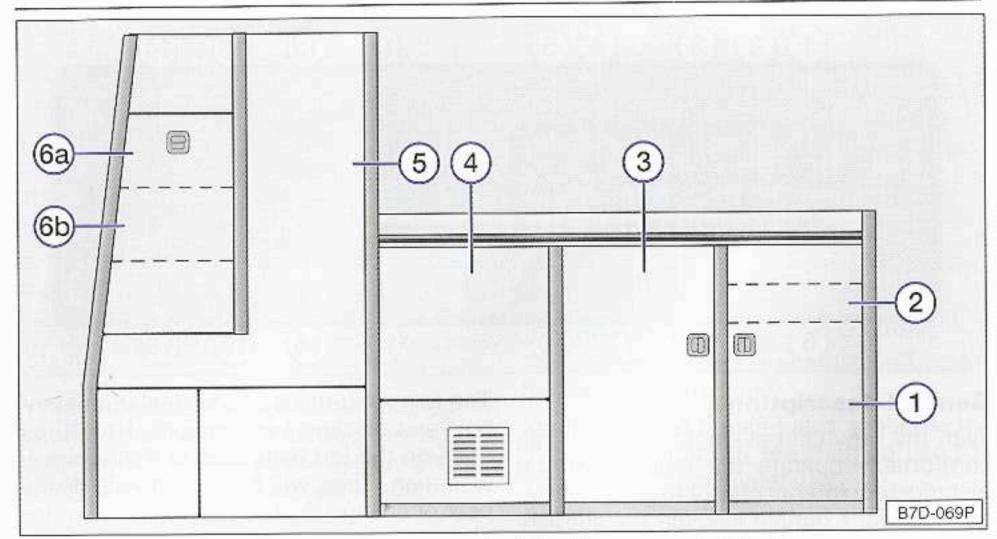
 Pull the bed extension C back in direction of arrow and place mattress in position.

To return the roof bed into the "day position" proceed in the reverse sequence.

Note

In the front part of the high roof there is storage space which is accessible after opening the furniture catches.

Loading the cupboards

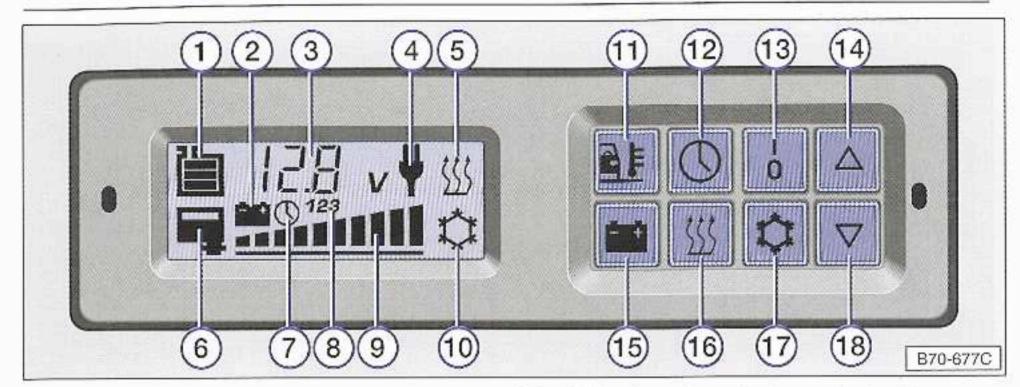


This touring vehicle has been built according to the latest developments in safety technology. It has a high level of active and passive safety. To ensure that this safety is reliable, please do not exceed the following weight restrictions for the drawers and cupboards.

Maximum weights for camper equipment

Roof stowage box above driver/ Passenger per side 5 kg
Rear roof stowage box (clothing only) 2.5 kg
Rear roof stowage box (clothing or bed linen only) 2.5 kg
Stowage box below seat bench 25 kg
1 - Stowage box 10 kg
2 - Cutlery drawer 2 kg
3 - Stowage box 10 kg
4 - Refrigerator 10 kg
5 - Wardrobe (on coat-hanger rail) 5 kg
6 - Clothing cupboards
a 1.5 kg
b 1.5 kg

Central electronics



General description

With the new central electronics, you can comfortably operate the majority of the electrical equipment of your touring vehicle. You can, for example, switch the auxiliary heating* on or off or determine the ambient temperature.

The auxiliary heater* works independently of the vehicle heating and ventilation system and can be used when on the move or stationary. It is supplied with fuel from the vehicle tank and electricity from an additional battery.

With the timer* in the instrument panel up to three different switch-on times can be selected. It is thus possible to start the heater without actually being in the vehicle.

If the battery is disconnected for any reason, the stored information is automatically erased. The following descriptions deal with symbols and displays i.e. positions 1 to 10 as seen on the left hand side of the above illustration. They will be shown, will disappear or change their appearance in the display.

The display is lit up, ...

... if the headlights or sidelights are switched on,

... if the auxiliary heater is in operation,

... for about 3 minutes after pushing any button (11 to 18).

Buttons are also shown on the right hand side of the illustration (11 to 18). You must use these keys if you want to operate a particular function. For example, if you want to determine the ambient temperature or set the digital clock.

An overview laid out in tables can be found at the end of this chapter which is intended to help you familiarise yourself quickly with the controls.

Display and symbols

1 - Fresh water level

Display consists of three bars. There are still about 9 litres of water left if only the bottom bar is displayed.

2 - Battery operation

This symbol appears when power is supplied to a consumer (e.g. the refrigerator) exclusively by the additional battery, i.e. not from recharging by the 230 Volt charger or by the generator driven by the vehicle engine.

When electrical equipment switched on causes the additional battery voltage to drop to 10.5 V the symbol flashes and the refrigerator and the auxiliary heater are automatically switched off.

3 - Multi-display

In this display (the battery voltage is shown), the following will be shown according to the buttons pressed or function faults:

- Battery voltage of the additional battery
- Heating level set for auxiliary heater*
- Remaining running time for auxiliary heater*
- Temperature set for refrigerator
- Switch-on times
- Ambient temperature
- Interior temperature*
- current time on the digital clock
- "F13", for example, should a fault occur in the auxiliary heater system*
- flashing display for battery voltage for vners fawlts in the 230 Volt system or a fault in the charger.

4 - 230 Volt mains voltage and charger

This symbol appears when there is 230 V mains voltage and the charger is working. Symbol disappears in case of mains voltage failure or faults in the charger.

If display 3 flashes at mains voltage and shows a value of more than 15 Volts, a fault is present. Disconnect mains and consult a Volkswagen dealer.

5 - Auxiliary heater operation*

This symbol appears as soon as the auxiliary heater is switched on.

Symbols 7 and 8 might also appear in the display according to the method used to start the auxiliary heater.

A fault code will appear in the display 3 should there be a fault in the auxiliary heater operation e.g. F13 and display 5 flashes.

To remove the fault, please refer to the notes as of page 74.

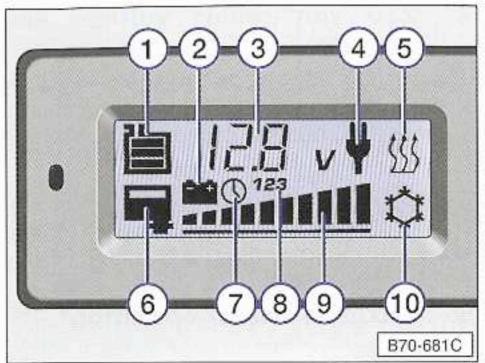
6 - Waste water level

This symbol flashes when the tank is full. Flashing turns into a continuous display by pushing any one of the buttons (11 to 18).

7 - Timer*

This symbol appears as soon as the timer is switched on. Symbol 7 disappears when switched off.

If the auxiliary heater is switched on via button combination 12 and 13, symbols 5, 7 and 8 will appear.



8 - Switch-on times

Each individual figure (1, 2 or 3) stands for a switch on time. If, for example, figures 2 and 3 are visible, it means that you have programmed two switch—on times for the auxiliary heater.

The heater will only be activated and start up at the preset time when the figure(s) remain visible in the display together with symbol 7.

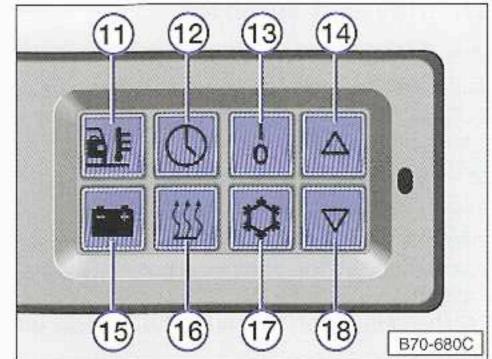
9 - Additional battery capacity

Available battery capacity is displayed in steps of 10 %. When operating from the battery, the display appears for the first time about 5 minutes after switching on electric equipment. Prior to this only the first and last bar symbol are displayed.

10 -Refrigerator operation

This symbol appears as soon as the refrigerator is switched on. Symbol flashes in case of malfunction.

To remove the fault, please refer to the notes as of page 74.



Buttons

General description

You can only initiate any of the functions described for buttons 11-18 if you press the button in question individually.

On the following pages, the functions detailed can only be carried out if several of the buttons described here are pressed after each other or at the same time.

11 -Ambient temperature

The ambient temperature in degrees Celsius will be shown in the display 3 when this button is pressed.

12 - Switch-on time display

By pressing this button several times, figures 1, 2 and 3 will appear successively in the display 3 in position 8 together with the appropriate programmed switch—on times.

If no switch-on time has been programmed, 0:00 will appear in the display.

13 - Combination button

If this button is pressed once it will have no effect. The appropriate function can only be carried out if it is pressed together with buttons 12, 16 and 17.

14 - Interior temperature*

The interior temperature in degrees Celsius will appear in the display 3 if this button is pressed. This temperature display will only be visible for a short time.

15 -Additional battery voltage

The battery voltage will be shown in the display 3 if this button is pressed. It will remain visible until button 11 is pressed.

16 -Auxiliary heater* level

The level set for the auxiliary heater will appear in the display 3.

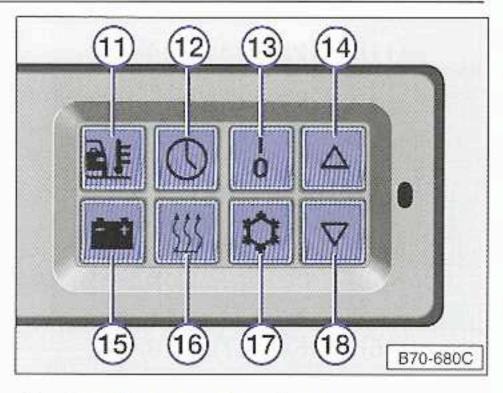
17 -Nominal refrigerator temperature

Set nominal temperature of the refrigerator is shown in display 3 as long as this button is pushed.

18 - Remaining running time for auxiliary heater*

The remaining running time for the auxiliary heater which has been switched on by the timer can be called up by briefly pressing this button. If the button is pressed longer than one second, the running time will be shortened.

The heating must have been running for at least a minute in order to be able to reduce the remaining running time.



Switching on heater* (manually without timer)

Switching on auxiliary heater

Warning When running the engine in confined spaces there is a danger of poisoning.

The auxiliary heater is switched on or off by simultaneously pushing buttons 13 and 16. It works **permanently**. Display 5 appears after switching on.

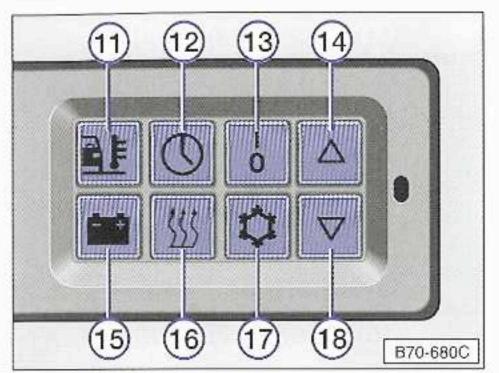
Setting level for auxiliary heater

The level of the auxiliary heater can be set at any time whilst the heater is in operation.

Keep button 16 pressed down. By then tapping button 14 you will increase (button 18 to decrease) the level by one in a range from 10 to 30.

When the desired temperature has been reached it is then held fairly constant by the heater thermostatically.

After setting the level whist the heater is in operation it will take a little time before the change can be felt.



Switching off auxiliary heater

Warning

The heater must be switched off when filling the tank.

The heater can be switched off by pressing buttons 13 and 16. Symbol 5 disappears.

 Every time the heater is switched off the blower continues to run for a while to cool the heater down quicker. When filling tank it is not necessary to wait to end of run-on.

Switching on heater* (automatically using timer)

The auxiliary heater will only switch on automatically at the pre-set times if the digital clock has been properly programmed.

Setting actual time on digital clock

Keep buttons 12 and 16 pressed during the setting procedure. You will call up the digital clock using these buttons. A time will appear in the display 3 together with a flashing "colon".

You can set the correct time with reference to a clock with the exact time by pressing buttons 14 or 18. Release the buttons after you have finished setting the clock.

Display 3 for the time will remain visible until another button is pressed.

Programming switch-on times

Before programming the switch-on times you must ensure that the clock is showing the correct time as the auxiliary heater will otherwise start at the wrong time

Using button 12 choose a figure in position 8 where you would like to program the switch-on time. Keep button 12 pressed until you have finished programming.

By tapping or holding buttons 14 or 18 you can now set the switch—on time for the auxiliary heater. Release the buttons after programming. The switch—on time is now stored under the figure chosen.

Please note that the switch-on time has only been pre-programmed and that the auxiliary heater can not yet start.

If you press button 12 again, you can program a further switch-on time under the next figure.

Up to three switch-on times can be activated per day. These programs will then run parallel to each other, regardless of the order in which they were programmed.

Switching on auxiliary heater via the timer

One figure in position 8 must be visible.

Press buttons 12 and 13. Symbol 7 will appear. The auxiliary heater will start at the www.westfalia14.info-a useful site for enthusiasts and owners of VW Westfalia T4 campers programmed time.

An example of the daily programming of the auxiliary heater:

It is Sunday evening and you have activated the auxiliary heater for Monday at 6.30 a.m. by pressing the buttons 12 and 13. This can be determined from the the figure in position 8 and from symbol 7. After the heating has functioned on Monday morning, it will automatically start at the same time (6.30 am) on the next weekday (Tuesday).

The auxiliary heater runs for **up to 2 hours** when the ignition is switched off after which it switches itself off.

The auxiliary heater will start each day at the programmed time as long as symbol 7 and a figure in position 8 remain visible.

Switching off auxiliary heater

The auxiliary heater is switched off by pressing buttons 12 and 13. Symbols 5 and 7 will disappear.

Air intake opening for the auxiliary heater

The air intake opening is in the lower left hand side of the side trim below the table.

Please do not use the space between the air intake opening and vent for storage. The intake opening could be blocked and switch off auxiliary heater as a result.

Vent for the auxiliary heater

The vent is behind the driver's seat on the step between the driver and passenger compartment.

Warning

Warm air coming from the vent can damage heat sensitive items.

Refrigerator

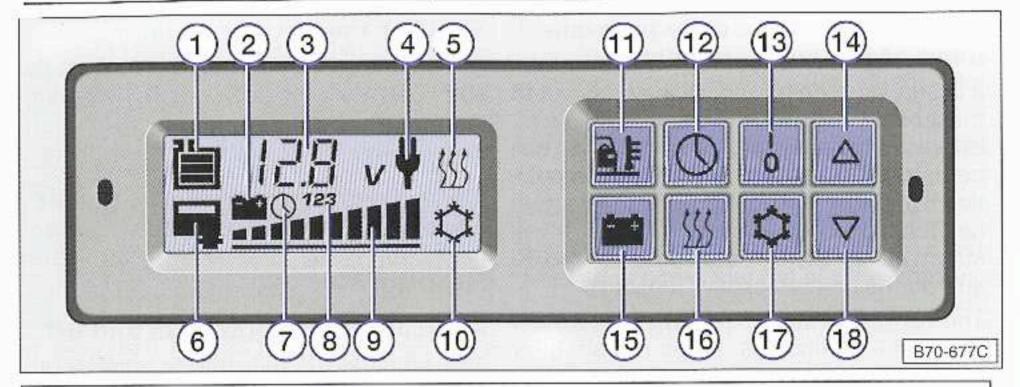
Switching refrigerator on and off

The refrigerator is switched on or off by simultaneously pushing buttons 13 and 17. Display 10 appears if switched on. It will disappear if the refrigerator is switched off.

Set refrigerator temperature

Keep button 17 pressed down. By tapping button 14 you will increase (button 18 decreases) the nominal temperature by 1°C in a range from –20°C to +20°C.

Release the buttons after you have set the temperature.



Quick guide for the central electronics controls					
If you want to	press button:	press button or button combina- tion:	and it ap- pears in display field		
 find out the ambient temperature 	11		Pos. 3		
 find out the interior temperature* 	14	_	Pos. 3		
 find out the voltage in the additional battery 	15	-	Pos. 3		
 set the digital clock 	_	12 and 16, 14 <i>or</i> 18	Pos. 3		
find out what the time is	-	12 and 16	Pos. 3		

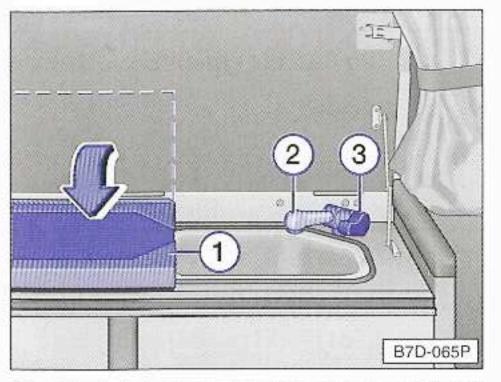
13) (14)	Quick guide for the o	entral el	ectronics contro	ols
		If you want to	press button:	press button or button combina- tion:	and it ap- pears in display field
		 switch the refrigerator on or off 	_	13 and 17	Pos. 10
17) (18) B70-677C	alter the refrigerator temperature	_	17 and 14 <i>or</i> 17 and 18	Pos. 3
contr	ols	determine the set temperature of the refrigerator	17	_	Pos. 3
on or bina-	and it ap- pears in display	 switch the auxiliary heater,* on or off manually 	_	13 and 16	Pos. 5
	field Pos. 3	alter the heater performance of the auxiliary heater*	-	16 and 14 <i>or</i> 16 and 18	Pos. 3
	Pos. 3	determine the set heater setting	16		Pos. 3
	Pos. 3	Set the switch-on times	 -	12 and 14 <i>or</i> 12 and 18	Pos. 3 and 8
14 or	Pos. 3	Determine the switch-on time	12	<u> </u>	Pos. 3 and 8
6	Pos. 3	switch on the auxiliary heater via the timer*		first 12 and then 13	Pos. 5, 7 and 8
		determine the remaining running time of the auxiliary heater	18		Pos. 3
www.west	aliaT4.info - a useful site for enthusia	set up 230-Volt mains voltage sts and owners of VW Westfalia T4 campers			Pos. 4

Sink

Before lifting up the kitchen cover, move the driver's seat backrest to a vertical position if necessary or turn the driver's seat.

- A heat shield* may well be fitted to the kitchen cover that can be supported once the cover on the left-hand side of the cooker is folded up.
- Once this cover is folded up, the side support bracket of the kitchen cover must be correctly engaged to prevent it inadvertently folding down.

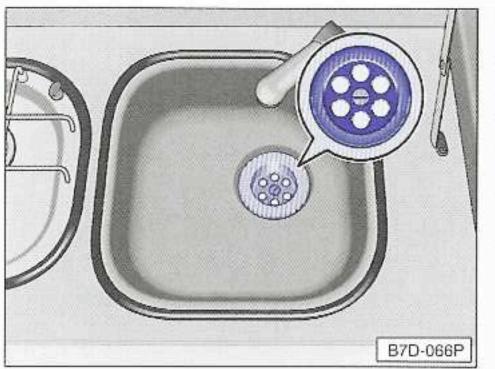
	Pa	ige
Filling the fresh water tank	21	36
Emptying the waste water tank		38



On the kitchen cover there is a draining board 1 which can be hinged down to put dishes on after they have been washed.

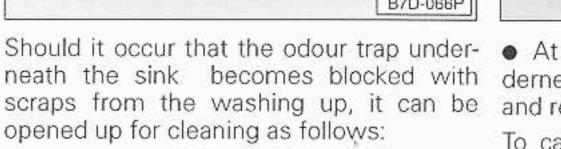
Please operate lever 3 to the right of the tap 2 to switch the water pump on and off.

The water pump must not run dry as it will otherwise be damaged.

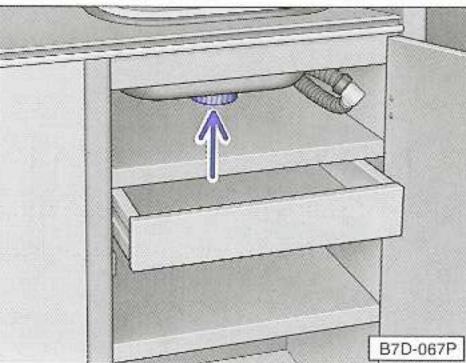


opened up for cleaning as follows:

the middle of the draining sieve.



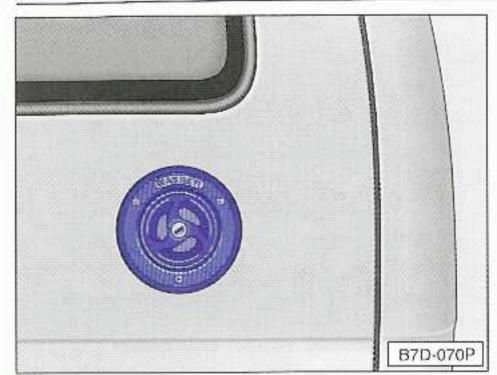
Remove the screw which is located in



 At the same time, hold the odour trap underneath the sink securely - see arrow and remove the sieve.

To catch escaping water, a suitable container should held under the trap.

Water supply



The water should not be left in the tank for a long period of time without being changed - danger of contamination.

Warning

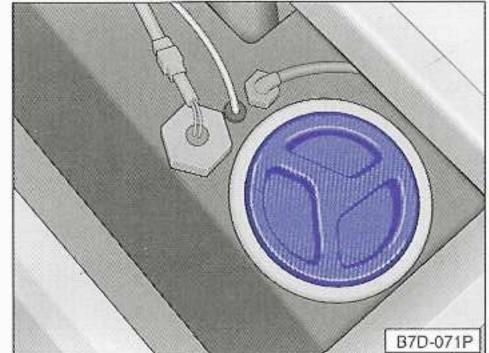
Only use fresh water from public water supply and not water from springs of uncertain origin and rivers (pollution, impurities). In foreign countries use a sterilizing agent to be on the safe side. This can be obtained from camping stores and chemists).

Fresh water filler neck

left-hand outer wall - below the last rear window.

Before filling ensure that the drains of the fresh water system are closed.

After filling, screw the cap back on and lock the filler opening.



Cleaning opening

In the top of the tank is a large cleaning opening, the cover of which is removed by turning anti-clockwise.

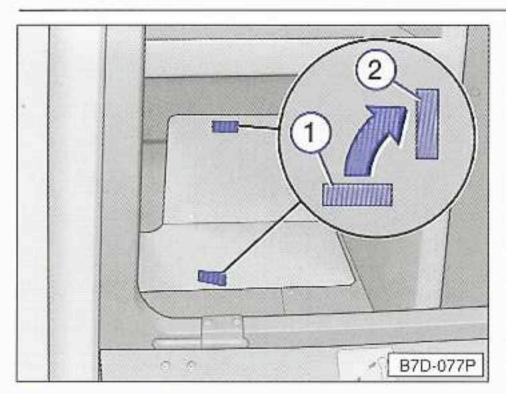
It can be accessed as follows:

The tank can be reached through the doors of the clothes cupboard. It is covered by a metal plate which must first be folded up.

You can now remove the cover by turning it anti-clockwise.

Fresh water tank

In the tank there is an electric pump which is switched on when the water tap is opened. The water level in the tank is The lockable filler opening is located on the measured by a sender in the tank and displayed in Central electronics - see Page 26 also).

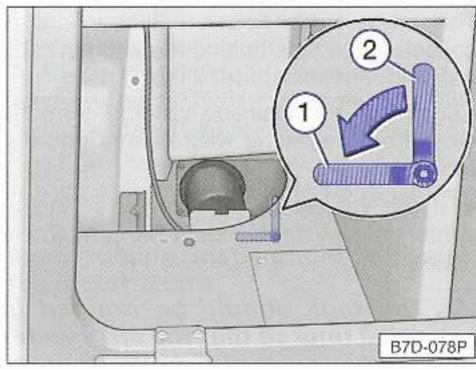


Draining fresh water system

Warning When it is very cold the water can freeze on the ground as it is drained. Danger of slipping!

When the water supply is not going to be used for several weeks the system should be emptied so that the water does not stagnate.

The system must naturally also be drained when temperatures are low and the vehicle is not being heated or used regularly.



Draining fresh water tank

The fresh water system is drained as follows:

- First open the cover at the bottom of the clothes cupboard. Place the black lever in a vertical position (see left illustration, Pos.
- 2). Remove the cover.
- There is a red lever underneath the crescent shaped board. Move this lever to Position 1 (see upper illustration). The water in the tank will now be released out of the drainage opening.

The drainage opening for the fresh water tank is located on the rear left under the vehicle (see page 39).

- After the fresh water tank has been drained, move the red lever vertically to Position 2 (see upper illustration).
- Secure the cover again. Move the lever to position 1 - see left illustration.

Draining the hoses

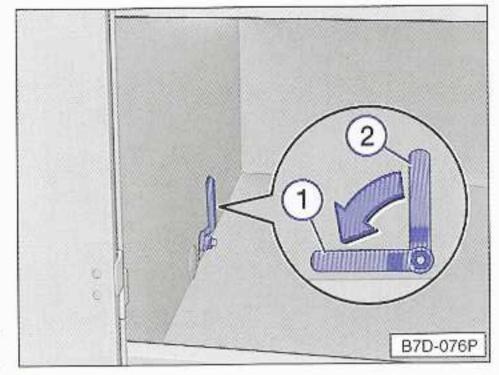
- First remove fuse No. 2 (see page 71) for the water pump.
- Open the tap in the sink.

Water disposal

The waste water from the kitchen sink is collected in a tank behind the kitchen cabinet, and it holds about 27 litres.

Check that the drainage valve is correctly closed before letting waste water into the tank.

- If the vehicle is not being used in the winter, the system should be completely drained.
- The tank should be drained in good time so that the dirty water does not run out of the overflow uncontrolled. This is why the waste water level is displayed in Central electronics (see Page 26).
- On many camping sites and in many towns there are special facilities for the direct draining of such tanks.



Draining waste water tank

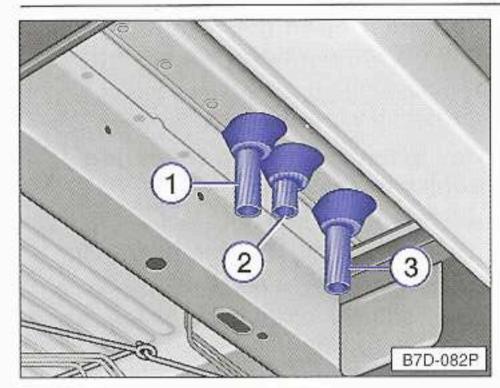
Warning When it is very cold the water can freeze on the ground as it is drained. Danger of slipping!

The drainage valve is on bottom left in the left kitchen cabinet.

The cut-off valve is illustrated in the closed position. To open the valve, you must first move the lever out of Position 2 by 90 degrees to the left to Position 1.

After draining tank the drainage valve must be closed.

Cleaning water tanks



Under the vehicle, approximately 35 cm in front of the rear left wheel arch, are located.

- 1 drainage supports,
- 2 ventilation for waste water tank and
- 3 the drainage opening for the fresh water tank (see page 37).

Warning Regular commercial detergents must never be used to clean the fresh water tank!

If the water in the fresh water tank becomes stagnant or the water in the waste water tank is not emptied in time, unpleasant odours can arise. The tanks should then be cleaned as follows:

- Drain the fresh water system and the waste water tank by opening the drainage openings underneath the vehicle.
- Close the drainage openings after drainage.
- Remove the cleaning opening cap on the www.westfaliaT4.info a useful site for enthusiasts and own freshwwater tankp(see page 36).

Pour disinfectant into the fresh water tank through the cleaning opening.

To ensure that the disinfectant reaches the waste water tank, fill it over the sink and pour in water afterwards so that it can flow fully into the tank.

The disinfectant is available from camping equipment stores or chemists.

Note mixing instructions on label for disinfectant.

 Fill both tanks with fresh water and allow the mixture to work.

You should use a hose to fill the tanks with fresh water. The water jet will stir up deposits in the tank which will be washed out through the drainage opening.

- Empty tanks and rinse tanks and pipes with clean water.
- Screw the taps back onto the tanks and close the drainage openings on the fresh and waste water tanks.
- On many camping sites and in many towns there are special facilities for the direct draining of such tanks.

Note

 If the vehicle is not being used in the winter, the system should be completely drained.

Gas cooker

General notes

Warning

- When using the cooker always open windows and skylight.
- The cooker flame must not be used to heat the interior. Due to the oxygen used by the flame an oxygen shortage is created in the Camper if inadequately ventilated – danger of suffocation!
- If the cooker has not been used for some time, all gas cut-off valves should be shut. All gas cut-off valves must be shut before starting a journey.

General description

The grille is only clipped in position and can be taken off easily for cleaning purposes.

To obtain optimum energy utilisation the following should be noted:

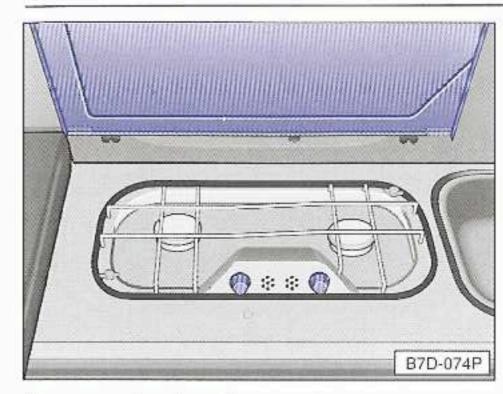
- Saucepan size, 16 20 cm diameter.
- The bottom of saucepans must be flat.
- The saucepans must be placed directly in the middle over the flame.
- Flame must not extend around edge of saucepan.

You must open the following gas cut-off valves before cooking:

The main cut-off valve on the gas bottle and the cut-off valve on the cable - see page 43.

Pay attention to the following safety notes:

- Ensure that no burnable food remains,
 e.g. grease or oil, are near the burners.
- Keep towels, cloths, paper, wooden items or other inflammable materials away from the cooker. This applies also to plastic parts which would not only burn but also melt.
- Do not heat oil or fat excessively danger of fire!
- Do not permit the handles of pots or pans to extend beyond the edge of the cooker, in order to prevent them being knocked off the cooker.
- Never leave the cooker unattended especially when children are "on board"!
- Only use dry cloths to take hold of hot pots or pans. Wet cloths could become very hot and cause burns!



How to ignite the cooker:

- Short term odours can arise during the initial operation of the gas cooker.
- Lift cooker lid and lock.
- Press in rotary knob of desired burner and turn to the left (illustration).
- Light gas emitting from side of burner.
- When cooker flame burns, keep knob pushed in for approx. 15 secs. to bridge the igniter safety device. If the knob is released too soon, the flame will go out, but it can be reignited immediately.

- If the burner remains on after releasing the knob the flame can be regulated by turning the knob;
- Symbol "large flame" large flame setting
- Symbol "small flame" small flame setting
- The left-hand burner in the illustration has a greater power that the one on the right
 see Technical Data, page 82.

And this is how to stop cooking:

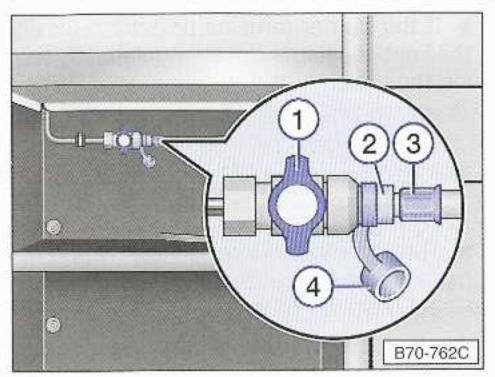
- Turn rotary knob fully to the right.
- Close cut-off valve on cable.

Note

If you should wish to drive after cooking or will not cook again for some time, please note the following points:

- The main cut-off valve on the gas bottle must be closed.
- Unlock lid and close.

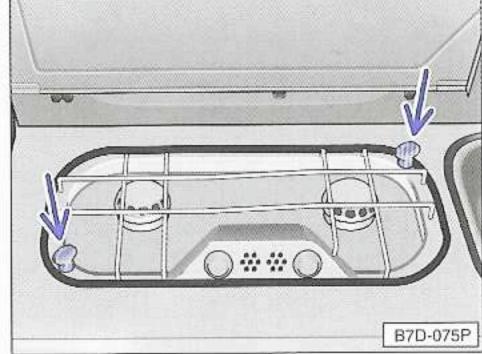
Removing gas cooker



Allow cooker to cool completely before removing it!

- Push the seat bench forwards.
- Close the main cut-off valve and close the cut-off valve 1 in the pipe.
- Remove the gas connector hose 3 of the gas cooker from the quick release coupling. To do this push the securing ring 2 of the quick-release coupling back and pull the gas hose out at the same time.
- Then place the cover 4 on the open end of the guick-release coupling.
- Fold up the gas cooker cover.
- Unscrew both wing nuts (arrows) fully see right-hand illustration.
- Remove gas cooker by holding and pulling on the burners.

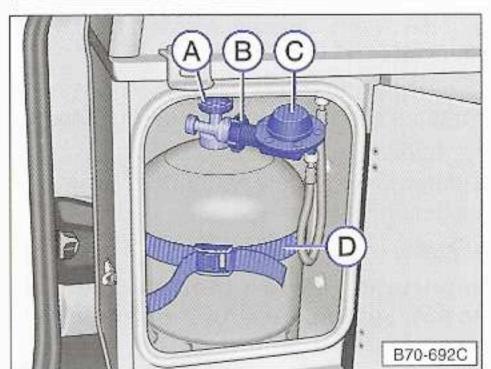
The cooker is removed in the reverse order.

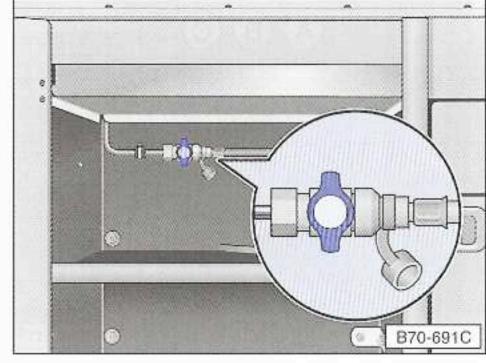


Notes

- Short term odours can arise during the initial operation of the gas cooker.
- The cut-off valve 1 in the pipe can only be opened if the gas connector hose is completely connected to the quick-release coupling and properly engaged.
- The gas connector hose can only be removed when the cut-off valve 1 is closed the illustration shows the valve in the closed position.
- Once the cooker has been removed, it can only be used outside the vehicle by placing it on a separate support frame.
- See also the notes on page 45.

Gas system





GAZ Gas bottle system

The butane gas bottle is housed in a cupboard on the left hand side of the luggage compartment.

The gas bottle can be accessed once the cover plate has been removed and the cupboard door has been opened.

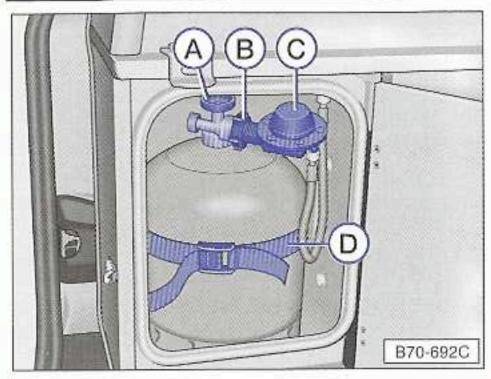
The cupboard door must, for reasons of safety, always be closed and properly locked if a gas bottle is installed.

Bottle valve with pressure control

- A Bottle safety valve with main cut-off valve
- B Union nut Left hand thread!
- C Pressure regulator (30 mbar)
- D Retaining strap

Gas cut-off valve

The cut-off valve for the gas system is fitted in the lower kitchen cupboard. The valve is closed if it is not in line with gas pipe – see illustration.



Connecting gas bottle

Only size 907 "Camping GAZ" butane gas bottles may be used in conjunction with a bottle safety valve!

- Remove the cover plate.
- Open the cupboard door by unlocking the lock.
- Secure bottle safety valve with main cut
 Remove gas bottle. off valve A on full gas bottle.
- Place gas bottle in the cupboard and secure by tightening belt D.

Please ensure that the seal on the cupboard is not damaged in the process. The belt must also be guided through the retainers fitted inside the cupboard so that a secure fastening of the gas bottle can be guaranteed.

 If necessary, tighten union nut B by turning to left.

Ensure that the safety valve A and the union nut B are secured tight and the connections are airtight.

- After installing the gas bottle, close the cupboard door and lock it.
- Install cover plate.

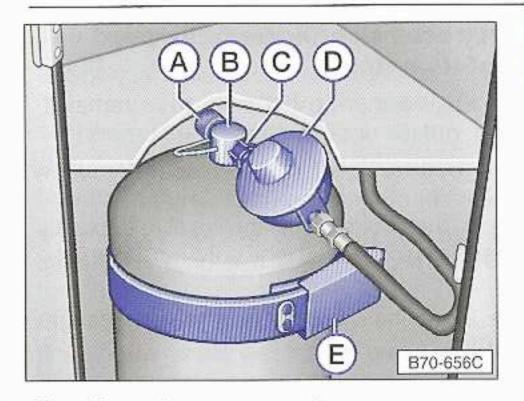
Important safety notes on the gas bottle system are to be found on page 45.

Removing gas bottle

- Remove cover plate and open the cupboard door.
- Close cut-off valve on gas hose.
- Close main cut-off valve A on gas bottle.
- Loosen union nut B by turning to right.
- Loosen retaining strap D.

Note

When changing the GAZ-gas bottle, unscrew the bottle safety valve with main cutoff valve from the empty bottle.



Gas bottle system 1

The butane gas bottle¹⁾ (Norm NFS 56-200) is housed in a cupboard on the lower left hand side of the luggage compartment.

The gas cooker is supplied from the gas system.

- A Main cut-off valve
- B Valve housing
- C Union nut Left hand thread!
- D Pressure regulator (28 mbar)
- E Retaining strap.

Changing gas bottle

- Close main cut-off valve A.
- Unscrew union nut C by turning to the right.
- Take off retaining strap E.
- Remove valve housing B.
- Screw plug into empty gas bottle.

Installing the full gas bottle is carried out in the reverse order. When doing this ensure that the threaded connections B and C are free of leaks.

Safety notes for the gas system

- The gas system must on no account be connected up to the town or municipal gas network.
- No modifications may be made to the gas system.
- Below 0° C butane is no longer in gaseous form.
- The gas hose between pressure regulator and gas system must be checked at regular intervals. If a leak is determined, or even suspected, it must be renewed immediately. When doing this, ensure also that the new hose corresponds to the specifications printed on the old hose.
- The floor ventilation underneath the gas bottle must not be closed off (e.g. through sludge, cleaning rags), to ensure that gas can flow out in case of a leakage. The floor ventilation should be checked regularly.
- The cover plate must always be secured correctly in place when the gas bottle is installed. The lid for the gas bottle holder must also be properly screwed on.
- For safety reasons, the gas system must be checked for leaks and function by a qualified person:
- every 2 years,
- any time repair work is carried out on the gas system,
- every time the gas system connections are opened.

The system does not have to be checked if the gas bottle has been changed or the gas cooker has been installed or removed!



Methylated spirit cooker*

Warning Notes

Warning

- When using the cooker always open windows and skylight.
- The cooker flame must not be used to heat the interior. Due to the oxygen used by the flame an oxygen shortage is created in the Camper if inadequately ventilated – danger of suffocation!

See page 48 for filling the fuel container.

General description

The grille is only clipped in position and can be taken off easily for cleaning purposes.

To obtain optimum energy utilisation the following should be noted:

- Saucepan size, 16 20 cm diameter.
- The bottom of saucepans must be flat.
- The saucepans must be placed directly in the middle over the flame.
- Flame must not extend around edge of saucepan.

Pay attention to the following safety notes:

- Ensure that no burnable food remains,
 e.g. grease or oil, are near the burners.
- Keep towels, cloths, paper, wooden items or other inflammable materials away from the cooker. This applies also to plastic parts which would not only burn but also melt.
- Do not heat oil or fat excessively danger of fire!
- Do not permit the handles of pots or pans to extend beyond the edge of the cooker, in order to prevent them being knocked off the cooker.
- Never leave the cooker unattended especially when children are "on board"!
- Only use dry cloths to take hold of hot pots or pans. Wet cloths could become very hot and cause burns!

The burners are ignited as follows:

- Short term odours can arise during the initial operation of the methylated spirits cooker.
- Turn the rotary knob of the desired burner fully to the left.
- Ignite by holding the liquid gas igniter supplied or, if not available, a long fire-place match as near as possible to the burner opening.

If the burner is still warm from previous use, the flame could ignite and then stop burning. In this case, blow into the burner opening to accelerate evaporation of excess meths and then ignite again.

Important notes while cooking:

- The cover underneath the fuel tanks must always be pushed fully in.
- The cover must never be used for stowing items, not even flat objects.
- The ventilation slots behind the cooker must not be obstructed as heat must escape through the slots when cooking in the lower range of the cooker.
- Avoid drafts, but make sure sufficient ventilation is provided.

And this is how to stop cooking:

- Turn rotary knob fully to the right.
- After waiting a short period turn the knob to the left once to check whether the flame has actually gone out.
- Turn knob fully to the right again.

Note

The kitchen cover should be released and folded down when the kitchen is no longer needed.

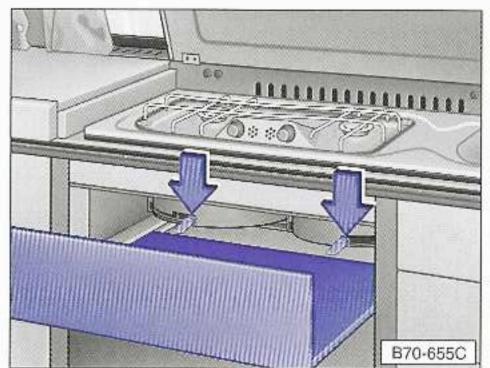
Refilling methylated spirits*

Pay attention to the following safety notes:

Warning

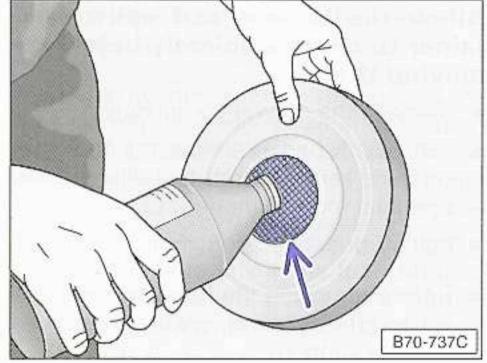
- Only use methylated spirit! Other fuels could lead to uncontrolled fires!
- Only store and transport methylated spirit in the bottles approved for this purpose.
- Always keep bottles of methylated spirit closed tightly and store them away from the cooker, engine or other sources of heat.
- Avoid sparks or open flames in the area where methylated spirit is stored or filled. Consequently never smoke while working with methylated spirit!

- Wipe away spilled methylated spirit immediately or let small amounts evaporate.
- Only fill tanks by pouring methylated spirit into a removed fuel tank (never from above through the burner opening). For this purpose the tanks must be so cold that it is possible to hold them with bare hands. Furthermore, if the tanks are hot, there is a danger of self ignition.
- Burning methylated spirit can be put out with water or a class A fire extinguisher.



The methylated spirit cooker is fitted with two pressureless burners. Each burner has its own fuel tank and each tank has a capacity of about 1.2 ltr.

To reach the fuel tanks the door of the cabinet under the cooker must be opened and the cover pulled out. Then the release lever (arrows) at the concerned burner must be pressed down and the fuel tank pulled out.



To fill, the tank must be **inclined** down to such an extent that the burner grid (arrow) faces down. Pour methylated spirit into this depression.

The tank is full when methylated spirits can be seen in the depression of the **vertically** held tank.

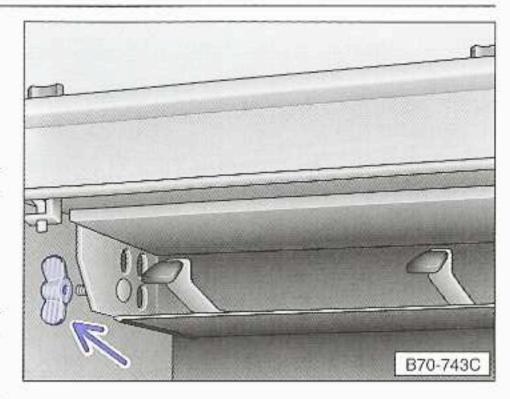
Warning

Heat causes methylated spirit to expand! If too much methylated spirit is poured into a fuel tank, it could flow into the cooker area and lead to an uncontrolled fire.

Removing methylated spirits cooker*

Allow the cooker and spirit container to cool completely before removing them!

- Remove the drawer completely.
- Pull out the cover below the fuel containers and remove both tanks (see previous page).
- Pull off both operating knobs.
- Before removing the four wing nuts (arrows) and their screws, ensure the cooker is properly supported.
- Lower the left hand side of the cooker slightly and pull out.
- Once removed, replace the fuel containers onto the cooker and press on the two operating knobs.



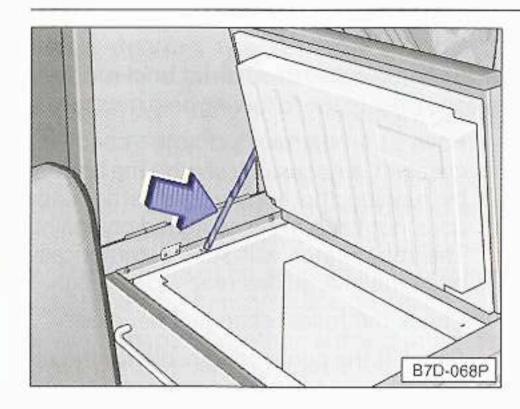
Notes

- Make sure that the operating knobs are turned right to the stop to avoid evaporation and thus unwanted smells.
- Never use the cooker when it is removed.

The cooker is installed in the reverse order. After inserting and before tightening the wing nuts, align the cooker so that it presses tight up against the cover and that the burner is in the middle of the burner openings.

See also the safety notes on page 48.

Refrigerator



Before the refrigerator is used for the first time it should be cleaned inside with warm water to which a mild cleaning solution has been added.

The refrigerator works solely from the service-free additional battery and completely independent of its location and of engine and ignition.

It is switched on and off as well as regulated by the central electronics – see page 26.

The lid is kept in the fully open position so that foodstuffs can be easily placed in and removed from the refrigerator.

To close the lid, lift it slightly and press the supports in the direction of the arrow.

Notes and tips when using refrigerator

• The refrigerator should be run cold before placing food and drinks in it. Furthermore the items to be placed in the refrigerator should be taken out of the home refrigerator only shortly before the journey.

When purchasing items while travelling, it is recommended to buy items from refrigerators in supermarkets and to place them in the vehicle refrigerator without delay.

Never place hot food or drinks in a cold refrigerator!

- Food and drinks should only be placed in the refrigerator in tightly sealed containers whenever possible. Advantages:
- The formation of condensation (ice) on the evaporator is delayed. (The formation of ice on the evaporator significantly reduces the efficiency and leads to increased current consumption and reduced cooling). Excessive formation of ice is also encouraged by frequently opening the refrigerator lid.
- Food will not dry out.
- Drinks cannot evaporate or be splashed out while driving.
- There is no transmission of odours..

Action to be taken during

- The containers should also be as small as possible, as it is easier to stow many small containers than a few large ones.
- The refrigerator should also not be packed too full in order not to impair the circulation of cooling air.
- Rattling noise from the refrigerator can be avoided by placing slightly crumpled paper between bottles and other containers.
- When the refrigerator is not working:
- Switch it off to avoid draining the additional battery.
- Open lid to prevent mildew and damp stains.
- See page 65 for information on cleaning and defrosting the refrigerator.
- The refrigerator is provided with intake and exhaust air filters on the outside of the refrigerator. These filters must be checked at least once every year for blockages.

Notes

No articles should be placed in front of the intake and exhaust grille, which is located directly next to the seat bench. The refrigerator may well switch itself off as a result.

Operating faults

If the refrigerator should not cool properly please refer to the following help measures:

- Have the battery charge condition checked, if necessary charge the battery by running the engine (the refrigerator does not have to be switched on again). The refrigerator will start automatically once the charge has reached 13 Volts.
- Check the fuses, change if necessary.
- Check if the connecting cable for the refrigerator is connected correctly to the 12 Volt plug behind the driver's seat.

If these individual remedies do not meet with success, your Volkswagen dealer will be pleased to help.

Driving safely

When driving the touring vehicle a few special points must be noted:

- Close skylight*, pop-up windows* and roof before starting your journey.
- Before moving off check that all doors, flaps and drawers are properly closed and that the awning* is fully rolled in.
- The table must be secured in its bracket under the seat bench/sleeping surface.
- All luggage and other articles must be firmly stowed, and secured if necessary.
- The belts for the bench seat must be lying on the seat – not under it, so that passengers can belt up.
- All seats must be in sitting position and properly engaged when the vehicle is in motion.
- All passengers must wear a seat belt when the vehicle is in motion.
- All luggage and other articles must be firmly stowed.
- Close all gas cut-off valves.
- When refuelling, switch auxiliary heater off.
- Remember that the vehicle handling changes when it is fully loaded. The style of driving must therefore be matched to the

Warning

a storm

If the centre of the storm appears to be directly above your Camper location we recommend:

- Detach 230 Volt mains connection from external plug.
- Push car radio aerial in.
- Close the roof and wait inside the vehicle for the storm to end.

www.westfaliaT4.info - a useful site for enthusiasts and owners of WWestfalia 14102mngs

Travelling tips

Preparing for a trip

One not inconsiderable benefit of a Camper is that you can decide your travelling time and destination at the last minute and change your mind at will.

As an experienced Camper driver you are no doubt familiar with how to drive, manoeuvre and park a Camper.

Should you be making your first trip with your Camper, however, we would recommend the following points:

- You should become familiar with parking and manoeuvring your vehicle before starting the trip.
- Make a note of the width and height of your vehicle.

The following is intended to help you prepare for the trip and check easily if all important items are on board before you set off. Unpleasant surprises can thus be avoided before you start your journey.

Before starting your journey

- Check that all the important pieces of equipment function properly.
- Work out your route, with assistance from automobile clubs and tourist associations if necessary.
- Check inoculation regulations in the country to which you are going
- Re-arrange or cancel post and newspaper deliveries.
- Leave your holiday address with someone at home.

Household and camping equipment

It is also useful to make a list of all items required for living, camping and sports activities. It is very annoying to get to your holiday location and find that you have forgotten to bring, for example, washing kit, the camping chairs or the surfing suit.

Documents

- Passport (still valid?)
- Driving licence
- Vehicle wallet (Instruction Manual, Service station and filling stations lists, etc.)
- Vehicle registration papers
- Green insurance card
- International sickness insurance
- Inoculation certificates
- Papers for dog
- Maps
- Camping guide
- Travel information

Vehicle

- Check roadworthiness (oil level, tyre pressures, lights, etc. - see Booklet 3.2), have inspection done if likely to become due.
- Check gas level, change bottle if necess-
- Fill water tank.
- Empty waste water tank.

- Check condition of breakdown tools (ve Mains plugs, if electric connection is hicle tools, spare wheel, towrope, emerg- wanted while travelling ency start cables, torch).
- Put mains supply cable and drum on board, if mains electric is desired on route.

Travelling at home

Overnighting tips

It is advisable to find a place for the overnight stay during the daytime. Otherwise one can get an unpleasant surprise.

The overnighting regulations should be noted.

In Germany one can stay overnight where parking is permitted. However, two overnight stays at the same place can lead to trouble. On no account must the impression be made that one is camping on a public parking site. This means that no washing should be hung out or camping chairs put out.

In Germany there are now a number of camper-friendly places which offer overnight possibilities with facilities for fresh and waste water without having to restrict oneself to camp sites. Further information is available from the VDWH (Association of German Caravan Manufacturers).

Travelling abroad

Before starting the trip get information about special regulations for the Camper in transit and destination countries, such as, for example

- Documents required
- Nationality sign (specified size) at rear of

- Speed limits
- Overtaking restrictions
- Overnighting facilities

In the interests of all touring vehicle drivers please comply strictly with the overnighting regulations in the country in which you are staying. Many of the restrictions and bans set up in recent years have been the reactions of areas and countries concerned to the inconsiderate behaviour of "free" campers.

And finally, two tips for overnighting in countries where "wild" camping (outside camp sites) is tolerated or allowed:

- Experienced "wild campers" surround their site with dry twigs - the cracking gives warning of uninvited guests, regardless whether man or beast.
- For reasons of safety, park the vehicle in the direction of travel. A much faster start is then possible.

Further tips and advice is available from automobile clubs and tourist associations. Book shops also offer a wide range of information.

The following pages contain a summary of overnighting possibilities outside official camp sites in various European countries. The assistance of the German automobile club ADAC in compiling this information is acknowledged.

Overnight parking

Overnight parking in Europe outside official camp sites

Country	on streets within towns		in parking areas and service sta- tions		Comments	
	per- mitted	not per- mitted	per- mitted	not per- mitted		
Austria	•		•		Regional limitations are poss- ible	
Belgium	•		•		Unless there is no local stipula- tion, max. 24 hours	
Denmark		•		•	Short stay only.	
Finland		•		•	Short stay only.	
France		•		•		
Great Britain	•	E	•			
Greece			•		Not allowed on archeological sites, beaches, forests and public places.	
Germany			•		One overnight stay only. The police can enforce local restrictions.	
Italy	•		•		If not restricted by local regula- tions, one night stay only.	

Country	on streets within towns		in parking areas and service sta- tions		Comments	
	per- mitted	not per- mitted	per- mitted	not per- mitted		
Luxemburg		•		•		
Netherlands		•		•		
Norway		•		•	Police approval should be ob- tained for parking on car parks and service stations.	
Spain		• ,	0			
Sweden	•		•		Time limitations are possible.	
Switzerland	•				Varies between cantons. It is advisable to ask the police or local authorities.	

This information is subject to change without notice.

Where can the touring vehicle be parked in a town?

Naturally one can go to a camping site with the Camper, but for many this does away with lots of the attraction of this special vehicle.

Lots of people would like to stay overnight in the middle of the market place, which is possible in some countries.

Here are a few tips for those who like to stay in the town with the Camper:

- Many towns have fairgrounds which may have sanitary facilities.
- A further possibility of overnighting in towns if offered by a sports stadium. You will almost certainly find adequate parking space and in most cases there may also be a park round the area.

 In the town you have the ideal starting point to visit museums, theatres etc. or go out for good meal.

Those who wish to overnight in the centre of a town and do not mind traffic noise can usually find a **guarded parking lot**.

Restaurants at the edge of towns often have large parking lots. Here it will suffice in many cases to have a meal in the evening in the restaurant – and one has permission to stay on the parking lot overnight.

Interior lights

The living area is fitted with different types of lights:

 Above kitchen unit and above seat/reclining seat:

One transistor light with an 11 Watt neon tube.

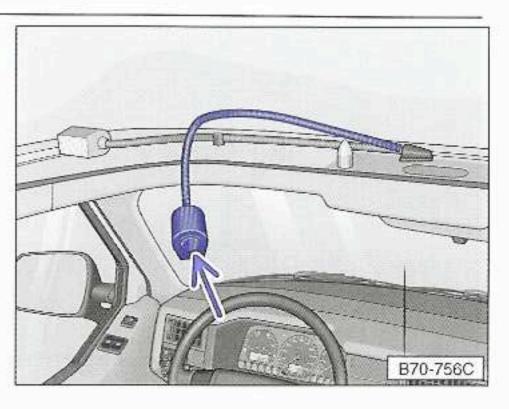
In area of roof:

Halogen light(s*) with 5 Watt light bulb.

The above-mentioned lights can only be switched on and off manually.

Note

The transistor light has a very low current consumption. Despite this, always ensure that the light is switched off when leaving the vehicle or when changing light tubes. This will prevent the additional battery from being drained unnecessarily if the vehicle is not used for some time.



Light in pop-up roof

The light in the roof near the pop-up roof latch can be used for either the roof bed or front seats.

It is switched on and off with a switch located on the back of the lamp (arrow).

When closing the pop-up roof the lamp must be placed flat on the roof (illustration), whereby the swan neck must be pressed into the clip.

B70-755C

Lights in high roof

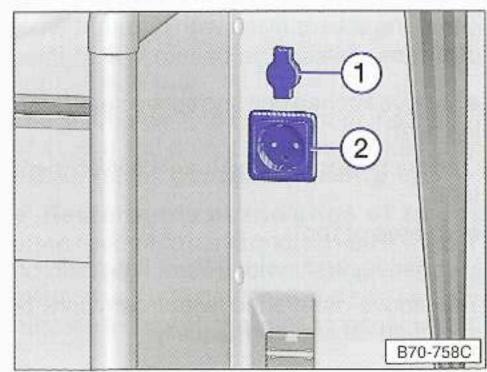
The lights (on sides of roof) can amongst other things, be used for lighting the roof bed.

The lights are switched on and off with the 2 - Normal socket for 230 Volt consumers rotary switch at the rear (arrow).

Note

Changing the bulbs and light tubes - see page 73.

Sockets



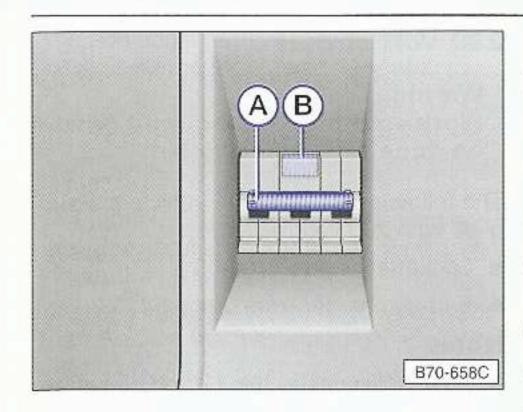
There are two sockets located behind the driver's seat:

- 1 for 12 Volt consumers with a max, input of 90 Watt
- with a max. input of 2000 Watt.

The electrical socket 2 is provided with a child protection facility. For this reason, a certain amount of resistance is felt when inserting a plug.

Depending on equipment fitted, a 230 Volt double socket can also be installed, which has a combined maximum power consumption of 2000 Watt and is fitted with two child

Person protection device



The device is located on the left-hand side wall behind the driver's seat.

This device serves not only to protect persons, it also protects the wiring.

To protect persons it is activated at about 10 mA if there is a fault in the circuit.

For wiring protection the switching off takes place at a higher load (over 13 A) or if there is a short circuit.

It is switched on when the circuit bridge A is at the top.

Every time the mains connection is attached, check that:

- The 230 volt connection is working properly and
- the device itself is functioning by pressing the test button B. The bridge connection A must then flick down.

To switch on again, press the bridge connection up again.

protection facilities. www.westfaliaT4.info - a useful site for enthusiasts and owners of VW Westfalia T4 campers

Electrical system

There are two separate current circuits in the vehicle:

- 12 volts direct current
- 220 volts alternating current

12 Volt circuit

The following items in the living area are supplied in the 12 volt circuit from the additional battery:

- Refrigerator including ventilator see Page 51
- Water pump see Page 34
- Interior lights see Page 59
- Central electronics see Page 26
- Socket see Page 60
- Auxiliary heater (control and blower functions only).

230 Volt circuit

Warning
Work on the 230 volt circuit must
be done by an electrician.

The following items in the vehicle are supplied with 230 volt mains:

- Socket(s*) see Page 60
- Battery charger see Page 64.

Notes

- The appliances in the 12 volt circuit are also supplied indirectly via the charger.
- In order to maintain the voltage of the additional battery, it should be recharged at regular intervals at the 230 Volt connection.

Additional battery

The additional battery is protected against total discharge for at least 4 weeks.

The additional battery is located in a locked battery compartment at the bottom of the clothes cupboard next to the gas bottle retainer.

The battery could be seriously damaged if the total discharge continues for a period longer than 8 weeks.

You can avoid a total discharge by removing the fuses for the following 12 V appliances after charging:

- Central electronics
- auxiliary heater* and
- refrigerator.

For more information see chapter "Fuses" in this manual.

When should the additional battery be charged?

- At regular intervals at the 230 Volt connection.
- After an extended period where the battery has not been used (e.g. seasonal variation) before starting the trip.
- After 4 weeks at the latest using the the installed battery charger for at least 48 hours, if the battery has not already been charged by the alternator of the running enowners of VW Westfalia T4 campers gine.

Notes on replacing the factory fitted additional battery

The battery compartment is only suitable for the factory fitted additional battery (Gel battery) and does not have a ventilation opening.

Gel batteries do not have to be serviced, do not leak electrolyte, are robust and have extremely low gas emissions.

If the additional battery does have to be changed, please note the following points:

Warning

- Only use gel batteries (batteries with gel-like electrolyte) of the same type as the factory approved batteries.
- For safety reasons, standard batteries (batteries with liquid electrolyte) may not be used.
 The battery compartment is not suitable for standard batteries.

Furthermore, an highly explosive gaseous mix is created when charging a standard battery - danger of explosion!

www.westfaliaT4.info - a useful site for enthusiasts and over

Battery charger

The battery charger is located below the refrigerator. It functions automatically:

As soon as the 230 Volt mains connection is made and the person protection device is switched on, it charges the additional battery and maintains the additional batteries at the optimal voltage.

- When vehicle is being driven all the batteries are charged by the engine generator.
- When vehicle stands for long periods without recharging, the battery capacity is limited. Note, for example that when voltage is below 11 volts the heater cannot be switched on.

On Page 26 there is a description on how one checks the aux. battery state of charge.

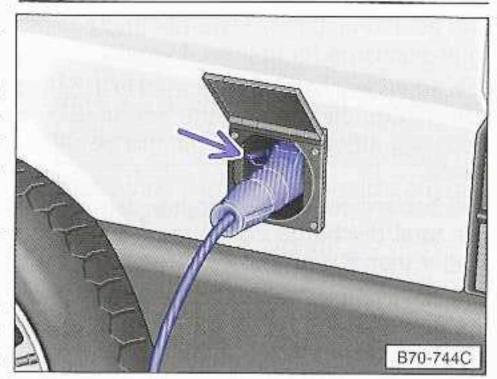
The battery compartment and the battery charging unit are adjusted to suit the factory fitted gel battery.

Warning

- Only use gel batteries (batteries with gel-like electrolyte) of the same type as the factory approved batteries.
- For safety reasons, standard batteries (batteries with liquid electrolyte) may not be used. The battery compartment is not suitable for standard batteries.

Furthermore, an highly explosive gaseous mix is created when charging a standard battery danger of explosion!

External plug



The 230 volt supply is connected via plug and coupling to CEE 17 (European standards).

The external plug is located behind a hinged protective cover rear left side of the vehicle. Connect the vehicle as follows:

- Disengage the cover at the bottom and lift up.
- Connect mains coupling to the external plug. To do this the hinged lid on the coupling must be lifted until it engages behind the lug on the plug.
- Swing the flap of the external socket down to protect the connection.

To detach the connection, reverse the procedure. Note however that before pulling out the plug the blue lever (arrow) to the left of the coupling must be pressed down.

Care of vehicle

Regular and expert care helps to Curtains maintain the value of the vehicle.

pulations for the upholding of warranty claims should corrosion damage and paint defects occur.

Every Volkswagen dealer carries stocks of suitable car care materials. The instructions for use on the container should be followed.

Warning

- If misused, car care materials can be injurious to health.
- · Car care materials must always be stored in a safe place where they are out of the reach of children.

When buying car care materials one should select products which do not damage the environment. Empty containers which these materials were in do not belong with household waste.

Note on cleaning interior

Dirt and water must not be allowed to enter the vents* and the air intake openings* in the vehicle floor. Water must not be allowed to soak in between the floor covering and the vehicle floor as this could lead to damage through corrosion.

Textile covers and carpets

Textile covers and carpets are cleaned with special solutions or with dry foam and a

The curtains should only be dry-cleaned. Furthermore it can be one of the sti- The curtains can, however, be washed according to the instructions on the label which is sewn on to the material.

Furniture

All visible parts are coated with plastic. They are treated and cleaned with normal nonabrasive cleaners.

Refrigerator

To prevent the formation of ice, the refrigerator should be thawed out at regular intervals. To do this, switch off the refrigerator and raise the lid. To prevent damage, thawing out should not be speeded up by using an additional source of heat.

The thawed water must be removed before switching the refrigerator on again.

The refrigerator should be cleaned with water to which a little vinegar has been added.

To prevent mould and damp stains forming when the refrigerator is not used for long periods the lid should be propped open slightly by inserting a towel or cloth which has been folded several times.

Cooker and sink

The enamelled surfaces of the cooker and sink can be cleaned with normal – nonscouring – care and cleaning agents. The grille can be taken off the cooker for cleaning purposes.

When cleaning the gas cooker* one should ensure that the heat sensors on the gas burners are not damaged or bent. The gas burners should be cleaned with a brush at regular intervals.

Central electronics display

To prevent static charging which would make the symbols in the display unrecognizable, only clean the display with antistatic cloth or anti-static cleaning fluid.

Pop-up roof

To prevent condensation and damp stains the roof should be aired regularly and not closed when damp. If the roof has to be closed when wet, at some time or another, it must be opened again as soon as possible and thoroughly dried out.

If the pop-up roof is not used for a long period, e.g. in winter, the bed padding should be taken out or the roof opened from time to time.

High roof* and compact roof*

The plastic parts may only be cleaned with pure soap or with a mild fine washing agent. To avoid damaging the glossy surface of the plastic no agent or solvents, e.g. nail polish remover, may be used.

Windows

The hard glass windows are cleaned as described in Owner's Manual under "windows".

Pop-up windows

Pop-up windows are washed with plenty of water to which a small amount of dish washing fluid has been added. Then, they should be wiped off with a window leather. Small scratches can be removed with a special acrylic glass polishing agent or with brass polish.

Pop-up windows should not be treated with a de-icing spray or scratched with an ice remover.

Exterior

Underbody sealant

The exterior housing of the auxiliary heater and the entire vehicle underside are permanently protected against chemical and mechanical damage, in the same way as the complete vehicle underside.

However, as this protective layer becomes damaged when the vehicle is in use, the protective coating under the body and on the running gear should be examined at defined intervals – preferably before and after the winter season – and any damage made good.

Volkswagen dealers have stocks of the correct compound, have the necessary equipment and are familiar with the application procedure. We advise you therefore to have the patching up or additional coating done by a Volkswagen dealer.

Warning

Never use additional under floor protection or anti-corrosion agents for the exhaust silencer, exhaust pipe, catalysts or heat shields. These substances could ignite whilst the vehicle is in motion.

Note for vehicles with a catalytic converter

Due to the high temperatures which occur in the afterburning process, additional heat shields are fitted over the catalytic converter. Underbody sealant must not be applied to these shields, the catalytic converter or the exhaust pipes. Removal of the heat shields is also not permissible.

Decorative stripes and lettering

The decorative stripes and lettering on the vehicle exterior must not be exposed to high pressure cleaners or tar removing solutions because they may become damaged or detached. Apart from this there is nothing else to consider when cleaning.

Conservation

A good coat of wax protects the vehicle paintwork and the pop-up or compact roof to a large extent against the environmental influences listed under "Washing" in the Owner's Manual and even against light mechanical damage.

At the latest when water on the clean paint does not form small drops and roll off, the vehicle should be protected by applying a coat of good hard wax.

Even when a wax solution is used regularly in the washing water it is advisable to protect the paint and the roof with a coat of hard wax at least twice a year.

Winter operation

Your touring vehicle is fit for use in winter Ventilation subject to certain conditions:

- The fresh water supply and waste water disposal systems will continue to function down to about -5° C if the vehicle is heated continuously (room temperature).
- If the vehicle is not used or is only temporarily used during frosty periods, the fresh water and waste water tanks must be emptied completely.

On winter camping sites we recommend the following:

 Release handbrake so that brake shoes do not freeze on.

It is better to engage a gear or put chocks under the wheels.

- Do not lay mains cable on the ground, otherwise it can freeze on.
- Keep the ground under the vehicle clear so that the auxiliary heater gets sufficient air and the exhaust gases can escape. For this reason do not build a wall of snow round the vehicle.

In winter good ventilation is particularly important. The high level of air humidity caused by breath, cooking vapours, snow brought in and damp clothing must escape. To reduce the air humidity in the Camper we

recommend the use of a dehumidifier.

fied or have parts renewed later on: Always consult a Volkswagen dealer before purchasing accessories - e.g. roof racks to carry or support awnings, bicycles,

skis or surfboards and before any technical modifications are carried out because the Volkswagen Organisation is particularly competent in such matters through close cooperation with us.

Your vehicle is built in accordance with the

most modern principles of safety technol-

ogy and offers therefore a high degree of ac-

tive and passive safety. To ensure that this

remains so the vehicle as supplied by the

factory may not be modified without careful

thought. The following points must be

noted if the vehicle is to be subsequently

fitted with accessories, technically modi-

 Approved Volkswagen accessories and Genuine Volkswagen Parts can be obtained from Volkswagen dealers who will, of course, carry out the fitting correctly.

- Appliances which have been retro-fitted and have a direct influence on the driver's control of the vehicle e.g. cruise control system or electronically controlled shock absorber systems must have the e1) symbol and be authorised for that vehicle.
- Additionally connected electric consumers e.g. refrigerators, horns, fans etc. which are not directly linked to the control of the vehicle must bear the CE2) symbol.

Warning

Accessories, modifications and renewal of parts

- In your own interests we recommend that only expressly ap-Volkswagen proved accessories³⁾ and Genuine Volkswagen parts be used on your vehicle. The reliability, safety and suitability of those parts and accessories have been specially established for your vehicle.
- Despite continuous market observation we cannot assess or accept responsibility for other products, even in cases where an officially recognized permit has been issued.
- Accessories such as telephone retainers or drinks holders must never be attached to the Airbag covers or within their area of effectiveness. They could be a cause of injury if the Airbag is activated during an accident!
- If technical modifications are to be made, our guidelines must be observed. This is to ensure that no damage occurs to the vehicle, that the traffic and operating safety is retained and that the modifications are permissible. Volkswagen dealers will also carry out this work correctly or will recommend a specialist workshop.

³⁾ Not available in all countries.

¹⁾ e - Authorisation symbol of the European Community

²⁾ CE - Manufacturer conformity declaration in www.westfaliaT4.info - a useful site for enthusiasts and owners of VW Westfalia T4 campers the European Community

Awning holder

On the high and compact roof models there are, on the right and left-hand sides at the front and rear of the roof, two threaded holes with plastic screws. These holes are used to secure a sports appliance bracket or a jointed-arm awning which can be cranked out. This awning is available from Volkswagen dealers and it can be installed by them.

Attention

The instructions given by the sports equipment/awning manufacturer must be respected as damage could otherwise be caused to the vehicle and there is also a danger of injury.

Roof carrier*

The roof carrier fitted to the high roof on some model versions has a maximum load of 20 kg.

For safety reasons, this load should never be exceeded.

Notes

 Ensure that the opened tailgate does not knock against the roof load.

Please respect individual country regulations when transporting luggage or bicycles on the rear end of the vehicle. More information can be obtained from the automobile clubs.

Fuses

The individual current circuits are protected by fuses.

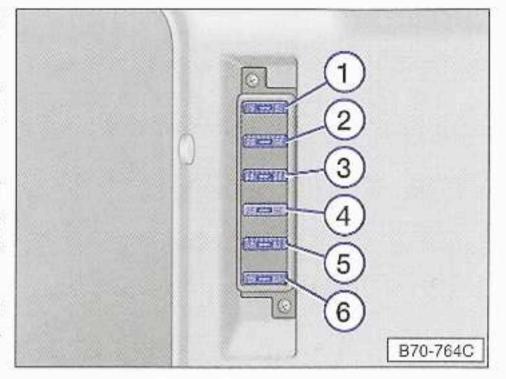
It is advisable to always carry a few spare fuses on the vehicle. These can be obtained from any Volkswagen dealer.

If the newly inserted fuse blows again after a short time, the electrical system must be checked by a Volkswagen dealer as soon as possible.

The electrical appliances in the living area are protected by fuses at the following locations in the vehicle:

Warning

Never, under any circumstances "repair" the fuses or replace them with more powerful ones, as damage in another part of the electrical system could result. This could even lead to a fire.



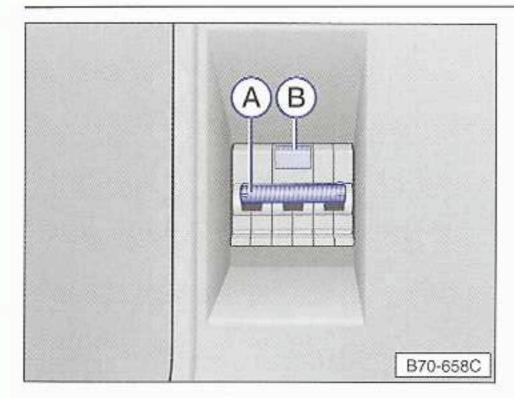
12 volt appliances

1) Ampère

Fuse box is mounted on side wall behind driver's set. It has fuses for:

a 11

MO	. Component A''
1 -	Central electronics 5 A
2 -	Water pump for fresh water 3 A
3 -	Interior lights, socket 7,5 A
4 -	Auxiliary heater 25 A
5 -	Not used
6 -	Refrigerator 15 A



230 volt appliances

These appliances are protected by a safety and person protection device located on side wall behind driver's seat.

A - Switch bridge

B - Test button

The function of the person protection device is detailed on Page 61.

Changing bulbs

Before starting to replace a bulb, you must first always switch off the consumer concerned.

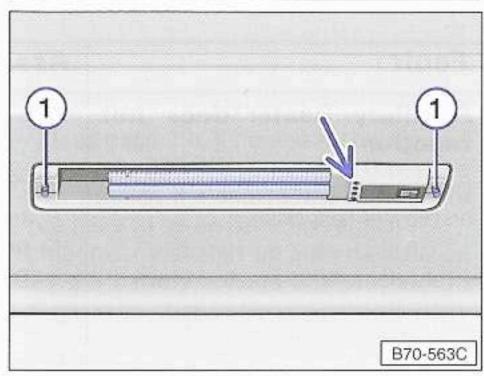
Rear lights

Rear left light

- Remove the base plate of the rear clothes cupboard.
- Remove bulb carrier.
- Press defective bulb into holder, turn it to the left and take it out.
- Insert new bulb and turn fully to the right

Halogen lights

- Disengage lens from light housing.
- Press defective bulb into holder slightly, turn it to the left and take it out.
- Insert new bulb and turn fully to the right
- Refit lens in light housing.



Transistor light

- Unscrew plastic screws 1 in the lens with a screwdriver and take lens off.
- Loosen four screws (arrows) slightly and pull neon tube out to the left.
- Insert new neon tube and retighten screws lightly.
- Install lens and tighten plastic screws lightly.

Fault table

Fault	Assistance
Auxiliary heater*does not function	
Does not start, no blower response.	 Check charge condition of the additional battery (see page 28), charge the batteries if necessary via the 230 Volt connection (see page 64), or by running the engine.
	- Check fuses.
#? •	- Set timer correctly.
The following fault code appears in the central electronics display:	
F13	 Switch off the heating, free air intake vent or warm air vent of any obstructions (see page 31) and switch the heating back on.
F52, F53, F54, F55 or F56	 Switch the heating off and wait until the auxiliary heater blower is no longer running. Then switch it on again. Do not, however, repeat this procedure more than twice. Check the fuel level if the heating still does function.
All other fault codes	 Make a note of the fault code, switch off the heating and go to a Volkswagen dealer.
Symbol 3 flashes in the timer display	 Switch off the heating, free air intake vent or warm air vent of any obstructions (see page 31) and switch the heating back on. Do not, however, repeat this procedure more than twice. Go to a Volkswagen dealer if the symbol continues to flash.

Fault	Assistance				
Refrigerator does not function	battery batteri 64), or does n The re	battery (see page 28), if necessary charge the batteries via the 230 Volt connection (see page 64), or by running the engine (the refrigerator does not have to be switched on again). The refrigerator will start up automatically as soon as the battery voltage has reached 13			
	- Check	ruses.			
Charge unit does not charge		whether the 230 connection is at the protection device (see page 61).			
Water pump for fresh water does not function	battery batteri	the charge condition of the additional (see page 28), if necessary charge the es via the 230 Volt connection (see page by running the engine.			
	- Check	fuses.			
		ter, check whether the fresh water sys- frozen.			

If these individual remedies do not meet with success, your Volkswagen dealer will be pleased to help.

If these individual remedies do not meet with success, your Volkswagen dealer will be pleased to help.

www.westfaliaT4.info - a useful site

Performance

The performance figures were measured without the vehicle being fitted with any equipment such as air conditioner, mud flaps, very wide tyres etc. which affect the performance.

Top speed in km/h		Pop-up roof	Compact roof	High roof			
Petrol engines							
62 kW	MG	141					
85 kW	MG	161	161	150			
	AG	157	157	146			
	SY	159	159	148			
103 kW	MG	171	171	160			
	AG	167	167	156			
Diesel engi	nes						
50 kW	MG	130	_				
55 kW	MG	134	134	124			
65 kW	MG	146	146	136			
75 kW	MG	154	153	143			
	AG	149	149	139			
	SY	151	151	141			

MG = Manual gearbox

AG = Automatic gearbox

SY = Manual gearbox with syncro

Weights

	Pop-u	ip and Co roof	ompact	High roof		
in kg	50 and 62 kW	55 and 85 kW	65, 75 and 103 kW	50 and 62 kW	55 and 85 kW	65, 75 and 103 kW
Permissible Gross Vehicle Weight	2785	2800	2800	2785	2800	2800
Unladen weight ¹⁾ with driver	2035	2110	2140	2095	2170	2200
Payload ¹⁾	750	690	660	690	630	600
Permissible front axle load	1400	1480	1510	1400	1480	1510
Permissible rear axle load	1490	1490	1490	1490	1490	1490
Permissible roof load	50 ²⁾	50 ²⁾	50 ²⁾	50	50	50
	1					

The unladen weight increases on vehicles ... with four-wheel drive by 100 kg, ... with automatic gearbox by 30 kg and reduces the payload accordingly.

- with roof open, 15 kg max.

Notes

The weights given apply to vehicles sold in Germany. In other countries, differing equipment may result in deviations. The figures given in the official vehicle documents take priority.

 Other model versions and optional extras – e.g. air conditioner, sliding roof, towing bracket etc. and service installation of accessories increases the unladen weight and the payload has to be reduced by this • When carrying heavy loads, the load should, in the interests of good handling, be placed, where possible, between the axles. The permissible axle and gross vehicle weights must not be exceeded on any account. Bear in mind also that the load will alter the vehicle handling. Driving style and speed must therefore be adapted to suit.

Roof load for vehicles with pop-up roof: – with roof closed, 50 kg max.

Fuel consumption

The consumption and emission values have **Note** been compiled according to the measuring regulation 93 / 116 / EG and take the actual empty vehicle weight into account (weight class). Two measuring cycles are carried out on a rolling test bed to determine fuel consumption. For this purpose, the following test conditions were applied:

- The measurement of the Urban cycle (in the town) begins with a cold engine start. Normal town driving is then simulated.
- In the extra urban cycle (outside of towns) the vehicle is constantly accelerated and braked in all gears to simulate normal use. The speed varies between 0 and 120 km/h.
- The calculation of the combined figure is weighted 37 % for the urban cycle and 63 % for the country cycle.
- In order to calculate the CO₂ emissions, exhaust fumes are collected during both cycles (which are carried out on a rolling road test bed to simulate normal use). The exhaust gases are then analysed and the CO2 emissions value, amongst other values, is determined.

- The consumption and emissions values in the following tables are applicable for the empty vehicle weight with normal or pop-up roofs. The CO2 emissions and fuel consumption values may increase slightly on vehicles with a high or compact roof. Your Volkswagen dealer will be able to inform you of the figures applicable to your vehicle.
- According to driving style, road and traffic conditions, environmental considerations and the condition of the vehicle, values could be determined in actual use which differ from the values determined according to the measuring regulation.

		Unladen weight	in	ltr / 100	km	CO ₂ Emission
		in kg	Urban	Extra Urban	Com- bined	in g / km
Petrol	engine	s				
62 kW	MG	over 2075	15.0	9.6	11.6	278
85 kW	MG	over 2075	17.6	10.0	12.8	307
	AG	over 2075	18.4	11.0	13.6	326
	SY	over 2075	17.8	10.2	13.0	312
103 kW	MG	over 2075	16.2	9.6	12.0	288
	AG	over 2075	17.9	10.6	13.2	317
Diesel	engine	s				
50 kW	MG	over 2075	10.4	7.5	8.7	235
55 kW	MG	over 2075	12.6	8.0	9.6	259
65 kW	MG	over 2075	10.3	7.1	8.3	224
75 kW	MG	over 2075	10.1	7.0	8.1	219
	AG	over 2075	11.4	7.6	8.9	240
	SY	over 2075	13.8	8.2	10.0	270

MG = Manual gearbox

AG = Automatic gearbox

Dimensions

	Pop-up roof	Compact roof	High roof
Values ¹⁾ in mm	all engines	all engines	all engines
Wheelbase	2920	2920	2920
Length ²⁾	4789	4789	4789
Width	1840	1840	1840
over the mirrors	2175	2175	2175
Height approx.	1990	2385	2570
Height with roof up approx.	2800		-
Standing height approx.	1450	1820	2050
Standing height with roof up approx.	2110		-
Bed measure- upper ments	1840 x 1060		1900 x 1090
lower	1940 x 1170	1940 x 1170	1940 x 1170

The details given refer to the basic model (also applies to syncro models). Special model versions and optional extras – e.g. different wheel sizes – can result in deviations.

		Pop-up roof	Compact roof	High roof	
Values ¹⁾ in mm		all engines	all engines	all engines	
Overhang	front	968	968	968	
	rear	901	901	901	
Track ²⁾	front	1589	1589	1589	
	rear	1554	1554	1554	
Turning circle	in m	11.7	11.7	11.7	
Fording depth	1	350	350	350	
Ground cleara	ince ³⁾	180	180	180	

The details given refer to the basic model (also applies to syncro models). Special model versions and optional extras – e.g. different wheel sizes – can result in deviations.

- 2) Measured on vehicles with wheel offset of 55 mm. Depending upon model and wheels slight deviations are possible
- When loaded to permissible GVW. When negotiating steep ramps, driving over poor surfaces, curbs etc., particularly with vehicles with a spoiler and heater mounted underneath the floor, care must be taken not to "bottom" and thus cause damage to these fittings.

This value increases by approx. 230 mm on vehicles with a spare wheel carrier at the rear.

Living area

Electrical system
12 Volt network
Additional battery 80 Ah
- with auxiliary heating* 135 Ah
Power input for electrical consumers
- Refrigerator max. 54 Watt
Refrigerator ventilator 5 Watt
- Water pump for fresh water 15 Watt
 Interior lighting
Transistor lights each 11 Watt
Halogen lights 5 Watt
230 Volt network
Frequency 50 Hz
Person protection device
-Wiring protection 13 Amp
-Person protection 10 mA
Charger for addit. battery max. 9 A

Liquid gas system*

 GAZ butane gas bottle, size 907 with pressure regulator and safety valve
Capacity 2,8 kg
Operating pressure 30 mbar
 Butane gas bottle¹⁾ corresponding to specification NFS 56-200, with pressure regulator (28 mbar)
Capacity 2.8 kg
Operating pressure 28 mbar
Gas cooker*

high power max. approx. 140 g/h

low power max. approx. 140 g/h

1) For certain countries only

Gas consumption

- Left flame

Right flame

Methylated spirit system*

Methylated spirit cooker

Max. fuel consumption	n
per flame	approx. 0.27 litres/hr
Fuel capacity	
for each burner	approx. 1.2 litres

Refrigerator

Voltage	12 Vol
Regulated temperature	
Refrigerator capacity	. 40 ltr

Water supply

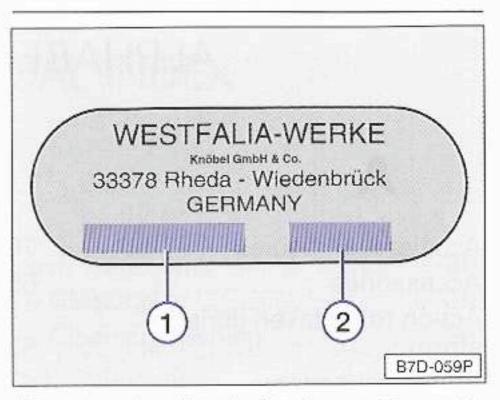
 Fresh water tank with immersed electric pump, in stowage box at rear right.

Fresh water tank approx 25 ltr.

Water disposal

 Waste water tank behind kitchen unit with emptying valve inside left hand kitchen cupboard.

Type plate for interior equipment



The type plate for the interior equipment is located near the locking column of the sliding door.

- 1 Model code number
- 2 Equipment number

Please quote the model code number and equipment number for all reorders or when purchasing new articles of equipment for your touring vehicle via your Volkswagen dealer.