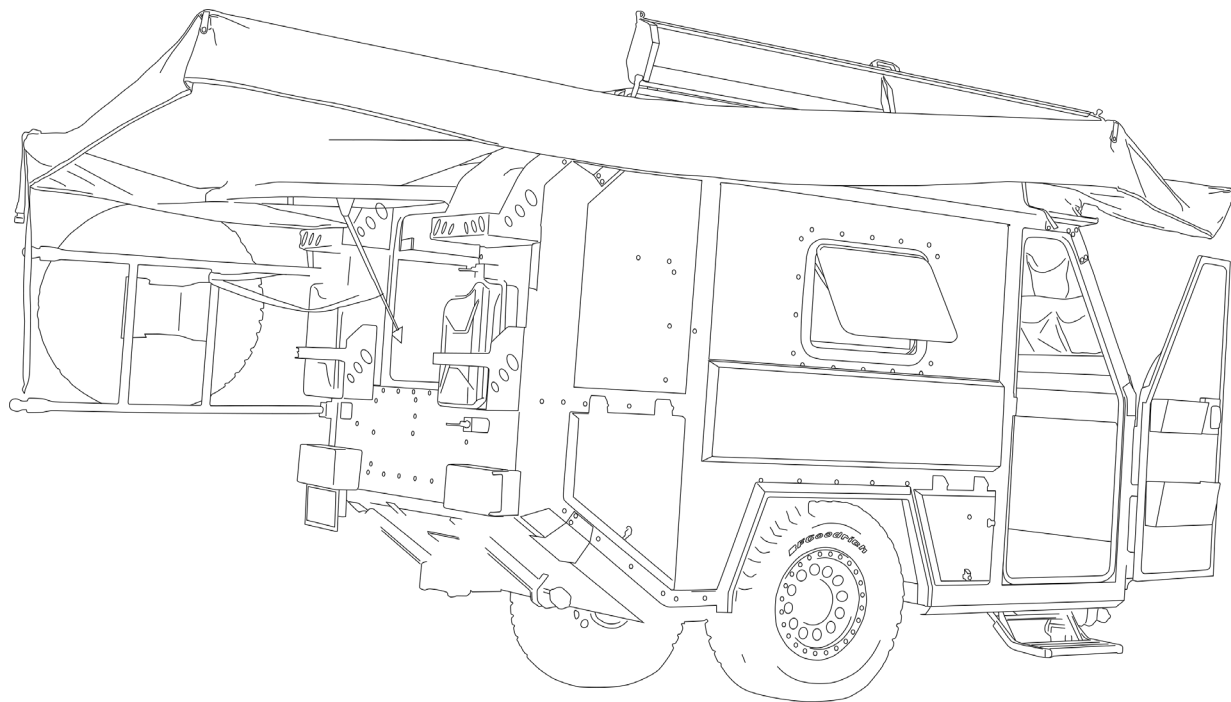


# TRC458



**EN**  
**User Manual**  
Keep inside the caravan.

# TRC458

## Index

EN

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Protects against dangers.



Information and tip including warning.



Optional equipment.

# TRC458

## Equipment List

### EQUIPMENT LIST

#### 1. Exterior Design

- Door Flyscreen Zipped Shelves
- Double Side Windows with Flyscreen and Curtain
- Side Entrance Door
- Side Toilet/Bathroom Entrance Door
- Rear Kitchen Cover
- Fixing Stands with Adjustable Height (4 Pcs)
- Expandable Pop-up Roof System with Windows
- Chrome Locks
- Chrome Door Stoppers
- Chrome Hinges
- External Fuel Bins Black (2 Pcs)
- Was Rear LED Lights
- Was Side Marker Lamps
- Rear Triangle Reflector (2 Pcs) (For Only Europe)
- Yellow Reflector (For Only Europe)
- Storage Cabinets
- Front Gas Bottle and Storage Compartments
- Outside LED Lighting
- \* *Adjustable Dynamic Air Suspension*
- \* *Alko or Winterhoff Coupling Lock*
- \* *Truma Mover XT2 (Mobility Without A Towing Vehicle)*
- \* *Rear Light Protector (Black)*
- \* *Crawler 270 Degree Premium Tent (Mouse Grey)*
- \* *External Chrome Fresh Water Tank (Price Difference)*
- \* *External Portable Kitchen (It is recommended to be used with Gas Outlet For BBQ Grill)*

- \* *Thule Electrical Step*
- \* *Projector Lightening (Exterior, Right & Left)*
- \* *Come Up Winch or Equivalent (12000Lb)*
- \* *Chrome Spare Wheel & Spare Wheel Holder with or without External Premium Shower*

#### 2. Interior Design

- Electrostatic Powder Coating (Cabinet and Interior Walls)
- Ceramic Based Insulation Coating
- Fabric Hanging Pockets
- Carpet Covering Over PVC Coating Floor
- Storage Lockers
- Zipped Shelves
- Door Flyscreen
- Side Door Storage Compartments
- 4 Connection Pointed Storage Organizer with Belt
- Secondary Bed Area Ladder
- Upper Bed Exit Stair
- \* *Gun Holder*

#### 3. Kitchen Area

- Kitchen Inside/Outside Accesible
- Chrome Kitchen Countertop
- Fixed Chrome Kitchen Sink
- Double Stoves and Pot Holder
- Chrome Water Tap
- Kitchen Cupboards and Drawers

### 3a. Refrigerators

- \* Berhimi 50 Refrigerator
- \* Dometic 65 Refrigerator
- \* Engel 57 Refrigerator

### 4. Sitting and Sleeping Area

- 6 Person Seating Area
- Seat and Back Cushions
- Foldable Internal Table
- Primary Bed Area (200 x 160 cm)
- Secondary Bed Area (Top Opening 200 x 150 cm)

### 5. Bathroom / Toilet

- Aluminium External Door
- Zipped Premium Internal Door
- Compact Laminate Flooring
- Portable Shower Sink
- Shower Head
- Coating Fabric Hanging Pockets

### 6. Electric / Electronic / Control System

- 6 Buttons Analog Control Panel
- Battery (90A)
- Adjustable LED Internal Lighting with Remote Control
- Victron Blue Smart Charger (10 Amper)

- USB Outlets
- 12v Power Outlet
- Interior Lighting Leds
- 13 PIN Socket (For Only Europe)
- \* Victron Energy 220 Ah Battery (Price Difference)
- \* Schmid Solar Panel 325W & Charge Regulator
- \* Crawler Smart Panel

### 7. Water System

- Water Pump (19 Lt/Min)
- Water Level Gauge
- Chrome Fresh Water Tank (114 Lt)
- Chrome Grey Water Tank (33 Lt)
- Black Water Tank (17 Lt)
- Chrome Water Filler Cap
- Water Drain Valve
- \* Extra Gray Water Tank 17L (Crawler Smart Panel is Mandatory)
- \* Water Anti Freeze System

### 8. Heating / Cooling / Gas System

- Copper Gas System
- Truma Double Gas Valve (Or Similar)
- Gas Detector
- \* Gas Outlet For BBQ Grill
- \* Eberspacher D4 Airtronic Air Heater (Diesel)
- \* Truma Box Type Air Conditioner
- \* Truma Combi 4 Air & Water Heater
- \* Truma Boiler (Water Heater)

# TRC458

## Safety

### Safety Precautions

Many things can be construed as safety related, but the most important is your common sense. If you are careless with matches, cigarettes, flammable material, or any other hazardous material, you surely realize your potential for accidents is greatly increased.

You will find many safety recommendations in this section and throughout the manual. The following recommendations are the ones we consider to be the most important.

### Transporting of Passengers

The transporting of people in the trailer puts their lives at risk and may be illegal. The trailer does not have seat belts, therefore, it is not designed to carry passengers.

### Towing and Weight Distribution

Weight distribution is an important factor when loading your travel trailer. A recreational vehicle with the cargo distributed properly will result in efficient, trouble-free towing.

### Controlling Sway

Sway or fishtailing is the sideways action of a trailer caused by external forces. Excessive sway of your travel trailer can lead to the rollover of the trailer and tow vehicle, resulting in serious injury or death.

### Lug Nut Torquing

Making sure wheel mounting nuts (lug nuts) on trailer wheels are tight and properly torqued is an important responsibility that trailer owners and users need to understand and practice. Inadequate and/or inappropriate wheel nut torque (tightness) is a major cause of lug nuts loosening in service. Loose lug nuts can rapidly lead to a wheel separation resulting in potentially serious safety consequences.

### Tire Safety

Properly maintained tires improve the steering, stopping, traction, and load-carrying capability of your vehicle.

### Appliances and Equipment

The appliances (stove, refrigerator, etc.) and equipment (hot water heater, furnace, etc.) typically operate on LP gas. LP gas is flammable and is contained under high pressure. Improper use may result in a fire and/or explosion. Make sure to follow all instructions and warnings in this manual as well as those in the specific owner's manuals of the appliances and equipment.

### Mold

Mold and mold spores exist throughout indoor and outdoor environments. There is no practical way to eliminate all mold and mold spores in the indoor environment, however, the way to control indoor mold growth is to control moisture.

## **Chemical Sensitivity and Ventilation**

### **Chemical Sensitivity**

Immediately after the purchase of your new recreational vehicle, and sometimes after it has been closed up for an extended period of time, you may notice a strong odor and/or experience a chemical sensitivity. This is not a defect in your recreational vehicle. Like your home, there are many different products used in the construction of recreational vehicles, such as carpet, linoleum, plywood, insulation, upholstery, etc. Formaldehyde is also the by-product of combustion and numerous household products, such as some paints, coatings, and cosmetics. However, recreational vehicles are much smaller than your home and therefore, the exchange of air inside a recreational vehicle is significantly less than in a home. These products, when new or when exposed to elevated temperatures and/or humidity, may off-gas different chemicals, including formaldehyde. This off-gassing, in combination with the minimal air exchange, may cause you to experience irritation of the eyes, nose, and throat and sometimes headache, nausea, and a variety of asthma-like symptoms. Elderly persons and young children, as well as anyone with a history of asthma, allergies, or lung problems, may be more susceptible to the effects of off-gassing.

### **Formaldehyde**

Formaldehyde is a naturally occurring substance and is an important chemical used widely by industries to manufacture building materials and numerous household products. It is also a by-product of combustion and certain other natural processes. Thus, it may be present inside the trailer and some individuals may be sensitive to it. Ventilation of the unit normally reduces the exposure to a comfortable level.

Trace levels of formaldehyde are released from smoking, cooking, and use of soaps and detergents, such as carpet shampoos, cosmetics, and many other household products. Some people are very sensitive to formaldehyde while others may not have any reaction to the same levels of formaldehyde. Amounts released decrease over time.

Your Crawler trailer was manufactured using low formaldehyde-emitting (LFE) wood products, use of which is typical in the recreation vehicle industry. Formaldehyde has an important role in the adhesives used to bind wood products used in recreation vehicles. The wood products in your trailer are designed to emit formaldehyde at or lower than industry guidelines and should not produce symptoms in most individuals.

While LFE wood products typically do not emit formaldehyde at a level that would cause symptoms in most individuals, it is possible, though not likely, for that to occur when the trailer is not properly ventilated. Ventilation is an essential requirement for trailer use, for many reasons. Any effects of formaldehyde can be greatly reduced by actions such as opening windows, opening roof vents, running the air conditioner, or some combination thereof. In addition, the emission of formaldehyde by these products naturally decreases rapidly over time.

Crawler strongly suggests you take measures to properly ventilate your trailer on a regular basis. If you have any questions with respect to proper ventilation of your trailer, please do not hesitate to contact your Crawler dealer.

# TRC458

## Safety

### Ventilation

To reduce or lessen exposure to chemicals from off-gassing, it is of utmost importance that you ventilate your recreational vehicle. Ventilation should occur frequently after purchase and at times when the temperatures and humidity are elevated. Remember, off-gassing is accelerated by heat and humidity.

Open windows, exhaust vents, and doors. Operate ceiling and/or other fans, roof air conditioners, and furnaces, and use a fan to force stale air out and bring fresh air in. Decreasing the flow of air by sealing the recreational vehicle increases the formaldehyde level in the vehicle's indoor air.

### Do Not Smoke

It is recommended you do not smoke inside your recreational vehicle. In addition to causing damage to your recreational vehicle, tobacco smoke releases formaldehyde and other toxic chemicals.

### Medical Advice

Questions regarding the effects of formaldehyde on your health should be submitted to your doctor or local health department.

### Alarms and Detectors

#### Liquid Propane Gas (LPG)/Carbon Monoxide (CO) Detector

This detector has a five-year life; see end-of-life notification in the detectors manual. Please read the entire detector manual before operating the unit.

The LPG/CO detector is located in the galley area. LPG is a mixture of gases produced and sold commercially as a fuel for heating and cooking appliances. LPG is highly flammable and, as a result, can be explosive if ignited under certain circumstances. LPG is heavier than air and, if confined in a closed space, will accumulate close to the floor. The LPG/CO detector is designed to alarm when propane gas exceeds 10% of the lower-explosive-limit for more than 30 seconds or if CO gas reaches unsafe levels. When propane gas is detected the horn will sound with constant beeps and the red LED will be on. If CO gas is detected the horn will sound with 4 rapid chirps followed by a 4 second pause and the red LED will flash rapidly.

Your LPG/CO detector is wired directly to your trailer battery and incorporates a 1-amp, in-line fuse. It has no internal battery backup. In normal stand-by mode, the LED indicator will be green.



### **Low Voltage**

The operating voltage for the detector is 12 VDC. The actual voltage supplied to the detector in a recreational vehicle may drop below the minimum 8 VDC. The detector provides the user with a low voltage warning before reaching that level and will provide additional distinct, clear warnings and alarms after the 8 VDC level is reached. However, if available power supplied to the unit is below the operating voltage of 8 VDC, the detector will not detect gas or provide protection against dangerous levels of LPG.

#### **NOTE**

If the low voltage warning sounds, the detector will need to be reset by disconnecting the battery, before normal operation will occur.

### **Warning**

Activation of this detector indicates the possible presence of LPG, which can cause an explosion and/or fire, causing serious injury or death. This normally indicates a leak in the LPG installation or an LPG appliance. Extinguish all open flames, open your windows and door, and evacuate the unit immediately. Do not activate any electrical switch. Turn off the LPG at your gas tank(s). Do not re-enter your unit until a qualified repair technician has corrected the problem and certified the system as safe.

### **Warning**

It is not recommended that the detector be disconnected from the battery during periods of storage. There is a small heater on the sensor of the device that burns away impurities in the air during periods of normal use. During periods when power is interrupted, impurities can build up on the sensor. When power is returned to the detector, the detector alarm may activate until the impurities are burned off. This could take a number of hours, during which time the alarm will be constantly on.

### **Warning**

Failure to replace this product by the "REPLACE BY DATE" printed on the alarm may result in death by Carbon Monoxide poisoning. Replace By Date is five (5) years from the date of manufacture.

### **Warning**

Activation of your Carbon Monoxide alarm's audible horn indicates the presence of Carbon Monoxide that can kill you. Leave the area immediately!

### **Warning**

This product is intended for use in ordinary, indoor locations of family living units. It is not designed to measure compliance with occupational safety and health administration (OSHA) commercial or industrial standards. Individuals who are at special risk from Carbon Monoxide exposure by reason of age, pregnancy, or medical condition may consider using warning devices which provide audible and visual signals for Carbon Monoxide concentration under 30 ppm. If in doubt, consult your medical practitioner.

# TRC458

## Safety

### Important Safety Precautions

- Carbon Monoxide is produced by the incomplete combustion of fuels such as wood, charcoal, coal, heating oil, paraffin, gasoline, natural gas, propane, butane, etc.
- Ideally, it is recommended that a Carbon Monoxide detector should be installed in or near every room that has a fuel burning appliance such as any room heaters, water heaters, cookers, grills, etc.
- Ensure that the alarm horn can be heard by all those who are intended to hear it. Seek medical help if it is suspected that a user of the RV is suffering from Carbon Monoxide poisoning.
- If the alarm sounds, make sure to investigate the problem. Ignoring the alarm may result in sickness, injury, or death. (CO may be present even if nothing is seen or smelled by the user.)
- Room spaces should be well ventilated when household cleaning supplies are used as these may cause a false alarm.

### What Is Carbon Monoxide

Carbon Monoxide (CO) is a highly poisonous gas that is released when fuels are burned. It is invisible, has no smell, and is therefore, very difficult to detect with the human senses. Under normal conditions, in a room where fuel-burning appliances are well maintained and correctly ventilated, the amount of CO released into the room by appliances is not dangerous.

These fuels include: wood, coal, charcoal, oil, natural gas, gasoline, kerosene, and propane. Common appliances are often sources of CO. If they are not properly maintained, are improperly ventilated, or malfunction, CO levels can rise quickly. CO is a real danger in air-tight trailers with added insulation, sealed windows, and other weatherproofing that can trap CO inside.

### Overnight Stop

Crawler owners have parked virtually in every place imaginable, from filling stations to farmlands. In time, you'll develop a knack for spying wonderful little roadside locations by turning off the main highway and exploring. There are many modern parks, including State, County, and Federal parks with good facilities where you might obtain hookups of electrical, water, and sewer connections. Directories are published which describe in detail these parks and tell what is available in the way of services and hookups. On overnight or weekend trips, chances are you will not use up the capacity of the sewage holding tank, deplete the water supply, or run down the batteries that supply the 12-volt current. On a longer trip, when you have stayed where sewer connections and utility hookups were not available, it will be necessary for you to stop from time to time to dispose of the waste in the holding tank and replenish the water supply. Many truck stops and gas stations, chain and individually owned, have installed sanitary dumping stations for just this purpose. Booklets are available that list these dumping stations. When stopping for the night, your Crawler is built to be safely parked in any spot that is relatively level and where the ground is firm. Your facilities are with you. You are self-contained. Unless the tow vehicle is needed for transportation, it is not necessary to unhitch.

## Extended Stay

Making a long trip in your Crawler is not very different from making a weekend excursion. Since everything you need is right at hand, you are at home wherever you go. When packing for an extended trip, take everything you need, but only what you need.

When you plan to stay in the same place for several days, weeks, or months, you will want your trailer to be as level and steady as possible.

## Effects Of Prolonged Occupancy

Your trailer was designed primarily for recreational use and short-term occupancy. If you expect to occupy the trailer for an extended period, be prepared to deal with condensation and the humid conditions that may be encountered.,

Moisture can condense on the inside surfaces of the trailer during cold weather when relative humidity of the interior air is high. This condition is increased because the insulated walls of a RV are much thinner than house walls. Also, the relatively small volume and tight, compact construction of modern RVs means that the normal living activities of even a few occupants will lead to rapid moisture saturation. Estimates indicate that a family of four can vaporize up to three gallons of water daily through breathing, cooking, bathing, and washing. Unless the water vapor is carried outside by ventilation, or condensed by a dehumidifier, it will condense on the inside of the windows and walls as moisture, or in cold weather, as frost or ice. It may also condense out of sight, within the walls or the ceiling, where it will manifest itself as warped or stained panels. Appearance of these conditions may indicate a serious problem. When you recognize the signs of excessive moisture and condensation in the trailer, action should be taken to minimize their effects.

## Tips To Controlling Condensation

Allow excess moisture to escape to the outside when:

- Bathing
- Washing dishes
- Hair drying
- Cooking

Avoid dead air spaces by:

- Using a fan to keep air circulating.
  - Leaving closet and cabinet doors partially open.
- To help alleviate cold weather condensation:
- Keep the temperature as reasonably cool during cold weather as possible.
  - Allow your Caravan to breathe; do not make it airtight.
  - Allow some warm air to be removed and some cool outside air in.
  - Do not allow the furnace to recycle humid interior air, and provide reasonable ventilation.

## NOTE

Your trailer is not designed, nor intended, for permanent housing. Use of this product for long-term or permanent occupancy may lead to premature deterioration of structure, interior finishes, fabrics, carpeting, and drapes. Damage or deterioration due to long-term occupancy may not be considered normal, and may, under the terms of the warranty, constitute misuse, abuse, or neglect, and may therefore reduce the warranty protection.

# TRC458

## Safety

### Molds

Molds are microscopic organisms that naturally occur in virtually every environment, indoors and out. Outdoors, mold growth is important in the decomposition of plants. Indoors, mold growth is unfavorable. Left unchecked, molds break down natural materials, such as wood products and fabrics. Protect your investment by understanding the potential risks that mold imposes.

### Contributing Factors To Mold Growth

For mold growth to occur, temperatures, indoor or outdoors, must be between 40° and 100°F, and must also have a source of moisture, such as humidity, standing water, damp materials, etc. Indoors, the most rapid growth occurs with warm and humid conditions.

#### Inhibiting Mold Growth

By controlling relative humidity, the growth of mold and mildew can be inhibited. In warm climates, use of the air conditioner will reduce the relative humidity. Vents are located in the bathing and cooking areas. Constant use of these vents is advised during food preparation and bathing, even during colder weather. Additionally, opening a window during these activities will assist in ventilation. In extremely humid conditions, the use of a dehumidifier can be helpful.

Frequent use of your trailer, or cleaning regularly,

are important preventive measures. Additionally, any spills should be wiped up quickly and dried as soon as possible. Avoid leaving damp items lying about. On safe surfaces, use mold or mildew-killing cleaning products. Check sealants regularly, and reseal when necessary to avoid water leaks. Proper preventive maintenance to the trailer and its accessories, as described both in this manual and in accompanying literature, will provide the best protection to the trailer.

### Winter Traveling

Traveling in sub-freezing temperatures will require certain precautions to protect the plumbing system and your personal belongings from being damaged by freezing.

Whenever possible, the heat should be kept set to a constant temperature. It is easier for the furnace to keep a constant room temperature than allow the caravan temperature to drop to 50°F, then attempt to raise it to room temperature. Some states do not allow LPG to be turned on while moving. While traveling in these states, simply use your common sense. How cold is it? How long will it be before you can turn the heat back on? Is the temperature dropping or rising? Remember, when towing at 50 MPH, the wind chill factor will cause the interior of the trailer to cool much faster than a parked trailer.

When parked in sub-freezing temperatures, make sure to keep a full supply of LPG or Diesel and plug into a 120-volt power source whenever possible. Leave cabinet doors, wardrobes, and bed doors partially open to allow warm air to circulate around plumbing lines and fixtures. Insulate and/or wrap your exterior water lines with heat tape.

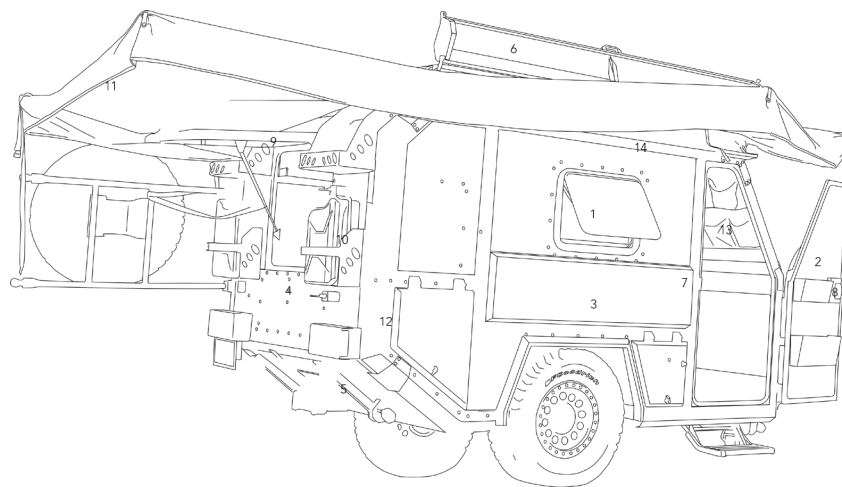


# TRC458

## Setup Numbering

1. Left And Right Windows with Mosquito Screen and Curtain
2. Side Entry Hatch
3. Side Wc Entry Hatch
4. Rear Kitchen Hatch
5. Height Adjustable Stabiliser Legs (4)
6. Openable and Sleeping Area Roof Pop-up System with Window
7. Chrome Plated Locks

8. Chrome Door Stopper
9. High Angle Chrome Hinge
10. Extra Fuel Canister Black Color (2 Pieces)
11. Was Led Stop Lamp
12. Was Side Track Lights
13. Wardrobes
14. Outdoor Led Lighting



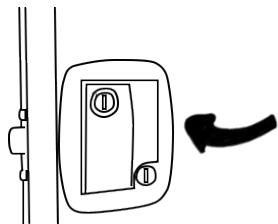
# TRC458

## TRC458's Setup

### Opening the TRC458

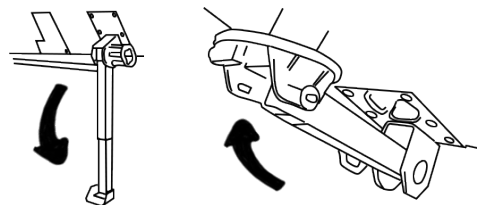
#### 1. Unlocking

Turn the lock with the TRC458's door key. It has two, upper and lower locks. Turn it open. It opens the same key in both locks.



#### 2. Fixing the stabiliser legs

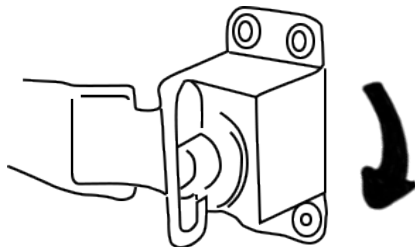
Bring it to the desired height with the help of the wheel wrench used for fixing the feet with your key.





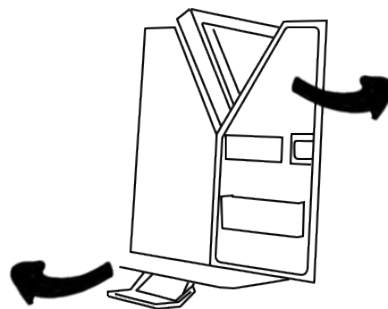
### 3. Opening the spare wheel, installing the lock

Open the spare wheel located at the rear of the TRC458 by pushing its switch forward. When installing the lock, do not forget to install it as shown.



### 4. Entry door and Ladder opening

Open the entrance door to the side. After opening, lower the ladder. Press and hold the button on the left side to descend the ladder.

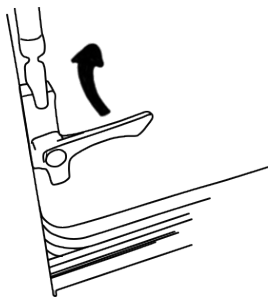


# TRC458

## TRC458's Setup

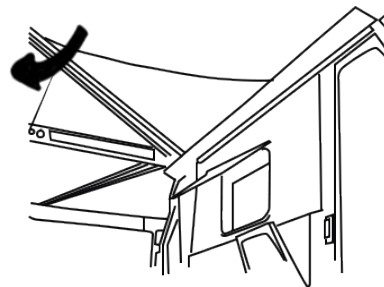
### 5. Opening the windows

The windows have a triple lock. While unlocking, turn the keys to the left while holding down the red pins.



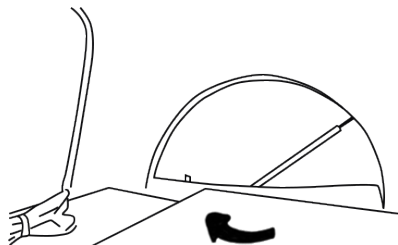
### 6. Opening the top awning

To open the awning, first unlock the awning. After unlocking, slide the awning section to the side.



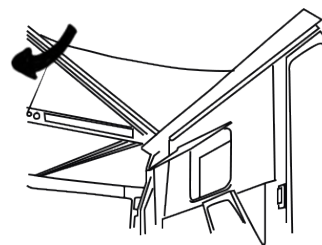
### 7. Upper bearing opening

Remove the lock pins before opening the bearing.



### 8. Opening the side awning

After opening the tarpaulin, open the top two legs. Don't forget to pin.

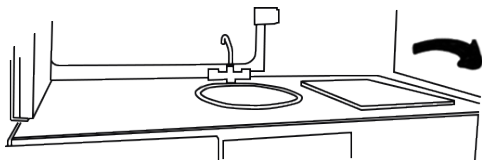


# TRC458

## TRC458's Setup

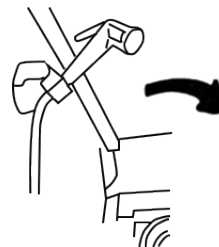
### 9. Opening the kitchen section

When using the outdoors kitchen, lift the sink and open the hatch of the cooker.



### 10. Opening the shower area

Move the shower head to the same position as shown.

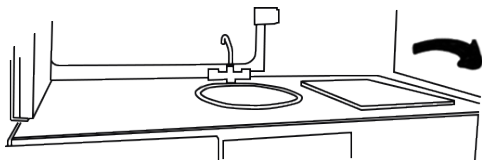


## TRC458's Recollection

### 1. Closing off the TRC458

#### 1. Assembling the Cooker Kitchen Section

When closing the outdoors kitchen lower the sink and close the hatch of the cooker.



### 2. Closing the top awning

To close the top awning, first close the awning lock. Gather the awning section in one place after closing the lock.

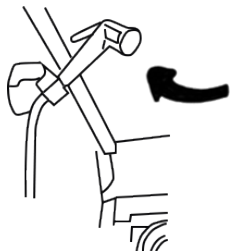


# TRC458

## TRC458's Recollection

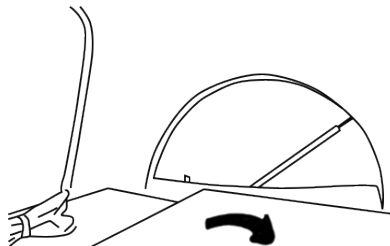
### 3. Closing the shower area

First you grab the right iron, then the left iron. When assembling the shower curtain, roll it up and fasten it with black tape. Then replace the iron.



### 4. Assembling the bed part

Put the cushions on the inner bed as shown in the picture. Replace the pins after closing the bearing section.



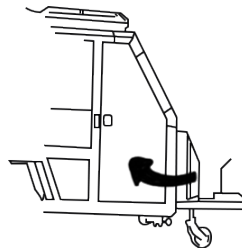
### 5. Closing the side awning

Remove the materials inside the TRC458 to open the side bearing. Be careful not to leave the canvas outside.



### 6. Closing the tailgate and ladder

Lower the cover and then push the ladder into its slot.

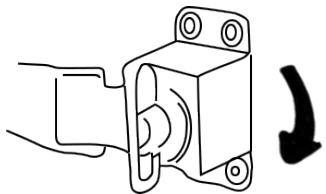


# TRC458

## TRC458's Recollection

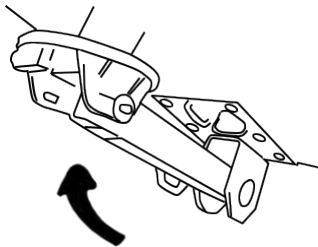
### 7. Closing the spare wheel

Be sure to push the top pins back into place.



### 8. Closing the stabiliser legs

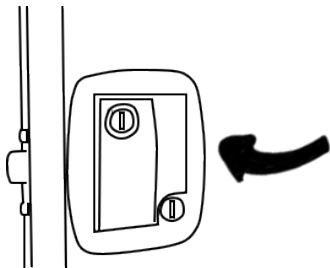
Return the feet to their original position by folding them upwards.





### 9. Lock and control

Check after locking.



# TRC458

## TRC458's Setup

### How to open a caravan?

When opening the entrance door;

- Open the entrance door to the side.
- After opening, lower the ladder.
- Press and hold the left button to descend the ladder.



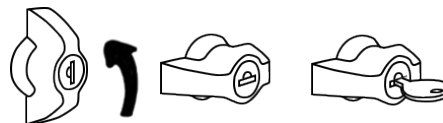
- Dust and water-proof rear kitchen cover, located above the locking mechanism, pull it up. It can be turned 90 degrees and opened with the key (horizontal position) in the Crawler bag. At the same time, pull the lock handle towards you.

- Turn 90 degrees again. Then take the same place and lift the cover.



- When lifting the cover, it can be dangerous that there are 2 pistons in the cover. (30-60cm)

### Opening the rear hatch;



When opening the back cover of TRC458;

- First, unlock by turning left with the vehicle's own key.
- Then turn the lock handle to the left to unlock it.

To make the kitchen part available for use;

- When lifting the cover, it can be dangerous because there are 2 pistons inside the cover.

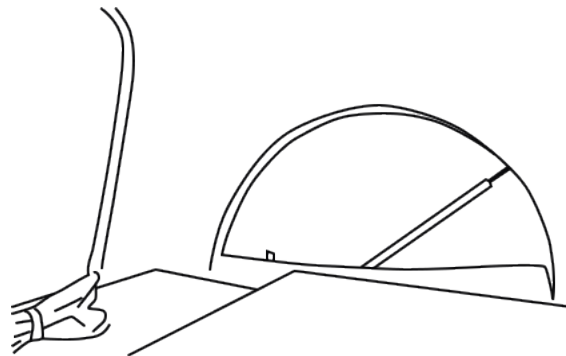


- The cabinet door should be opened 30-60 cm behind.
- Otherwise, it may cause injury.

## Upper Bed Compartment

Before opening the upper bearing section;

- The safety lock is opened first.
- When you pull it with the help of pistons by holding the irons, the bed takes its horizontal position.
- Pay attention to the piston when lowering the bearing.
- There is a bed compartment that opens on the upper side, as well as a window of the bed compartment.
- There is an optional curtain just behind the window.
- Use the curtains on the windows as needed.



# TRC458

## TRC458's Setup

- When the cabinet is opened, an empty stove is encountered. Place the hob grate and hob head inside the caravan on the hob. Attach the slide on the refrigerator with an angle of 45 degrees. Pull the marine type water mixer over the sinks. To activate the water, see the control panel page.
- See to activate the hob.
- Lighting system is opened from Crawler Smart Panel.
- There is a battery and fuse cabinet under the refrigerator.
- Pako switch is on the refrigerator.
- There is a charging port. (Marine type 16 Amps 250 Volts)
  
- Battery and fuse panel can be accessed from the rear cabinet inside.
- A Phillips head screwdriver is required to remove the cover. The fuse is accessed when the cover is removed.
- The caravan is connected with the 220 Volt cable inside the caravan. The charger becomes active. Battery dollars.

### How is the battery charged?

When the caravan runs, it fills up thanks to the syrex system in it. Then it fills the rear battery with the energy it receives from the engine.

Also, what does the syrex system do?

- If the battery of the vehicle is depleted, the rear battery is charged from the solar panel, it is turned into a vehicle battery with a one-time button. The key is located next to the locker.
- The regulator of the solar panel of the caravan is in the cabinet.

The awning is unzipped to be removed from the bag.

- First, the right 2 arms are pulled towards the front of the vehicle.
- It is fixed from the fixing rope.
- Then the last two arms are pulled towards the rear of the vehicle and fixed to the eyebolt located on the marine type water filler cap.
- The rope in the middle is fixed to the opening cover of the vehicle.
- In rainy weather, in windy weather, it is tightened with tension arms so that water does not collect and fly. (2 pcs) Aluminum plastic
- For the fixing feet, pull the red lever. Focus on the place to be fixed, push the red lever again.
- Make sure it's locked.
- Perform it with the help of the jack included in the trailer.

# TRC458

## Interior Equipment

### When Opening the Refrigerator;

1. Unlock the refrigerator itself.
3. See Crawler Smart Panel section for refrigerator lighting. (pages 10-11)
4. See the Crawler Smart Panel section to operate the refrigerator. (pages 10-11)
5. There is a battery and fuse cabinet under the refrigerator.
6. Pako switch is on the refrigerator.
7. The spaces at the bottom and top of the refrigerator are primarily for more comfortable operation and air exchange before storage.

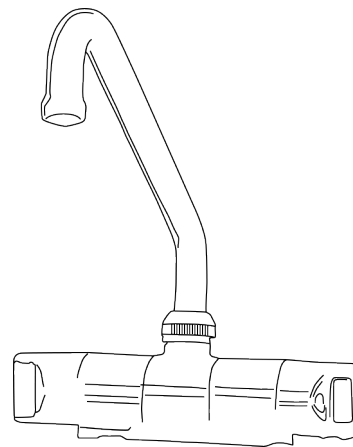
### What to do if the refrigerator is not working?

- Make sure that the refrigerator is working.
- Attention is paid to the indicators on the Control Panel.
- Pako switch is turned off and on.



### **Sink Usage;**

1. First, open the outermost door of the refrigerator with the help of the lock knob.
2. Then unlock the refrigerator itself.
3. See Control Panel section for refrigerator lighting. (pages 10-11)
4. To operate the refrigerator, see the Control Panel section. (pages 10-11)
5. There is a battery and fuse cabinet under the refrigerator.
6. Pako switch is on the refrigerator.
7. There is a charging port. (Marin type 16 amp 250 Volt)
8. The spaces at the bottom and top of the refrigerator are primarily for more comfortable operation and air exchange before storage.



# TRC458

## Interior Equipment

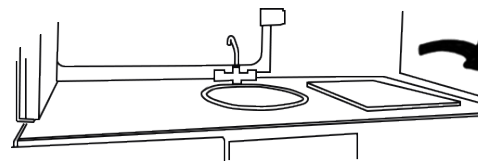
### Cooker Use



1. Open pit use of TRC458,
2. First of all, the tube is opened in order to open it for use.
3. There are 2 valves in the cabinet.
4. The valve for the right tube. The one on the left is for the combi system, if the vehicle has it.
5. Turn the outer tube first and then the right valve to the right to open the tube.
6. Then use it at the desired temperature with the help of a lighter from the stove top buttons.
7. There is a ventilation system just below the stove.
8. When using the combi system, you can adjust the settings from the Crawler Smart Panel.
9. Since the 2 burners of the hob are separate from each other, one gives strong heat and the other gives standard heat, use them according to the order of need.

**- Thanks to the automatic gas cut-off safety system, the stove turns itself off in case of emergency.**

**- Compatible with LPG & NG.**





## Washbasin / Closet Usage

### Thetford Porta Potti 565P WC

**Dimensions:** H 448 / W 388 / D 450mm

**Seating Height:** 443 mm

1. Open the toilet seat for use.
2. Use the middle handle to open the bottom.
3. Unloading is performed from the bottom of the 2-section chamber.
4. As shown, the bottom part is made vertical and the cleaning material is poured from the pipe.
5. Remember to close the lock after emptying and cleaning.
6. After cleaning, assemble the top and bottom to continue use.
7. After using the sink part, lift the sink up to an upright position to drain the water. Download it to use again.



# TRC458

## Crawler Smart Panel

### Heating Mode

The air, which is circulated by the Fan Motor, takes the heat obtained in the boiler and is transmitted into the vehicle. An internal or external temperature sensor integrated in the control unit detects the temperature of the intake air. If the felt temperature is below the value set on the operating switch, the heater continues to operate at full capacity.

### Setting Mode

In the setting mode, the fan motor speed and the fuel delivery capacity of the Dosing Pump depend on the heating capacity. At this time, the Glow Plug is disabled.

### Thermostat Range

In case of approaching the temperature set on the operating switch, the heating capacity is reduced by the control unit. The speed of the Fan Motor and the fuel delivery capacity of the Dosing Pump are reduced in direct proportion. If the temperature value set at a minimum heating capacity is reached, the fueling process of the Dosing Pump is terminated and the combustion process ends by performing the last blow of the heater.



### Note

Throughout the thermostat range, the heater fan motor operates at idle speed, providing indoor air circulation. Also, a change to the Operation switch is evaluated by the Control Unit and then activated.

### Closing

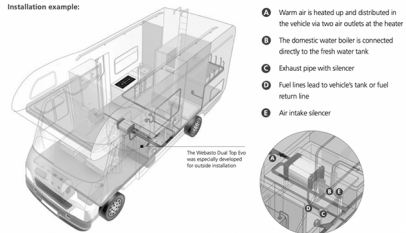
In case the heater is turned off, the start warning lamp (LED) on the start switch turns off and the heater stops by performing its last blow. If the heater is turned off while in the thermostat range, it will stop without final blowing.

### Note

While the heater is performing its final blow, it can be turned on again, but the heater re-engagement will occur after the completion of the final blow.



Installation example:



## 2.2 What to do when gas smell is present?

- Avoid sources of ignition, eg. extinguish all open flames, do not use any electrical switches, mobile phones or radios in the vehicle, do not start the engine of the vehicle, operate equipment, do not smoke.
- Open windows and doors.
- Evacuate all persons from the vehicle.
- Close the gas cylinders or shut off the gas supply from outside.
- The entire gas system must be checked and repaired by qualified personnel!
- Restart the gas system only after inspection and repair!

## 2.3 Obligations of the owner

- The vehicle owner is responsible for the proper use of the device.
- For appliances without FrostControl (eg UK version) or if the appliance is not operating, always empty the water volume when there is a risk of freezing. No warranty can be claimed for damage caused by freezing!
- The vehicle owner must have the gas system checked by a liquid gas specialist (DVFG, TUV, DEKRA) in accordance with the relevant national regulations (every 2 years in Germany). This inspection needs to be approved on the relevant inspection document (G 607).
- Pressure regulation devices and hose lines must be replaced with new ones at the latest 10 years after the date of manufacture (8 years for commercial uses).
- Hoses should be checked regularly and replaced if they are worn or damaged.
- When a new appliance is put into operation for the first time, smoke and odor may develop for a short time. When the appliance is put into operation after a particularly long downtime, a slight smoke and odor may occur due to dust or dirt. It is recommended to run the appliance for a few minutes at the highest power level and then to ensure that the room is well ventilated for self-cleaning.
- Hot air can be dangerous and cause burns, especially for young children, children, the elderly or sick people. Outgoing air can reach high temperatures at hot air outlets. The air temperature should always be checked before adjusting the hot air outlets.
- Hot water can be dangerous and cause burns, especially for small children, children, the elderly or sick people. Check the water temperature before each shower or bath.
- This appliance can be used by children from 8 years of age and also by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge in the use of the appliance, provided they are supervised or have been instructed in the safe operation of the appliance and understand the potential hazards. Children are not allowed to operate the device.

# TRC458

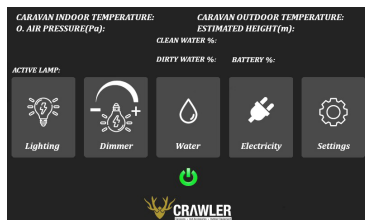
## Crawler Smart Panel

### 1 Crawler Smart Panel

Crawler Smart Panel is started by pressing the button under the touch panel once, every time this button is pressed, the system will reboot, even when the panel is open, if pressed, the system will reboot again. As soon as the button is pressed, electricity will be given to the panel and the system will start. This process completes the process by counting from 0-100 on the bottom right of the screen. When the numbers reach 100 and disappear, it means that the system has been started correctly. This button is shown in the red square in the picture below.



When the screen was first turned on, a visual like the image below would appear



There is a button group that controls all the lighting system connected to the panel inside and outside of the battery, on the button on which the illumination is written. In addition, the buttons that control the power of the USB units and the camera module are located in this section. In the dimmer section, the proportional control of the bedroom, sitting group and right exterior lighting is performed. In the water section, information about the status of clean and gray water tanks and the on-off buttons for hydrophore and frost protection are also found in this section. In the electrical section, there is information about the battery and solar status. In this section, the user does not control any control components, this page is used for informational purposes only. In the settings section, there is the capacity of the battery on the vehicle, the time and date adjustment menu, and the section to adjust the screen brightness. In addition, the green power button under the buttons closes the Crawler smart panel and the system.

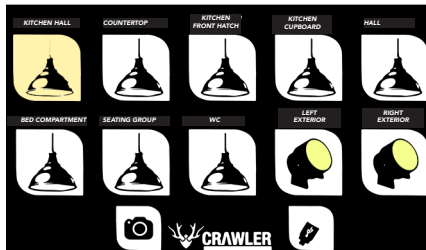
#### 1.1 Illumination Page

The lighting page is accessed by clicking the lighting button on the main page, and when the screen is opened for the first time, a page will appear as shown in the image below.



The text on each button indicates which region that button controls.

For example, the button on the top left of the page that says “KITCHEN HALL” controls the lighting system in the kitchen hall. When the button is active, its color will turn yellow. All of the buttons used on the smart panel are active in yellow. This is shown in the image below for the kitchen hall.



The text on each button indicates which region that button controls. For example, the button on the top left of the page that says “KITCHEN HALL” controls the lighting system in the kitchen hall. When the button is active, its color will turn yellow. The button at the bottom of this page, which is active in all of the buttons used on the smart panel, and with the camera symbol on it, is optionally used to turn the camera system used for rear view on and off, placed behind the vehicle. The usb symbol on it is used to turn the usb charging units in the caravan on and off. You can return to the main page with the red back button located at the bottom left of the page. The screen saver will appear on the screen in about a minute when various operations are performed on the lighting page and no operations are performed afterwards. For example, after activating a few lighting systems, if the screen is not touched for about one minute, it will switch to screen saver mode. The screen saver includes caravan interior and exterior temperature information, time information, Hijri and Gregorian calendar information. A sample image is shown in the picture below. The color of the tone is yellow, which is shown in the image below for the kitchen hall.



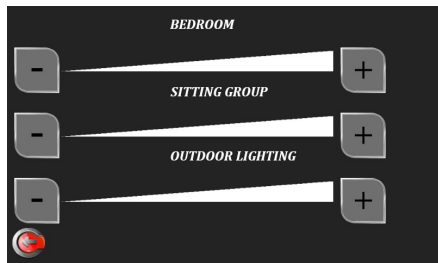
# TRC458

## Crawler Smart Panel

When you touch any part of the screen while there is a screen saver on the screen, the screen saver is turned off and you are directed to the main page. If no operation is performed on the screen while on the homepage, the screen saver mode is switched to approximately one minute on three other pages.

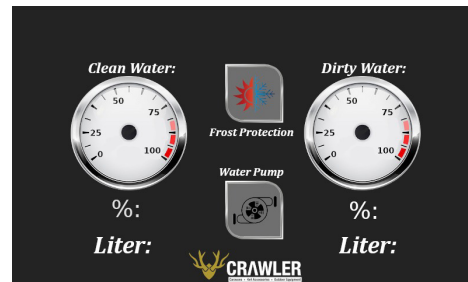
### 1.2 Dimmer Sheet

The dimmer page is accessed by clicking the button on the main page that says dimmer. The dimmer page has three sliders and two buttons for each slider. It controls the lighting system of the area specified on the sliders proportionally, that is, it is used to decrease and increase the brightness of the lighting system of the relevant area. By clicking on the icon on the slider, the illumination of the relevant region can be changed between 0-100 by sliding it to the right and left, and the illumination of the relevant region can be increased by +10 or decreased by -10 with the minus and plus buttons on the sides of the slider. Buttons perform actions on the current value of the slider. The value of the slider is located just to the right of the plus button, the value here is the indicator of the lighting system. For example, if the bedroom slider displays 68, it means that the bedroom is illuminated at 68 percent. The page image is indicated in the image below.



### 1.3 Water Sheet

The water page is accessed by clicking the button on the main screen that says "Water". When the page is opened for the first time, a page appears as seen in the image below.



As shown in the image, there is information about clean water on the left side of the screen, while information about Gray water is on the right. There is an analog graphic on the right about clean water, just below the graphic there is a section showing the fill rate of the clean water tank digitally and how many liters of water are left in the tank. Information about four levels, 25-50-75-100 in analog and digital visuals is given.

On the right side of the screen, just below the Gray water analog indicator, there is a section showing the fullness of the gray water tank, and below the fullness ratio, there is a section showing how many liters of water are in the tank. As in the clean water tank, there are also four levels, 25-50-75-100 in the gray water tank which is the way information is given.

As seen in the image, there are two buttons in the middle of the screen. As can be seen from the information written on and under the buttons and the icons of the buttons, one of these two buttons activates the frost protection system and the other button activates the booster.

In winter, the frost protection system should be activated at temperatures below 0 degrees Celsius, otherwise, if the tank is full, the water in the tank will freeze and increase in volume, the tank or the water installation system may be damaged depending on the increased water volume. Being half full of the tank can prevent the damage caused by freezing, but it will become unusable because the water freezes.

If the caravan is not going to be used, it is recommended that the tanks be completely emptied and parked in winter, otherwise, damage may occur in the warehouses due to freezing. It should be ensured that the frost protection system is turned on at temperatures below 0 degrees in winter. Problems may occur due to freezing during the winter months when the tank is full. Crawler is not responsible of these types of freeze damages.

While the system is active, no operation is carried out in the warehouses until the temperature drops below 0.5 degrees. All users have to do is to activate the frost protection button on the water page on cold winter days.

When the frost protection button is clicked, its color will turn yellow as in other buttons. If the color of the frost protection button is yellow, it means the system is active. This situation is shown in the image below.



Another button on the water page is the hydraphore button. The booster is not active when the system is first turned on. In order to use the water installation in the caravan, the booster is activated once after the system is turned on, if the system is completely turned off and then turned on or reset, the booster will be passive again, in this case it is necessary to reactivate the booster.

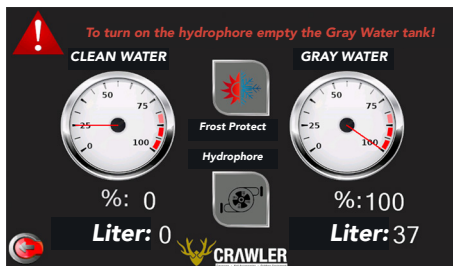
After the booster is activated, even if all the taps are closed, the booster may continue to work for a while. This is due to the balancing of the pressure in the pipe in the water installation. If the boiler tank is empty, this situation will take a little longer. After the booster is activated, when any faucet connected to the caravan is opened, water will automatically start flowing. When the gray water tank is full, the hydraphore is automatically stopped in order to prevent overflows, thus preventing any overflow that may arise from the caravan installation. First of all, when the gray water tank reaches the level of seventy-five percent, a warning appears at the top of the water page as seen in the picture below, informing that the tank is filling up and that the booster will stop when the tank level reaches one hundred percent.

# TRC458

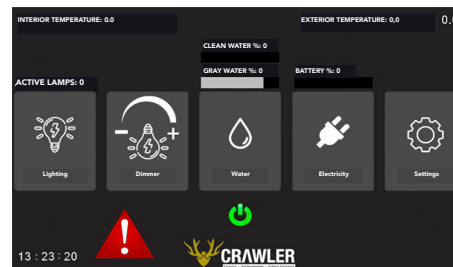
## Crawler Smart Panel



As it can be viewed in the picture, since the booster can be seen as a tank that continues on it without stopping, the booster will be automatically experienced by the system and, like the system in the picture, it is apparently from your hand and as the information booster that you are seeing, how is the booster of the booster. In order to renew the booster, the water tank must be emptied and the tank must be emptied properly.



In addition, the exclamation mark at the beginning of the warning texts is also displayed on the main page. When the tank full warning or the water booster stop warning occurs, this exclamation mark appears on the main page, this situation is shown in the image below. If the exclamation point is clicked, the water page will open and give information about the source of the warning on the screen.



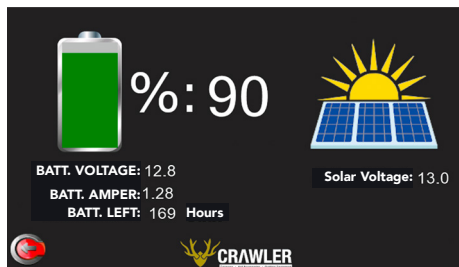
### 1.4 Electric Sheet

The electricity page is accessed by clicking the button on the main page that says "Electricity". On the electricity page, there is a battery icon on the left side of the screen and a solar icon on the right. The battery icon represents the battery on the caravan and the inside of the battery is colored, showing the battery status as a percentage, and the percentage level is also displayed digitally next to the battery. Just below the battery indicator, the voltage of the battery is displayed momentarily, just below the voltaic indicator, the average current drawn per minute is displayed and is updated approximately every one minute.



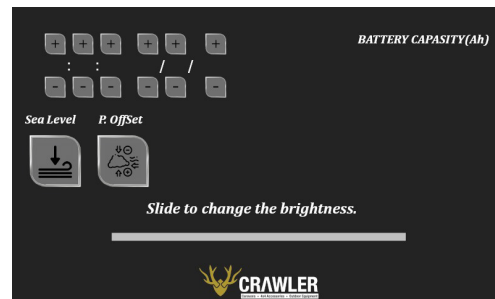
Just below the current indicator, there is the remaining hour indicator calculated according to the percent voltage of the battery and the average of the current drawn. It is recalculated approximately every one minute according to the percent voltage of the battery and the current average amount of current drawn.

As the amount of current drawn per minute increases, the remaining hours available decrease, and as the current drawn decreases, the remaining hours available increase. The electrical page is shown in the image below. The solar voltage is shown on the left side of the screen.



## 1.5 Settings Sheet

The settings page is accessed by clicking the button on the main page that says "Settings". In the upper left part of the settings page, there are time and date information, respectively, and a group of buttons to set this information. There are two buttons, plus and minus, for each digital of the time and date. These buttons are located above and below the relevant digital. It can be brought to the desired value by using the digital plus and minus buttons to be adjusted. In the upper right part of the screen, the battery capacity of the caravan is shown. The user cannot interfere with the battery capacity. If users with a single battery increase their battery capacity later, they must increase their battery capacity as a technical service from Crawler, otherwise wrong results will be obtained in the values calculated on the electrical sheet. The settings page is shown in the image below.



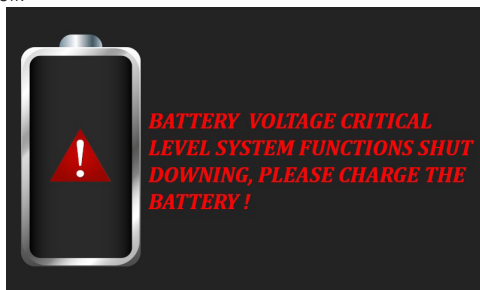
On the lower part of the screen, there is a slider where we can adjust the brightness of the screen. This slider can be moved to the desired value by sliding the slider to the right and left.

# TRC458

## Crawler Smart Panel

### 1.6 Low Voltage Warning

Crawler smart panel continuously monitors the battery status, performs various measurements and ensures long-lasting and efficient use of the battery. As soon as the low voltage protection battery voltage drops below 10.5 voltage, the smart panel switches to battery protection mode and cuts off the power of all systems connected to the smart panel, displaying the warning shown in the image below and showing this warning for ten seconds, and then the smart panel turns itself off.



When this situation occurs, we need to charge the battery as soon as possible. If the battery charge drops further down in time, the battery may undergo chemical degradation and may deteriorate completely or its lifespan may be shortened. If the smart panel closes itself automatically, it will show the same warning on the screen for ten seconds when trying to open it again. Electrical devices connected to the caravan should not be used while this warning is displayed on the screen. If there is a working device, it should be turned off or connected to the charger by using the caravan charging cable, otherwise Crawler company is not responsible for any damages that may arise in cases of use.

### 1.7 Setting the Absolute Elevation

The sensor on the Crawler Smart Panel measures the atmospheric pressure instantly. Atmospheric pressure is the force exerted by the gases in the atmosphere on the earth.

The atmospheric pressure measured at sea level under normal conditions is 101325 pascal. This value is called normal atmospheric pressure. Pressure values lower than 101325 pascal are called low pressure, and pressure values higher than 101325 pascal are called high pressure. The distribution of pressure on earth is not homogenous.

Gravity, temperature, altitude, and the Earth's daily movement are effective in the formation of pressure types. Rising air movements are effective in low pressure areas.

Rising air gradually cools and condenses. For this reason, many condensation products such as clouds and rain are seen in the sky.

Low pressures may occur due to temperature or daily movement. In high pressure areas, the weather is clear, sunny and cloudless.

High pressures can also occur due to temperature and daily movement.

Because of all these changes in the atmospheric pressure, accepting the reference point as the atmospheric pressure at sea level under normal conditions will cause an error in the altitude measurement.

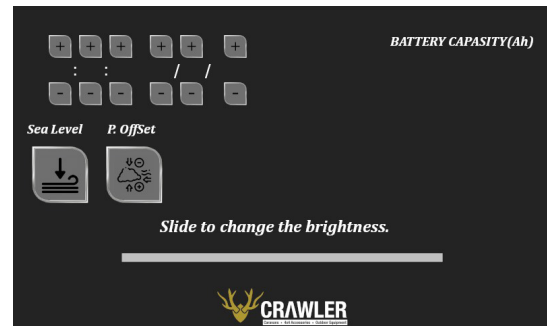
In order to correct the error here and to measure the absolute altitude, we must accept the atmospheric pressure we are at when we are down as our reference point before climbing high (mountain, hill).

In order to do this, we must click on the B. Offset (Pressure Offset) button on the settings page. If we return to the main page as soon as we click the button, we will read our current elevation as zero.

If we start climbing after performing this operation, when we reach the summit, we can read the altitude between the point we set before and the point we reached on the main page.

This process is affected by daily changing weather conditions, so if we want to measure continuously, this process must be repeated.

If we want to measure according to sea level again and see approximate values, we can set our reference point as sea level by clicking the S. Level (Sea level) button on the settings page. Depending on the weather conditions that day, we read our elevation from the main page.



# TRC458

## Diesel Warmer

### Heating Mode

The air, which is circulated by the Fan Motor, takes the heat obtained in the boiler and is transmitted into the vehicle. An internal or external temperature sensor integrated in the control unit detects the temperature of the intake air. If the felt temperature is below the value set on the operating switch, the heater continues to operate at full capacity.

### Setting Mode

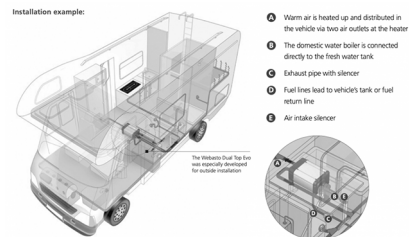
In the setting mode, the fan motor speed and the fuel delivery capacity of the Dosing Pump depend on the heating capacity. At this time, the Glow Plug is disabled.

### Thermostat Range

In case of approaching the temperature set on the operating switch, the heating capacity is reduced by the control unit. The speed of the Fan Motor and the fuel delivery capacity of the Dosing Pump are reduced in direct proportion. If the temperature value set at a minimum heating capacity is reached, the fueling process of the Dosing Pump is terminated and the combustion process ends by performing the last blow of the heater.

### Note

Throughout the thermostat range, the heater fan motor operates at idle speed, providing indoor air circulation. Also, a change to the Operation switch is evaluated by the Control Unit and then activated.



### 2.2 What to do when gas smell is present?

- Avoid sources of ignition, eg. extinguish all open flames, do not use any electrical switches, mobile phones or radios in the vehicle, do not start the engine of the vehicle, operate equipment, do not smoke.
- Open windows and doors.
- Evacuate all persons from the vehicle.
- Close the gas cylinders or shut off the gas supply from outside.
- The entire gas system must be checked and repaired by qualified personnel!
- Restart the gas system only after inspection and repair!

## 2.3 Obligations of the Owner

- The vehicle owner is responsible for the proper use of the device.
- For appliances without FrostControl (eg UK version) or if the appliance is not operating, always empty the water volume when there is a risk of freezing. No warranty can be claimed for damage caused by freezing!
- The vehicle owner must have the gas system checked by a liquid gas specialist (DVFG, TUV, DEKRA) in accordance with the relevant national regulations (every 2 years in Germany). This inspection needs to be approved on the relevant inspection document (G 607).
- Pressure regulation devices and hose lines must be replaced with new ones at the latest 10 years after the date of manufacture (8 years for commercial uses).
- Hoses should be checked regularly and replaced if they are worn or damaged.
- When a new appliance is put into operation for the first time, smoke and odor may develop for a short time. When the appliance is put into operation after a particularly long downtime, a slight smoke and odor may occur due to dust or dirt.

It is recommended to run the appliance for a few minutes at the highest power level and then to ensure that the room is well ventilated for self-cleaning.

- Hot air can be dangerous and cause burns, especially for young children, children, the elderly or sick people. Outgoing air can reach high temperatures at hot air outlets. The air temperature should always be checked before adjusting the hot air outlets.
- Hot water can be dangerous and cause burns, especially for small children, children, the elderly or sick people. Check the water temperature before each shower or bath.
- This appliance can be used by children from 8 years of age and also by persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge in the use of the appliance, provided they are supervised or have been instructed in the safe operation of the appliance and understand the potential hazards. Children are not allowed to operate the device.
- The flue gas double pipe should be checked regularly, especially after long trips, for damage and whether the connection is intact, as well as the appliance and chimney connection.
- Water should not be poured directly into the chimney in order not to cause any damage due to splashing water while the vehicle is being washed.

# TRC458

Combi

## 2.4 Actions in Case of Failure

- In case of abnormal noise or odor, turn off the gas supply and switch off the Combi.
- There is a risk of fire / explosion when attempting to operate a Combi that is damaged or damaged due to the vehicle being involved in an accident (eg drinks, flooding leaks). A damaged Combi must be repaired or replaced by qualified personnel.
- Have faults rectified immediately by qualified personnel.
- After flashing (misfire), have the device and the exhaust gas system checked by a specialist.

## 2.5 Maintenance/Repair/Cleaning

- Device repair and cleaning should only be done by qualified personnel.
- Maintenance, repair and cleaning by children is prohibited.
- The warranty right and the right to claim liability are excluded in the following cases:
  - Changes made to the device (including accessories),
  - Changes made in the flue gas installation and chimney
  - Using spare parts and accessories other than Truma original parts,
  - Failure to comply with the assembly and operating instructions.
  - Rinse a new Combi or one that has not been used for a long time and all hot/cold water hoses with drinking water before use.

## 2.6 Heating Operation

During heating operation, the device automatically selects the required power level according to the temperature difference set in the control unit and the current room temperature. When the boiler is full, the water is automatically heated together. The water temperature depends on the selected operating mode and the heating power output.

It can be used in 3 different types of energy specified in use.

- During gas operation, the device automatically selects the required power level.
- For electrical operation, 900 W (3.9 A) or 1800 W (7.8 A) can be manually pre-selected for power, depending on the campsite protection fuse. When the power requirement is higher (eg when heating or the outside temperature is very low), gas or mixed operation should be selected to ensure sufficient heating power.
- 230 V electrical operation is preferred when the power demand is low (eg to maintain room temperature) during mixed operation. The gas burner only switches on at high power demand, ie it turns off before heating.

## 2.7 Hot Water Operation (only when boiler is full)

Gas operation or electric operation 230 V is used for the hot water pipes. The water temperature is set as ECO for 40 °C and HOT for 60 °C.

- During gas operation, the water in the chamber is heated with the lowest burner stage. The burner turns off when the water temperature is reached.

- For electrical operation, the power can be manually selected as 900 W (3.9 A) or 1800 W (7.8 A) according to the protection fuse in the campsite.

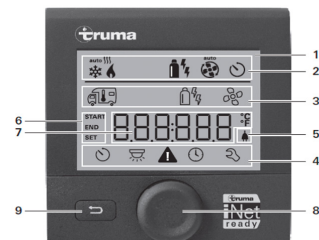
- Mixed operation is not possible. In this setting, the device automatically selects electrical operation. If the voltage supply to 230 V is limited or interrupted, the heater automatically switches to gas operation.

## 2.8 Operation Instructions

Before commissioning, carefully read the safety warnings and operating instructions and strictly follow the instructions!

### 2.8.1 Display and Control Elements

#### Truma plus VarioHeat



**1= Indicator**

**2= Status line**

**3= Menu line (top)**

**4= Menu line (bottom)**

**5= 230 V mains voltage display (current used in the country) 6= Timer display**

**7= Settings / Values**

**8= Dial / push button**

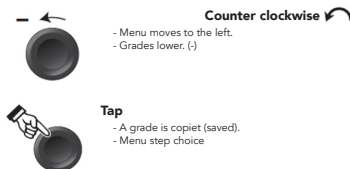
**9= Back key**

It is possible to navigate between the menus on the 3rd and 4th lines with the rotary pushbutton indicated with the number 8, and various settings can be made by making selections. The button indicated with the number 9 can be used to return from any menu. Target values and parameters can be selected, changed and saved by pressing the rotary push button, indicated by the number 8. The selected menu items flash.

Pressing button 8 for a long time enables the main control function to be turned on and off.

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## Back Button

When the back button 9 is pressed, it returns from a menu and the settings made in that menu are cancelled. In other words, previously valid values are preserved.

## First commissioning

A few seconds after the Truma CP plus VarioHeat control unit is connected to the power supply, a start screen appears.



- The time information and the set room temperature are displayed alternately on the screen.

## On/Off

Touch button 8 to open. The previously set values / operating parameters are reactivated after switching on the device.

Press button 8 for more than 4 seconds to turn it off. Shutdown of the Truma CP plus VarioHeat control unit may be delayed by several minutes due to the internal follow-up of the heating or air conditioning system ("OFF" is displayed during this time period).

## Activating APP mode

- Press button 8 for about 2 seconds until the "APP" display appears on the screen.
- Let go of the rotary/push button.
- The previously set values are saved.

## Shutting down APP mode

- If new values are transferred via the Truma App or the infrared remote control of the air conditioning system, the APP mode is turned off.
- If the Truma CP plus VarioHeat control unit is activated by pressing the rotary / push button. The previously set values are taken over for the new operation, the APP mode is turned off.

## Changing the Room Temperature

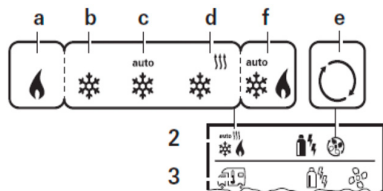
- Select the room temperature setting icon in the menu line number 3 with the button number 8.





Room temperature setting sign

- Switch to the setting level by pressing the button number 8.
- Select between the heating system (HEATER), air conditioning system (AC) with the rotary / push button depending on the device connected.
- Click on button 8 to confirm the selection.
- Bring the button number 8 to the desired temperature by turning it to the right and left.
- Click on button 8 to confirm the value.



## Heater

Adjustable temperature range 5 – 30 °C (in 1 °C steps) a= Heating on – Symbol lights up, symbol flashes if the room temperature has not been reached yet. It is essential that the temperature range is selected below 5 °C (OFF) in order to turn off the heater.

Choosing the energy type

- Select the energy setting icon on the 3rd menu line with the 8 numbered button.

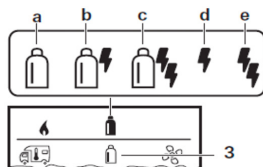


Energy setting sign

- Switch to the setting level by pressing the button number 8.
- Turn the button number 8 to the right and left to bring it to the desired setting level.
- Click on button 8 to confirm the selection.

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**a = GAS = Truma VarioHeat heats in gas operation.**

**b= MIX 1= Truma VarioHeat heats in gas operation. Truma E-Kit heats with 900 W.**

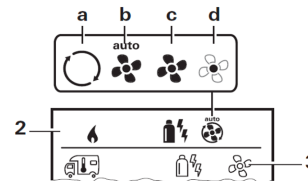
**c= MIX 2= Truma VarioHeat heats in gas operation. Truma E-Kit, max. It heats with 1800 W.**

**d= EL 1= Truma E-Kit, 900 W heating power..**

**e= EL 2= Truma E-Kit, max. 1800W heating power.**

## Selecting the fan stage

- Select the fan icon on the 3rd menu line with the 8 button.
- Switch to the setting level by pressing the button number 8.
- Turn the button number 8 to the right and left to bring it to the desired setting level. Click on button 8 to confirm the selection.



**- = OFF= Fan Off** (Chooseable only if everything is off)

**a= VENT1=** Recirculating air, only chooseable if everything is off has 10 degrees

**b= AUTO=** Fan adjusts automatically according to the heat requested.

**c= BOOST2=** Rapid room heating can be used if the difference between the selected and current room temperature is greater than 10 °C. Not available in electronic operation (EL1, EL2).

**d= NIGHT=** Very quiet fan operation. The heater only works at partial load, it may not reach the set room temperature if necessary (depending on vehicle size and outside temperature). Only available in gas operation.

- May cause higher engine wear depending on frequency of use. A quick step change (in the stand-by display) is possible via button 8.

- Electric current, noise level and engine wear are higher in the "BOOST" fan stage.

- When the Combi is switched on, the fan level selected in the previous heating operation is displayed in the 2nd status line of the room temperature setting. The default setting is "AUTO".

## 2.8.2 Setting The Timer

Danger of poisoning by exhaust gases

The activated timer also starts the heater when the car is parked. Exhaust gas from the heater can cause poisoning in closed spaces (eg garage, workshop).

If the vehicle is parked indoors:

- Cut off the fuel supply (gas) to the heater.
- Switch off the Truma CP plus VarioHeat control unit (see "On / Off") to prevent the heater from being reactivated by the Truma App or the timer.
- Only use the timer of the Truma CP plus VarioHeat control unit to clearly set the start and end time of the desired interval when operating air conditioning systems.
- If the timer is active (ON), it is necessary to disable the timer first, if the timer is inactive (OFF) it is shown in the menu.
- Select the timer setting symbol in the 4th menu line with the button number 8.
- Switch to the setting level by touching it.



Timer setting sign

Entering start time

First set the hour and then the minute with the button number 8.

24 Hour mode



12 Hour mode



A = a. m.

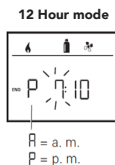
P = p. m.

- When the screen is turned on for the first time, the hour is flashing. Use the number 8 button to move the time to the desired value by swiping left and right.
- When the time reaches the value you want, confirm the time by clicking on the button 8.
- After confirming the time, the minute segment will flash.
- Set the minute value to the value you want by using the button number 8.
- When the minute value reaches the value you want, confirm the minute by clicking the 8 button.

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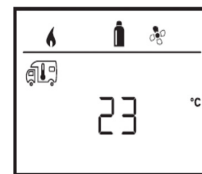
## Entering Stop Time



- When the time reaches the desired value, confirm the time by clicking on the button number 8.
- After confirming the time, the minute segment will flash.
- Set the minute value to the value you want by using the button number 8.
- When the minute value reaches the desired value, confirm the minute by clicking on the 8 button.
- If the start / end time has passed at the time of entry, the operating parameters will only be valid when the next start / end time is reached. Until then, the operating parameters set apart from the timer are valid.

## Setting The Room Temperature

- Select between heating , air conditioning system or automatic air conditioning with button 8, depending on the device connected (see "Changing the room temperature" on page 18).
- Click on button 8 to confirm the selection.
- Select the room temperature you want with the button number 8.
- Click on button 8 to confirm the value.



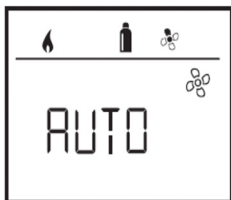
Select energy type (HEATER only)

- See detailed information. "Selecting the energy type", page 19, select the energy type you want with the button number 8.
- Click on button 8 to confirm the selection.



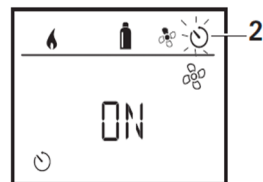
Selecting the fan stage

- Select the desired fan level with the 8 button.
- Click on button 8 to confirm the selection.



Activating the timer (ON)

- Select the desired fan level with the 8 button.
- Click on button 8 to confirm the selection.



- The timer remains active for days until deactivated.
- The timer symbol flashes if the timer is programmed and active.

#### Deactivating the timer (OFF)

- Switch to the setting level by pressing button 8.
- Deactivate the timer with button 8. (OFF)
- Click on button 8 to confirm the selection.



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## 2.8.3 Service Menu

- Located on the right side of menu number 4.
- The menu is selected by clicking the button number 8.
- It is possible to navigate between the settings shown below in the menu by using the number 8 button.
- When the desired setting is reached, it can be selected by clicking the 8 button.
- While in the selected setting, the selected setting is brought to the desired value by swiping left and right with the 8 button.
- Exit back with the button number 9.

Calibration of the room temperature sensor of the heater (OFFSET)

The room temperature sensor of the connected heater can be adapted to the installation situation of the sensor. Adjustment can be made in 0.5 °C steps in the range of 5 °C to -5 °C.

Sample:

Set room temperature 23 °C OFFSET= -1 °C

Nominal value for heating = 22 °C



Standard setting: 0 °C (Celsius). °C / °F temperature display  
Selection of °C (Celsius) or °F (Fahrenheit) temperature display.



Standard setting: °C (Celsius).

### Changing the backlight

Changing the backlighting of the Truma CP plus VarioHeat control unit in 10 steps.



### 12 hour / 24 hour mode

Display of time in 12 hour (a.m., p.m.) / 24 hour mode.



Default setting: 24-hour mode.

Changing the language

Selection of the desired language (German, English, French, Italian).



Standart setting: English

Displaying the version number

Display the version number of the heating, air conditioning system, Truma iNet Box and Truma CP plus VarioHeat control unit.

Sample:

H 1.20.01 – H= Device; 1.20.01= Version number



#### Device

P= Truma CP plus VarioHeat control unit

L= Truma CP plus VarioHeat CI-Bus command unit

A= Air Conditioning system

H= Truma VarioHeat

T= Truma iNet Box

E= Truma E-Kit

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## Reset

The reset function resets the Truma CP plus VarioHeat control unit to factory settings. All settings are deleted. Newly connected devices are detected and stored in the control unit.

Turn on the voltage supply.

12 V= for Truma CP plus VarioHeat, Truma VarioHeat and Truma E-Kit control unit and for 230 V air conditioning systems and Truma E-Kit.

## Resetapplication

- Select "RESET" with button number 8.
- Click on button number 8.
- "PR SET" is displayed on the screen.
- Click on button 8 to confirm.

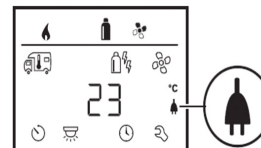


After confirming, the Truma CP plus VarioHeat control unit is started. During this process, "INIT .." is displayed on the screen.

## Special indicators

### Mains voltage 230 V available

The symbol indicates 230 V mains voltage in the connected heating and/or air conditioning system.



## Infrared AC System

When a command is received from the infrared remote control of the air conditioning system, "ER" is displayed on the screen.

## Truma App with iNet Box

When a command is received from a mobile device with the Truma APP application on it, "APP" is displayed on the screen..

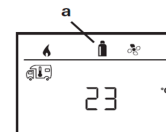
## External Control UNIT (CI\_BUS)

When a command is received from an external control unit with CI-BUS, "CI" is displayed on the screen.

The Truma CP plus VarioHeat CI-BUS control unit is only a special model fitted at the factory.

## Energy Type Indicator

Energy type in heating operation e.g. gas (a) is displayed (see "Selecting the energy type" on page 19)





### 2.8.4 Warning / Fault Warning

If the operating parameter is found outside the target range, the Truma CP plus VarioHeat control unit immediately switches to the "Warning / Fault" menu level and indicates that the fault error code is displayed. With the help of troubleshooting instructions, the cause of the warning in question can be determined and eliminated. Error and malfunction codes are shown at the end of the Truma combi document under the topic Truma CP plus VarioHeat Error and malfunction codes.

#### Returning to the setting level

Click on the number 8 button or press the Back button. If the screen is in Stand-by mode, tapping activates the backlight and the warning can be confirmed by clicking the screen again.

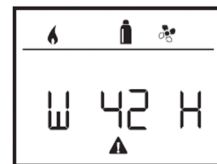
The respective device remains in operation, if possible. If the operating **parameter is again within the target range, the symbol will go out automatically.**



#### Reading The Error Code

The error code can be called again after the warning is acknowledged:

- Select the number one symbol seen in the picture with the number 8 button.
- Click on the symbol with the number 8 button. The error code of the alert will



W= Warning 42= Error code H= Device

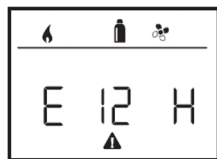
- H= Truma VarioHeat
- A= Air conditioning system
- E= Truma E-Kit

#### Malfunction

In the event of a malfunction, the Truma CP plus VarioHeat control unit immediately switches to the "Warning / Fault" menu level and the fault code of the fault is displayed: The fault can be detected and rectified using the troubleshooting instructions. Error and malfunction codes are shown at the end of the Truma combi document under the topic Truma CP plus VarioHeat Error and malfunction codes.

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E= Fault 12= Fault code H= Device

- H= Truma VarioHeat
- A= Air conditioning system
- E= Truma E-Kit

## Cause fixed / Back to setting level

- Click on button number 8. If the screen is in Standby mode, tapping activates the backlight and the fault must be confirmed by tapping the screen again.
- If necessary, the corresponding device will be restarted automatically.
- This process may take a few minutes due to the internal after-work of the connected devices.
- If the cause of the fault is not remedied, the fault will reappear and the control unit will switch back to the "Warning / Fault" menu level.

## Why not fixed / Back to setting level

Press the back button.

In this case, the fault in the Truma CP plus VarioHeat control unit is not acknowledged and the warning symbol remains. The device remains in the fault state. Other connected devices can be controlled.

## Reading the fault error code

After the fault has been acknowledged, the fault code can be recalled:

- Select the warning symbol with the 8 button.
- Click on the button number 8 and the current state of the fault is read.

## Care

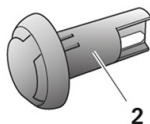
The Truma CP plus VarioHeat control unit is maintenance-free. To clean the front, use a non-scratching cloth dampened with water. If it cannot be cleaned in this way, use a neutral soap solution.

## Disposal of waste

The device must be disposed of in accordance with the administrative regulations applicable in the country of use. National legislation (eg Scrap Vehicles Regulation in Germany) must be observed.

## 2.9 Room temperature sensor

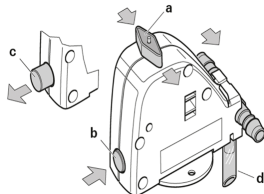
The vehicle is equipped with an external room temperature sensor. .



The temperature setting in the control unit depends on the individual heat requirement and the vehicle model and must be made individually.

## 2.10 Safety / relief valve

FrostControl  
(Safety / drain valve with integrated anti-freeze / optional in UK version) FrostControl is a non-electric safety / drain valve. When there is a danger of freezing, the boiler automatically empties the water in it via a drain port. When high pressure occurs in the system, pressure balancing is performed intermittently via the safety valve.



- a= Rotary switch "Operation" position
- b= Push button "off" position
- c= Push button "dump" position
- d= Drain opening (outward from the vehicle floor)

Opening the safety/relief valve

- Turn the rotary switch 180° until it engages, the pushbutton pops out (position c). The water in the boiler flows out over the discharge opening (d).
  - The accumulation of dirt (snowy, mud, ice, brushwood, etc.) must be prevented at the discharge opening (d) of the FrostControl to ensure a safe flow of water!
- No warranty can be claimed for damage caused by freezing!

## Closing the safety/drain valve

- Make sure that the rotary switch is in the "Operation" (position a) position, parallel to the water connection and inside.

- Close the safety/drain valve by pressing the push button. The push button (b) should go in in the "off" position.

However, the temperature at the safety / relief valve is approx. Above 7 °C, the safety / drain valve can be closed manually via the push button (position b) and the boiler can be filled. Truma supplies a heating element (item no. 70070- 01) which is attached to the inside of the FrostControl and fixed with a safety plate as an accessory. This heating element turns FrostControl off for approx. It heats up to 10 °C. The boiler can thus be filled after a short time, regardless of the temperature at the installation site.

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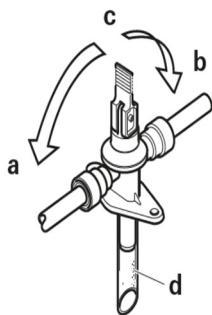
Combi

## Automatic opening of the safety / relief valve

When the temperature at the safety / relief valve is below about 3 °C, the safety / relief valve opens automatically, the pushbutton comes out (position c). The water in the boiler flows out via the discharge opening (d).

## Safety / relief valve

The safety/relief valve automatically compensates for pressure when high pressure is created in the system. In this case, the water is discharged outwards intermittently via the discharge opening. This safety/drain valve does not protect the water tank from damage by freezing.



a= Lever in "Operation – off" position

b= Lever in "Operation – off" position

c= Lever in "Drain" position

d= Drain opening (outward from the vehicle floor)

## Opening the safety/relief valve

Move the lever vertically to the (c) position. The water in the boiler flows out over the discharge opening (d). To ensure a safe flow of water, the accumulation of dirt (snowy, mud, ice, brushwood, etc.) must be prevented at the discharge port (d) of the safety / drain valve! No warranty can be claimed for damage caused by freezing!

Closing the safety/drain valve

Move the lever horizontally to the (a) or (b) position.

## 2.11 Filling the boiler

Make sure that the safety / drain valve is closed (see section "Closing the safety / drain valve").

The temperature in the FrostControl is approx. If it is below 7 °C, first turn on the heater to heat the installation site and the Frost-Control. After a few minutes, when the temperature in the FrostControl rises above 7 °C, the safety/drain valve can be closed.

- Turn on the power to the water pump (main switch or pump switch).

- Open the hot water taps in the kitchen and bathroom (set the water regulator or the single lever faucet to the "hot" position). Keep the faucets open until the air in the boiler is completely emptied and the water flows uninterruptedly.

Even if only the cold water installation will be operated without a boiler, the boiler will be filled with water. Even if the boiler is not to be used, it must be emptied via the safety / drain valve to prevent damage due to freezing. In case of frost, the filling process may not take place because the water is frozen. The boiler can be defrosted by short-term operation (max. 2 minutes). Frozen pipes can be thawed by heating the interior.

When connecting to a central water supply (country or city connection), a pressure reducer must be used to prevent pressure above 2.8 bar in the boiler.

## 2.12 Draining the boiler

Caution: If the motorhome / caravan will not be used during the frosty period, the boiler must be emptied!

- Turn off the power to the water pump (main switch or pump switch).
- Turn on the hot water taps in the kitchen and bathroom.
- Place a suitable container (10 liters) under the discharge port (d) of the safety/drain valve to control the flowing water.

- Open the safety / drain valve (see section "Opening the safety / drain valve").

- The boiler is emptied directly to the outside via the safety/drain valve. Check whether the water in the boiler (10 liters) is completely drained into the container via the safety / drain valve.

**No warranty can be claimed for damage caused by freezing!**

## 2.13 Commissioning

### Combi E

(in conjunction with the CP plus control unit) The interior can be heated with or without water in gas, electric and mixed operation, depending on the operating position.

Check whether the protection fuse of the electricity supply in the campsite is sufficient for the 900 W (3.9 A) or 1800 W (7.8 A) power set via the energy selection switch.

The cable reel must be fully opened to prevent the power supply cable from overheating.

- Check whether the chimney is open and has free air flow
- Open the gas cylinder and the quick shut-off valve on the gas supply pipe.
- If necessary, fill the boiler with water (see section "Filling the boiler").
- Turn on the device using the control unit.

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## 2.14 Shutting Down

- Turn off the heater with the control unit.
- The shutdown may be delayed for several minutes due to the internal after-runs of the heater.
- If the device will not be used for a long time, close the quick shut-off valve on the gas supply pipe and the gas cylinder.
- In cases where there is a danger of frost, always drain the water!

## 2.15 Maintenance

Maintenance, repair and cleaning by children is prohibited.  
Work by specialist personnel Have the device checked by specialist personnel for contamination and have it cleaned if necessary.

### Studies by the user

- Clean the mounting location at least once a year.
- The safety / drain valve must be operated regularly (at least 2 times a year) to remove limescale deposits and ensure that it is not blocked.

## Warnings for Cleaning and Sediment

We recommend that you use the appropriate maintenance products available in the market for boiler cleaning, removing the accumulated dirt in the boiler and maintaining the boiler. Chlorinated products should not be used.

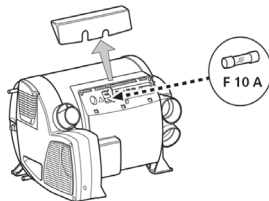
The chemical method for combating microorganisms in the device can be supported by regularly heating the water in the boiler to 70 °C.

- (Only in conjunction with the Combi E, CP Plus control unit – Select the “gas operation” operating mode on the CP plus control unit.
- Set the water temperature to 60 °C.
- Turn on the device.

- When the water in the boiler reaches 60 °C, the burner turns off. The device must remain in operation for at least 30 minutes and hot water should not be used. The residual heat in the heat exchanger heats the water up to 70 °C.

## 2.16 Fuses

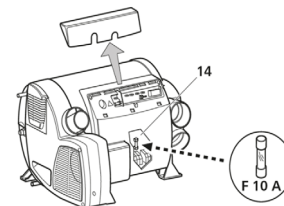
Electrostatic charge can cause damage to the electronic system. Equalize the potential before touching the electronic system!



### Fuse 230 V (Combi E)

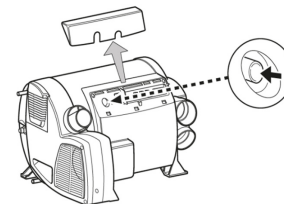
**ATTENTION: Danger to life due to electric shock when replacing fuse or mains connecting lines.**

- Fuse and mains connection lines must only be replaced by a qualified person!
- Before opening the electronic circuit cover, the device must be disconnected from the mains.
- The fuse is located in the power electronic circuit (14) under the electronic circuit cover.
- This precision fuse should only be replaced with a fuse of the same construction: 10 A, fast, breaking capacity "H".



### Overheating Protection 230 V (Combi E)

The 230 V heating operation has a mechanical overheating switch. For example, if the 12 V voltage supply is interrupted during operation or during the following operation, temperatures in the device may cause the overheating protection to



Resetting the overheating protection: Wait for the heater to cool down, remove the connector cover and press the Reset button.

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## 2.17 Troubleshooting instruction (Water supply)

Fault	Cause/Solution
Long heating time	Water tank has sediment/ Clean the tank
Burner can't fill up	Exit valve open/ Close the exit valve
Cannot evacuate water despite exit valve being open	Mud or sediment blocking the exit valve/ Clean the exit valve
Exit valve leaking water	Water pressure too high/ Check water pressure. If connected to the mains keep pressure below 2.8 bar
When heater is shut down FrostControl turns on	Under 3C Frostcontrol automatically opens/ Open the heater. FrostControl cannot be turned off below 7C
FrostControl can't turn off	Temperature is below 7C/ Turn the heater on

## 2.18 Situations Which Void the Warranty

Warranty claims cannot be claimed in the following cases:

- Using the device incorrectly, improperly, incorrectly, carelessly or contrary to its intended use.

- Incorrect installation, assembly or commissioning, contrary to the information described in the operating and assembly instructions.

- Incorrect operation or use of the device contrary to the information described in the operating and assembly instructions, especially non-compliance with the maintenance and cleaning instructions and ignoring the warnings.

- Installation, repair or necessary interventions which are not carried out by authorized business partners.

- Consumables, wearing parts and natural wear.

- Equipping the device with spare and complementary parts or accessories that are not original parts manufactured by the manufacturer or not approved by the manufacturer. This is especially true in the device with a control system operating in the network if the control units and software are not Truma approved or the Truma control unit (eg Truma CP plus, Truma iNet Box) is not used only for Truma devices or for Truma approved devices.

- Foreign substances (eg oil, softeners in gas), damage caused by chemical or electrochemical effects in water, or contact with unsuitable substances (eg chemical products, flammable substances, unsuitable cleaning agents).



- Damages caused by abnormal environment or operating conditions unfamiliar to the subject.

- Damages resulting from force majeure or natural disasters and other effects for which Truma cannot be held responsible.

- Damages caused by incorrect transportation.

- Changes made by the end customer or third parties to the device, especially to the flue gas installation and chimney, including spare and complementary parts or accessories and their installation.

## 2.19 Truma CP plus VarioHeat Error and fault codes

Fault	Cause	Solution
ESA W8A	IR receiver unplugged or cable snapped	Check the IR receiver
E1A W17A	Droppage of Voltage in 230V feed	Check the 230V feed
W10IE	Higher voltage than 16,1V	Check battery voltage, voltage sources and charger
W102 E	Low voltage, Lower than 10,4 V	Charge the battery, change if necessary
W103 E	Hot air cabin vents or intake vents blocked	Check the individual outlet holes Remove the circulated air intake blockage
W104 E	230 V operation voltage non existent or fuse broken	Provide 230V, replace the fuse
W255 E	Truma E-Kit 12 voltage feed is non existent or the connection between remote and copntrol module is broken	Provide 12V. Establish the connection between the heater and the control unit

E2H E 16H	Fire Not Detected <ul style="list-style-type: none"> <li>Gas cylinder is empty</li> <li>The quick shut-off valve on the gas cylinder or gas supply pipe is closed.</li> <li>Gas pressure control system is frosted</li> <li>The butane rate in the gas cylinder is too high</li> <li>Combustion air inlet and / or flue gas outlet are closed</li> </ul>	<ul style="list-style-type: none"> <li>Replace the gas cylinder</li> <li>Check the gas supply pipe and open the valves</li> <li>Use the EisEx regulator heater</li> <li>Use propane (butane is not suitable for heating, especially at temperatures below 10 °C.)</li> <li>Check the holes for contamination (snowy mud, ice, brushwood, etc.) and clean if necessary.</li> </ul>
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W25H	Higher voltage than 16,4 V	Check the battery voltage, voltages and charger
W26H	Very low voltage lower than 10V	Charge the battery, replace if necessary
W27H	<ul style="list-style-type: none"> <li>Hot air outlets blocked</li> <li>Circulated air intake blocked</li> <li>EN end piece closed</li> </ul>	<ul style="list-style-type: none"> <li>Clear the blockage</li> <li>Clear the blockage</li> <li>Open the EN end piece</li> </ul>
W28H	The window over the chimney is open	Close the window
W29H	Low voltage danger. Lower than 10,4 V	Charge the battery
W255H	The heater 12V has no power supply. No connection between heater and control unit	Maintain 12V feed. Make the connection between heater and command module

# TRC458

## Technical Specifications

**Full Length:** 458 cm with standard equipment

**Height** 245 cm (canopy closed)

**360 cm (canopy open)**

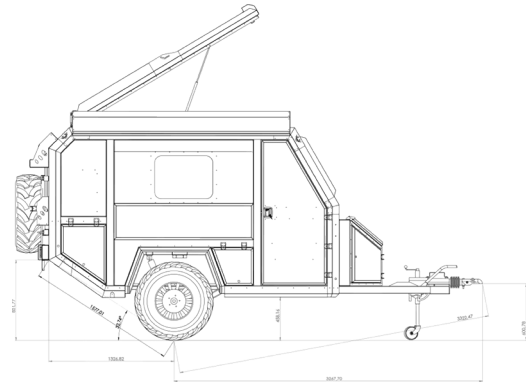
**Width:** 201 cm

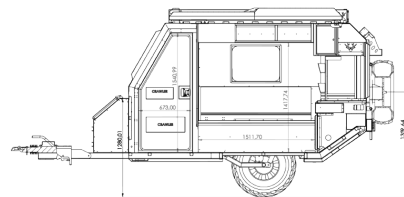
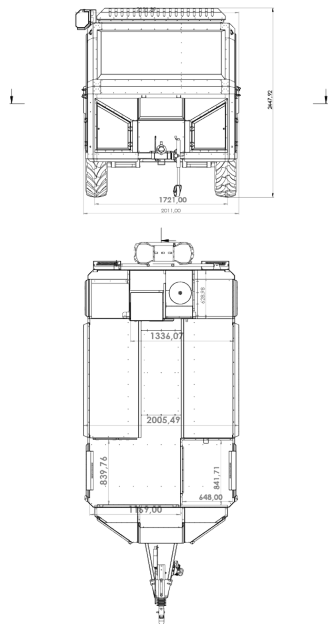
**Weight:** Approx. 900kg with standard equipment

**Wheel Sizes:** 285.75.16 6x139,7 tires

**Coupling:** Braked and Rear maneuverability

**Suspension:** Independent suspension with swing system, total 4 shock absorbers





# TRC458

## Care Instructions

### Cleaning

The vehicle should be washed as soon as it gets dirty as soon as possible, especially in the winter months when salt and moisture on the roads can easily start to rust.

The vehicle should be washed as follows.

- Wash the entire vehicle with plenty of water until the dirt is softened.
- Do not spray the water directly on the locks.
- Wash the vehicle with a sponge using plenty of water with or without detergent.
- If the vehicle is very dirty, you can wash the vehicle first with a cold degreasing agent. (However, you should only do this in a place with a waste water separation feature. Take care not to expose cold oil directly to the sun and ensure that the paint is not heated by the sun or the engine is still not hot. Sunlight and heat can cause permanent damage. Consult Crawler on this matter. .
- Dry the vehicle with a clean, soft cloth.
- You can clean muddy areas with warm soapy water.

Suitable detergent

- Clean the bird droppings from the paint as soon as possible. Chemical substances in bird droppings can affect and fade the paint in a very short time. It is not possible to restore the faded paint by polishing.

### Automatic Car Wash

The simplest and quickest way to wash your vehicle is to take it to an automatic washing facility. However, keep in mind that washing in an automatic car wash cannot replace a thorough hand washing.

- The brushes of the automatic washing plant may not reach all parts of the vehicle effectively. We recommend that you wash the vehicle by hand in the first months.



**After washing the vehicle: always check the brakes so that moisture and corrosion do not affect or damage the brake pads!**

## **Cleaning the upholstery**

### **Removing stains on fabric upholstery**

For soiled fabric upholstery, it is recommended to use a special cleaning agent, available from your Crawler dealer. Other chemicals may damage the fire resistance of the upholstery.

- Never try to remove the stain by scraping or rubbing.
- Never use strong stain remover.
- Wash with a mild soap solution and warm water.

### **Repairing paint damage**

#### **Paint**

Paint is an important factor against rust and should be checked regularly. Damage to the paint needs to be repaired immediately before it starts to rust. Here are the most common types of paint damage you can repair:

- Minor stone chips and scratches
- Damages around the wheels and door sills.

## **Rust protection**

### **Control and Maintenance:**

Your Crawler is fully protected against rust at the factory.

There are two effective ways to prevent your vehicle from rusting:

- Keep your car clean! Clean by spraying water with the hose. When washing with high pressure water, keep the end of the hose at least 30 cm away from painted surfaces!
- Check the rust protective layer of your vehicle regularly and perform the necessary maintenance.

If you want to do the rustproofing yourself, clean and dry the area in question. Using the hose, flush the batteries with water, wash and dry the vehicle completely. Use a rustproofing agent applied with a spray or brush.

# TRC458

## Safety Warnings

### Safety Warnings



- Do not be in the caravan in motion!
  - Make sure that the gas stove is not turned on!
  - Make sure the doors and cabinets are locked on the move!
  - Stairs and fixing legs must be closed while moving.
  - The awning and the shower part must be put together and connected.
  - Lock and check the spare wheel.
- It is checked whether the connection with the vehicle is solid.
  - Tools and goods that can break should be placed in the cabinets. Otherwise, it may cause injury.
  - Electrical inputs and outputs should be checked.
  - Do not keep flammable and explosive materials in the vehicle.
  - Thanks to the automatic gas cut-off safety system, the stove turns itself off in case of emergency.
  - While the heater is performing its final blow, it can be turned on again, but the heater re-engagement will occur after the completion of the last blow.



# TRC458

## Return Clauses and Form



### Returning The Vehicle

Buyer; has the right to withdraw from the contract by rejecting the vehicle without taking any legal or criminal responsibility and without giving any reason, within fourteen days from the date of receipt of the vehicle in distance contracts for vehicle sales. In distance contracts related to service provision, this period starts on the date of signing of the contract. In the contract, if it is decided to perform the service before the expiry of fourteen days, the consumer can use his right of withdrawal until the start of the performance. The costs arising from the use of the right of withdrawal belong to the seller.

In order to exercise the right of withdrawal, the Buyer must notify the Seller by fax, telephone or e-mail within a period of fourteen days and the goods/services must be provided on the website [www.crawler.com](http://www.crawler.com), which is an integral part of this Agreement, within the framework of the provisions of Article 4 of the Distance Sales Contract. In accordance with the preliminary information published on the website, it is essential that the packaging and its contents are not damaged and can be offered for sale again by the Seller. The return procedures within the scope of the Right of Withdrawal are included in the Distance Sales Contract. If this right is exercised, it is obligatory to return the original invoice for the goods/services delivered to the 3rd party or the Buyer. The cost of goods/services and delivery costs are returned to the Buyer within 14 (fourteen) days at the latest following the receipt of the notice regarding the right of withdrawal, and the buyer is obliged to return the goods/service within 14 (ten) days. If the original invoice is not sent, VAT and other legal obligations cannot be refunded to the Buyer.

### Return Procedure

Before sending the vehicle to us, you must notify us of your return request by filling out the product return form on this page.

After the delivery confirmation regarding the return is sent to you by our technical department, please fill out the return form that comes with the vehicle and the vehicle confirmation information will be notified to you by phone or e-mail.

If the vehicle that comes to us is delivered in accordance with the return conditions, the refund of the vehicle amounts will be processed on the day the vehicle reaches us.

Which products are returned? The originality, hygiene and resaleability of the product must be preserved. For this reason, we cannot take the vehicle back in any way in case of damaged, destroyed or similar situations.

In case of returning the vehicle, we ask you to indicate the reason for the return of the vehicle.



## CRAWLER

### Return Form

**Corporation:** Crawler Türkiye

**Address:** Cumhuriyet Mahallesi, 23 Nisan Caddesi, No: 33 Çekmeköy / İstanbul  
TURKEY

**Telephone:** +90 (216) 606 17 51

**E-mail:** bilgi@crawler.com.tr

### Vehicle's;

**Model:** TRC458

**Banderole and Serial No:**

**Delivery Place and Date:**

**Return Period:** 14

## SELLER COMPANY;

**Title:**

**Address:**

**Telephone:**

**Invoice Date and No:**

**Signature stamp :**

## OWNER OF THE VEHICLE;

**Name surname:**

**Address:**

**Telephone:**

**Email:**

**Signature:**

# TRC458

## Used Product Sale Form



SELLER	
ID NO/ Passport NO	
Name Surname	
Place of Birth and Date	
Address	
Telephone	
ID Photocopy	

BUYER	
ID NO/ Passport NO	
Name Surname	
Place of Birth and Date	
Address	
Telephone	
ID Photocopy	

VEHICLE INFORMATION	
Brand	Crawler
Model	TRC458
Serial Number	
Color	
Specifications	
SELLER BUYER CORPORATION:CRAWLER	
Date	
Signature	



# TRC458

## Warrant Clause



1. The warranty period starts from the delivery date of the vehicle and is 2 years.
2. All parts of the vehicle, including all parts, are under our company's warranty.
3. In case of malfunction of the vehicle within the warranty period, the time spent in the repair is added to the warranty period. The repair time of the vehicle is maximum 20 working days. This period starts from the date of notification of the vehicle's related fault to the service station, and in the absence of a service station, to one of the vehicle's dealer, dealer, agency, representative, importer or manufacturer. If the malfunction of the vehicle is not resolved within 15 working days, the manufacturer or the importer; until the repair of the vehicle is completed, it has to allocate another good with similar characteristics to the use of the consumer.
4. If the vehicle breaks down due to material and workmanship or assembly errors during the warranty period, it will be repaired without any charge under any other name, such as labor cost, replacement part cost or any other name.
5. Despite the consumer's right to repair, the goods;
  - Within one year from the date of delivery to the consumer, provided that it remains within the specified warranty period; In addition to the fact that the same fault is repeated more than twice or different faults occur more than four, or the sum of different faults is more than six within the specified warranty period; these failures perpetuate the inability to benefit from the goods;

- Exceeding the maximum time required for its repair;
  - In the event that the company's service station is not available, the consumer may request a free replacement of the vehicle, a refund or a discount at the rate of defect, in cases where it is determined that the repair of the malfunction is not possible with a report to be issued by the seller, dealer, agency representative, importer or manufacturer, respectively, in case the service station is not available.
6. Defects arising from the use of the vehicle contrary to the points in the user manual are not covered by the warranty.
  7. For the problems that may arise regarding the Warranty Certificate, the Ministry of Customs and Trade may apply to the General Directorate of Protection of Consumer and Competition.



### USER ATTENTION!

- Devices sent to our authorized service for warranty must not have been tampered with or opened by anyone. Products that are interfered with or opened/dismantled by unauthorized persons are not covered by the warranty.
- The normal service life of the outer body is 10 years.

## **CRAWLER**

### **Warranty Clause**

**Corporation:** Crawler

**Address:** Cumhuriyet Mahallesi, 23 Nisan Caddesi, No: 33 Çekmeköy / İstanbul  
TURKEY

**Telephone:** +90 (216) 606 17 51

**E-mail:** bilgi@crawler.com.tr

## **VEHICLE;**

**Model:** TRC458

**Banderole and Serial No:**

**Delivery Date and Place:**

**Warranty Period:**

**Maximum Repair Time: 20 Business Days**

## **SELLER COMPANY;**

**Title:**

**Address:**

**Telephone:**

**Invoice Date and No:**

**Signature stamp:**

## **OWNER OF THE VEHICLE;**

**Name surname:**

**Address:**

**Telephone:**

**Email:**

**Signature:**