

User Manual for Mini-Caravan Trailer

GENERAL REMINDERS

- When storing the Mini-Caravan for an extended period of time, it is not recommended to use the handbrake. Instead, the wheels should be blocked with wheel chocks.
- During storage of the Mini-Caravan on an uneven surface, always use wheel chocks in addition to the handbrake.
- If the Mini-Caravan is equipped with a diesel heater, the towing vehicle must be equipped with a fire extinguisher.
- If the Mini-Caravan is used autonomously (without the towing vehicle nearby) and a diesel heater is installed in the trailer, then the Mini-Caravan itself must be equipped with a fire extinguisher.

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GENERAL REMINDERS

Maintenance and Cleaning of Flexible Solar Panels

The flexible solar panels installed on the roof of the Mini-Caravan are coated with a special protective layer that ensures moisture resistance, dirt protection, and shielding against UV radiation and mechanical damage. The integrity of this coating is critical to maintaining the performance and lifespan of the panels.

When cleaning the panels, please follow these instructions:

- Do not use a pressure washer or high-pressure water jet. Pressure washing may damage the protective coating, causing delamination (peeling) and premature failure of the panel.
- Do not scrub the panel surface with hard brushes, abrasive sponges, or cleaning agents. Mechanical abrasion can also damage the protective coating and reduce panel performance.
- For cleaning, use a soft cloth or sponge and lukewarm water. If necessary, a mild soap solution may be used, but strong chemicals must be avoided.

If the protective coating is damaged, moisture and dirt can penetrate the panel, increasing the risk of electrical failure, hot spots, and fire hazards. The electrical output and the lifespan of the panel will also be significantly reduced.

Note: Delamination is not repairable under warranty, and the damaged panel must be replaced to ensure safety.

BATTERY SYSTEM

Power switch ON/OFF:

turns the inverter on or off.

When in OFF position, there is no power in the trailer's AC socket (230V).



HEAD power switch ON/OFF:

when in OFF position, it turns off the entire circuit.

Charging through solar panels will not happen if the switch is OFF!



Solar panel power module

If the internal circuit is not activated, turn on the power button on the solar module.



Battery power level indicator: ON/OFF

It is recommended to keep it OFF when not in use to avoid unwanted battery discharge.



230V battery charger

Recommended to use when there is access to 230V power.



Support leg wrench

For raising or lowering the mini-caravan support legs.

After disconnecting the trailer from the vehicle, it is recommended to lower both front and rear legs.



DIESEL HEATER



6. Display in normal mode.



6.2 Screen in working mode.

MODE SELECTION

The device has two modes - temperature mode (Figure 6.3) and power mode (Figure 6.4).

To switch between modes:

- The mode can be easily changed by pressing  the gear button.
- Power and temperature can be adjusted using the  up/down arrows.



6.3 Temperature mode.



6.4. Power mode.

STARTING THE DIESEL HEATER

To turn on the device, there are two options - from the remote control or from the screen.

Press the  button on the device's remote control and screen.

The device will start up within a couple of minutes.

TURNING OFF THE DIESEL HEATING DEVICE

To turn off the device, there are two options - from the remote control or from the screen.

Press the  button on the device's remote control and screen.

The device will power off within a couple of minutes.

Possible errors:

Below are possible errors and how to detect them using the screen error codes. (Picture 7)

- E-01 – low voltage - check the battery.
- E-02 – overvoltage - check the battery.
- E-03 – faulty spark plug - check the wiring.
- E-04 – fuel pump malfunction - check if there is enough fuel.
- E-05 – overheating - check the screen wiring because the sensor is located in the screen.
Check if the device is running too fast.
- E-06 – engine malfunction.
- E-07 – loose wire connection - check the wiring.
- E-08 – flame extinguished - check the fuel line.
- E-09 – sensor malfunction - check the screen wiring.
- E-10 – ignition failure - check the wiring, fuel line, battery voltage, pump.



ADDITIONAL BED

1. Mount the carriers on the wall. The arrow on the carrier must point towards the rear of the trailer. **(Picture 8.)**
2. Lift the bed onto the carriers. Make sure the clamps fit into the openings. **(Picture 8.2.)**
3. Push the bed towards the rear of the trailer until the clamp is in the final position. **(Picture 8.3.)** The bed is in place and ready to use.

The bed can also be used as a shelf. To do this, install the bed on the taller carriers. To use as a shelf, follow the same steps as installation.



Picture 8.



Picture 8.2



Picture 8.3



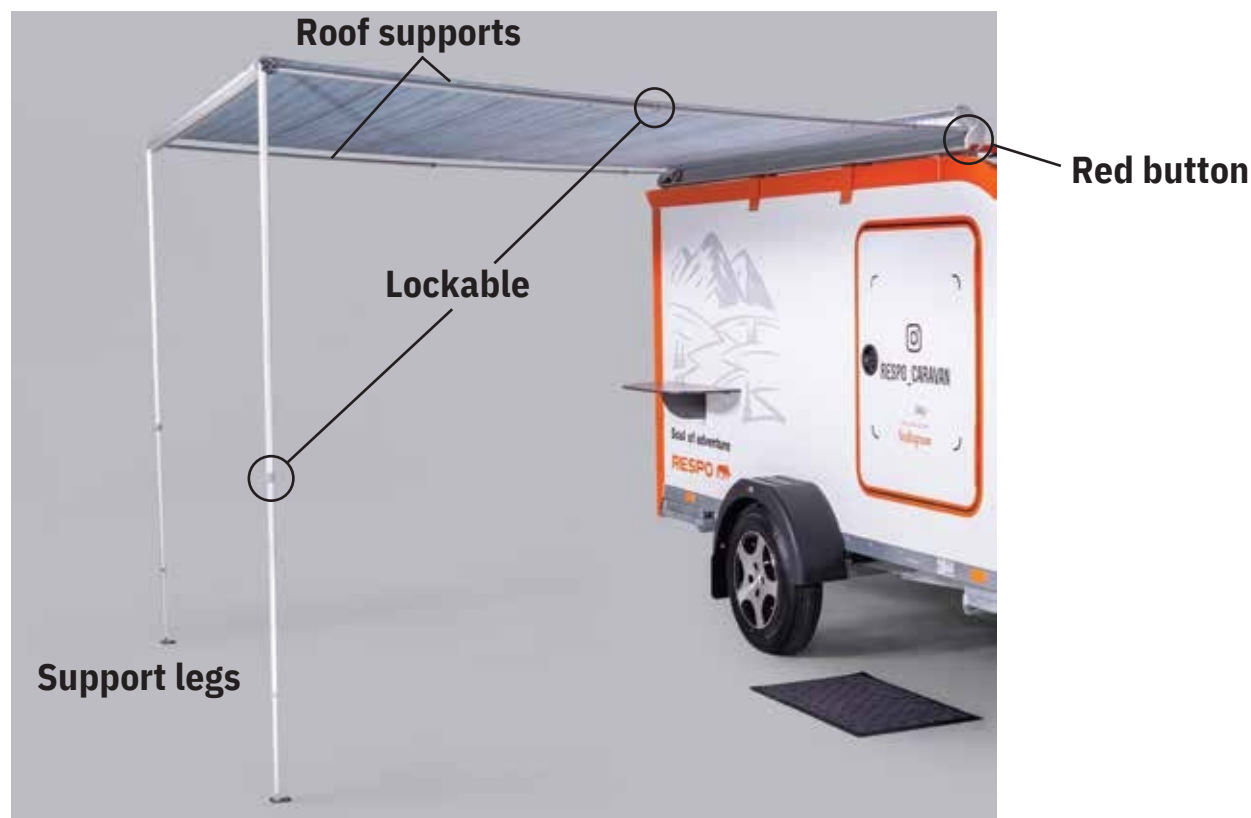
AWNINGS

ASSEMBLY

- Press the red buttons located at both ends of the awning and pull the awning out.
- If possible, it is more convenient to do this with two people.
- Pull out the telescopic supports inside the awning and slide them into the locking holes.
- Place the support legs on the ground.
- Connect the other end of the roof supports to the awning part on the trailer.
- Check the connection points of the supports.
- It is recommended to secure the awning support legs into the ground using stakes.

DISASSEMBLY

To disassemble the awning, disconnect the support, place them inside the awning tube, and roll the awning back into the holder.



Picture 9. Opened awning

MODULAR KITCHEN

The modular kitchen includes a mixer, a sink, and separate gas stoves.

The user manual for the gas stoves is in the gas stove case.

The mixer operates with electricity. On the backside of the modular kitchen, there is a two-level switch **(Picture 10)** that allows you to choose between two different power sources:

1. Internal battery compartment in the modular kitchen - Inside the modular kitchen, there is a battery compartment **(Picture 11)** that can hold 8 AA batteries. Ensure that the battery compartment switch is in the ON position and set to level I. With the batteries, you can pump approximately 17 tank fills (approximately 170 liters) of water before the batteries are completely drained.



The modular kitchen includes a mixer, a sink, gas stoves and sideboards.

2. From the trailer – The kitchen comes with a cord that needs to be plugged into the power supply. There are plugs attached to the front side of the trailer's shelf and on the right side of the trailer's rear end. Insert one end of the cord into the socket on the backside of the modular kitchen, and the other end into the socket inside the trailer. NB: Ensure that the switch is in the II position.



Picture 12. Cable connection between the trailer and the kitchen.



Picture 10. Switch and plug on the backside.



Picture 11. Internal battery compartment of the modular kitchen.

EMPTYING THE WASTE WATER CANISTER

- Release the straps holding the canisters.
- Pull the drainage pipe out of the canister's cap and lift the canister out of the kitchen. **(Picture 11)**
- Unscrew the cap of the canister and empty its contents.
- Screw the cap back on, place the canister in the cabinet, reconnect the drainage pipe.
- Secure the canister with the straps.



Picture 13. Emptying the waste water canister.

FILLING THE CANISTER WITH CLEAN WATER

- Release the straps holding the canisters.
- Pull the drainage pipe out of the canister's cap and lift the waste water canister out of the kitchen. **(Picture 14)**
- Unscrew the cap of the clean water canister and remove the cover with wires and hoses. **(Picture 15)**
- Lift the cap with the pump out of the canister.
- Fill the canister with clean water.
- Secure the cap with the pump back onto the canister.
- Place the canisters in the cabinet and reconnect the drainage hose.
- Secure the canisters with the straps.



Picture 14. Drainage canister disconnected.



Picture 15. Cap of the clean water canister unscrewed.



Picture 16. Clean water canister taken out of the kitchen.

SIDEBOARD INSTALLATION

- Lift the sideboard out of the pocket. **(Picture 17)**
- Turn the support downwards. **(Picture 18)**
- Attach the brackets to the openings on the sides of the kitchen. **(Picture 19)**



Picture 17. Sideboard in the pocket.



Picture 18. Support of the sideboard in the open position.



Picture 19. Openings on the sides of the kitchen.



Picture 20. Sideboard securely attached to the kitchen.