MANUAL HORSE TRUCKS

# Winter

CHECKLIST

KRISMAR

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### 1 | Water system

#### Water tank

Fresh water / grey water / toilet

When the temperature drops below zero degrees, it is advisable to empty all tanks. This can be done by manually opening the drain valves at the bottom of the tank. Freshwater tanks are always equipped with manual drain valves, while gray water tanks and toilet tanks may be equipped with electric drain valves, which can be opened using the designated switch (refer to the manual provided in the truck for instructions). Once the tanks are empty, leave them open and protect them (slides) by spraying them with WD40 or silicone spray.

If you have heated tanks and pipes, verify that this system is activated. In freezing conditions, this system will be automatically activated.

**Note**: Ensure that the truck is always provided with external power. In the absence of external power, the battery voltage will quickly reach a critical level, resulting in the complete failure of the equipment. If the battery voltage is too low, an external charger must be used to restore it. If the battery voltage repeatedly reaches the critical point, the batteries will no longer function and must be replaced with new ones, which is not covered by the warranty.

#### Hot water boiler

The water boiler is located in the water system compartment on the exterior of your truck. At the bottom of the water heater, you will see the tap where you need to drain the water from the boiler.

Note: Before performing this action, first unplug the water heater.

#### · Water pump:

When the water tanks are emptied, open all taps in the living area and bathroom. If your truck is equipped with water faucets under the living area, also open, release the presure and leave open. Let the water pump run for a while until no more water runs out of the taps.

**Note:** Do not let the water pump run long; it should not run dry. Turn off the water pump once the water stops flowing. As long as there is water in the prefilter of the pump, there is no problem. The pump will not operate if the water tank is empty; there is a built-in safety feature for that. When the tanks are empty, you should empty the pump filter to prevent freezing! Unscrew the transparent cap from the filter. After the water is drained, securely fasten it back by screwing it in place again.

#### · Water hose

If your truck is equipped with a water hose reel, disconnect the hose from the tap and open the tap to release any pressure from the pipe. Leave the tap open.

#### · Toilet

Flush the toilet once to release the water pressure from the system.

In a porcelain toilet, there always remains some water in the bowl. To prevent freezing damage to the porcelain, you should also add some antifreeze to the toilet bowl.

#### · Faucets

Place all taps in your vehicle in the "open" position so that the pressure on the pipes between the boiler/water pump and the tap is relieved and the seals of the taps can not freeze.

### 2 | Use of your truck during winter

If you fill the water tanks before you leave for a competition or training, we advise you to wait with activating the boiler and the water pump until you arrive at your destination. If you use the water pump before departure, pressure is restored to the system, and there is a risk of components breaking due to freezing during transit. If you do not intend to use the water system, we advise turning off the water pump and to open all faucets to relieve pressure from the pipes.



## 3 | Other points of attention

#### · Pop-out /pop-up

Make sure, when opening the pop-out and pop-up, the sealing rubbers are not frozen solid. When closing, always remove snow or ice from the roof and side panels before closing. This prevents damage to the electrical motors.

#### · Horse Compartment

During the winter, we recommend closing all windows, skylights, and fans in the horse compartment to keep out water and freezing cold.

#### · Door and compartment locks

Make sure that you always have defrosting agents against frozen locks, doors and windows at your disposal. You can purchase ice clearance at the service stations along the highway. Coat rubbers and doors with talcum powder or silicone spray to prevent freezing.

Tip: place the defrosting in an unlocked compartment.

#### . Fuel engines

Winterize diesel engines. The so-called winter diesel prevents the diesel in the tank from flaking due to the cold.

#### · Satellite system

Always make sure that the satellite on the roof platform is free of leaves, ice, snow and other materials. In very severe frost, parts that have to make a necessary movement can get stuck, in this case NEVER use them without defrosting.

#### Heating

Leave the webasto heating system in continuous operation at a low temperature so your living area remains slightly heated. By doing this your living space remains free from moisture, preventing potential issues.

Point of attention: Make sure that the necessary external power supply, otherwise the webasto will reduce the battery voltage in a very short period of time, also ensure that the diesel tank is sufficiently filled with winter diesel.

**Tip:** Do not set the temperature high in order to minimize fuel consumption. We recommend 10 degrees when not using your truck.



# TIPS

- Try to keep your lights free from snow and dirt.
- Avoid short trips when possible. Cold weather accelerates battery discharge, and short trips may not provide sufficient time for recharge.
- Carry snow chains and check the relevant regulations for each country. Some countries may require or prohibit their use.
- Always have road salt on hand to ensure the safe loading and unloading of your horses.
- Exercise caution on the road, and don't forget to enjoy the winter magic.

