



S 3004 / S 3004 P / S 5004

GB **Operating instructions**
To be kept in the vehicle!

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Operating instructions

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Safety instructions

An open roof window / skylight in the area of the roof cowl holds the risk of entry of exhaust gas into the vehicle interior. The heater may only be operated when the roof window / skylight is closed.

The use of upright gas cylinders from which gas is **extracted in the gas phase** is mandatory when gas regulators, gas equipment and gas systems are being operated. Gas cylinders from which gas is taken in the liquid phase (e.g. for fork lifts) must not be used, since they would result in damage to the gas system.

If the gas system is leaking or if there is a smell of gas:

- Extinguish all naked flames
- Do not smoke
- Switch off gas appliances
- Close gas cylinder
- Open windows and doors
- Do not operate any electric switches
- Have the entire system inspected by an expert!

 Repairs may only be carried out by an expert!

A new O-ring must be fitted whenever the exhaust duct has been removed!

Guarantee claims, warranty claims and acceptance of liability will be ruled out in the event of the following:

- Modifications to the device (including accessories)
- Modifications to the exhaust duct and the cowl
- Failure to use original Truma parts as replacement parts and accessories
- Failure to follow the installation and operating instructions.

This may also invalidate the device operating permit, which in many countries also denotes cancellation of the vehicle operating permit.

The operating pressure of the gas supply (30 mbar) must correspond with the operating pressure of the unit (see type plate).

Liquid gas systems must comply with the technical and administrative regulations of the respective country of use (e.g. EN 1949 for vehicles). The national legislation and regulations (e.g. DVGW Work Sheet G 607 in Germany) must be observed.

In Germany, the gas system must be checked every 2 years by a liquid gas specialist (DVFG, TÜV, DEKRA). This must be confirmed on the test certificate in accordance with DVGW work sheet G 607.

The vehicle owner is responsible for having the check carried out.






Liquid gas equipment must not be used when refuelling, in multi-storey car parks, in garages or on ferries.

During the initial operation of a brand new appliance (or after it has not been used for some time), small quantities of fumes and a slight odour may briefly occur. It is a good idea to allow the device to run at maximum output immediately and ensure that the area is well ventilated.

An unusual burning noise or flame increase is indicative of a regulator defect and means that the regulator must be checked.

Heat-sensitive objects (such as spray cans) may not be stored in the same compartment where the heater is installed because this area may be subject to elevated temperatures.

Symbols used

-  Symbol indicates a possible hazard.
-  Risk of burns! Hot surface.
-  Wear protective gloves to prevent possible mechanical injuries.
-  Please pay attention to the ESD regulations! Electrostatic charge can destroy the electronics. Ensure that potential compensation is present before touching the electronics.
-  Note containing information and tips.

Only pressure regulating equipment that complies with EN 12864 (in vehicles) with fixed output pressure of 30 mbar may be used for the gas system. The flow rate of the pressure regulating equipment must at least match the maximum consumption of all the equipment that is installed.

We recommend the Truma MonoControl CS gas pressure regulation system for vehicles and the Truma DuoComfort / DuoControl CS gas pressure regulation system for dual-cylinder gas systems.

At temperatures of around 0 °C and below, the gas pressure regulation system or the changeover valve should be operated with the EisEx regulator heater.

Controller connecting hoses that meet national regulations must always be used in the respective country for which the equipment is destined. These hoses must be checked regularly for brittleness.

Pressure regulating devices and hoses must be replaced with new ones no more than 10 years after their date of manufacture (every 8 years if used commercially). This is the responsibility of the operator.


Important operating notes

The combustion air intake beneath the vehicle floor must be kept clear of dirt and slush.

The roof cowl must be kept free in the air flow during operation of the heater. Roof structures may interfere with the function of the heater.

Snow must be cleared from the cowl before the heater is started up during the winter. For winter camping and long-term camping we recommend the SKV cowl extension kit (3 x 15 cm – part no. 30690-00) that can be screwed to the cowl part.

If the heater keeps going out in extremely windy locations or during the winter, we recommend the use of an AKV cowl extension (15 cm – part no. 30010-20800) and also the T2 (part no. 30700-02) or T3 (part no. 30700-03) cowl top.

 If two or three 15 cm extensions are used, they must be removed before the vehicle is in motion so that they are not lost (risk of accident). Remaining extensions must be screwed in place.

If a canopy is fitted to the caravan, it is essential to lead the roof cowl through this roof. Use the UEK cowl leadthrough (part no. 30630-04)!

The **heat exchanger**, the **exhaust pipe** and all connections must be **checked by an expert** at regular intervals, and always **after loud combustion** (misfiring).


The exhaust duct must:


- be firmly attached to the heater and the cowl **without leaks**,
- consist of one piece (without joints),
- be routed **without cross-section narrowing** and **rising over its entire length**,
- be **firmly attached with several clamps** together with the insulating duct.

No objects must be placed onto the exhaust pipe, since this could lead to damage.

 **Heaters with wrongly fitted or damaged exhaust pipes or damaged heat exchangers must not continue to be used!**

The warm air outlet on the heater must not be impaired under any circumstance. Therefore, no textiles or similar are to be hung in front of or onto the heater for drying. Incorrect use can damage your heater and the textiles caused by overheating. Do not bring any combustible objects in the vicinity of the heater!

 **The heater casing becomes hot by design during operation. Due diligence towards third parties (particularly small children) lies with the user.**

 If **no** safety shut-off device (e.g. as contained within the Truma MonoControl CS gas pressure regulation system) has been installed, the gas cylinder must be closed when driving and **information signs** must be attached in the gas cylinder protection box and in the vicinity of the control panel.

The safety shut-off device is also recommended for safety reasons if caravans are being heated while driving.

Always observe the operating instructions and the “Important operating instructions” prior to starting!

The vehicle owner is responsible for correct operation of the appliance.

The stickers enclosed with the device must be affixed by the installer or vehicle owner in a location in the vehicle that is clearly visible to all users! Missing stickers are available from Truma on request.

Heating while driving

For heating while driving, the regulation (EC) No. 661/2009 and the binding UN/ECE regulation R 122 stipulate a safety shut-off device for motor homes and caravans. The Truma MonoControl CS gas pressure regulation system satisfies this requirement.

Installing a safety shut-off device such as the Truma MonoControl CS gas pressure regulation system with appropriately configured gas installation means that a type-tested liquid gas heater may be used in line with the aforementioned regulations while driving throughout Europe.

Intended use

This heater was designed for installation in caravans and other trailers. The S 3004 / S 3004 P heater is also suitable for installation in motor homes. Installation in boats is not permitted.

S 3004 / S 3004 P

The 3004 / S 3004 P heater is approved for installation in passenger transport motor vehicles (vehicle class M1 motor homes) with no more than 8 seats (excluding the driver's seat) and for installation in trailers (vehicle class O caravans).

The equipment must not be installed in buses (vehicle classes M2 and M3) or vehicles for transporting hazardous goods.

If the equipment is installed in special vehicles, the applicable regulations must be followed.

S 5004

The S 5004 heater is approved for installation in trailers (vehicle class O caravans).

The equipment must not be installed in motor homes (vehicle class M1), buses (vehicle classes M2 and M3) or vehicles for transporting hazardous goods.

If the equipment is installed in special vehicles, the applicable regulations must be followed.

S 3004 / S 3004 P heater

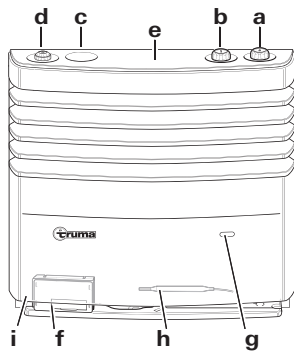


Fig. 1

- a = Control knob (Thermostat)
- b = Piezo ignitor (S 3004 P)
- c = Blind cover
- d = Integrated control panel for a TEB-3 Truma fan
- e = Sensor surface for switching the lighting on (optional)
- f = Automatic ignition device with battery compartment (S 3004)
- g = Mica window for observing the flame
- h = Thermostat sensor
- i = Type plate (remove cover)

i The diagram shows right-handed installation. With left-handed installation, the parts are located on the other side (mirror inverted)

S 5004 heater

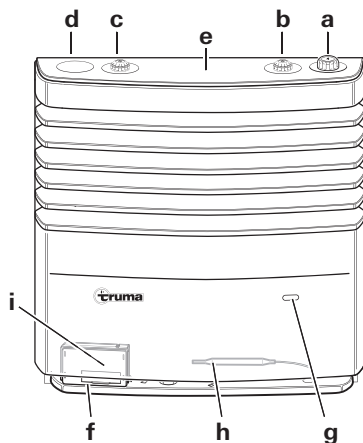


Fig. 2

- a = Control knob (Thermostat)
- b = Integrated control panel for a TEB-3 Truma fan
- c = Integrated control panel for a second TEB-3 Truma fan
- d = Blind cover
- e = Sensor surface for switching the lighting on (optional)
- f = Automatic ignition device with battery compartment
- g = Mica window for observing the flame
- h = Thermostat sensor
- i = Type plate (remove cover)

i The diagram shows right-handed installation. With left-handed installation, the parts are located on the other side (mirror inverted) One or two fans can be installed. A special installation box is available for installing two fans.

Start-up

S 3004 P with piezo ignitor

1. Open gas cylinder and quick-acting valve in gas supply line.
2. Turn control knob (a) to thermostat position 1 – 5 and push in as far as it will go. At the same time, repeatedly press piezo ignitor at rapid intervals until the flame is burning.

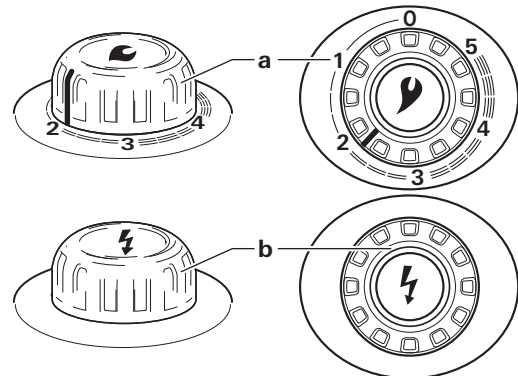


Fig. 3

3. Keep the control knob (a) held down for up to 10 seconds so that the safety pilot responds.
4. Observe the flame through the Mica window for another 10 seconds to see whether or not the flame is extinguished due to air in the line (caused by exchanging the gas cylinders).

! Do not re-ignite within 3 minutes under any circumstances, otherwise there is a risk of misfiring! This also applies if a heater that is already in operation goes out and is re-ignited.

If the gas supply line is full of air, it may take up to two minutes before gas is available to burn. During this time the control knob must be held down and the piezo ignitor operated continuously until the flame is burning.

5. In order to achieve even and quick warm air distribution and to minimise the surface temperatures at the warm air outlet grille, we recommend operating the heater with the Truma warm air system running.

i The S 3004 P heater (with piezo ignitor) is designed so that an auto ignitor (part no. 30580-01) can be retrofitted.

S 3004 / S 5004 with auto ignitor

Before initial start-up, ensure that a battery has been inserted (see "Auto ignitor battery change").

1. Open gas cylinder and quick-acting valve in the gas supply line.
2. Turn control knob (a) to thermostat position 1 -5 and push in as far as it will go. Ignition takes place automatically (audible ignition spark) until the flame is burning.

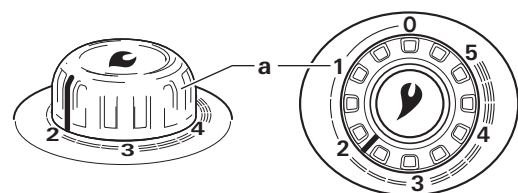


Fig. 4

Keep the control knob held down for up to 10 seconds so that the safety pilot responds.

! In the event of problems, wait for 3 minutes before attempting to re-ignite, otherwise misfiring may occur!

If the flame goes out during operation, immediate re-ignition takes place within the closing time of the safety pilot (approx. 30 seconds).

If no flame occurs, the auto ignitor continues operating until the control knob (a) is moved to "0".

If the gas supply line is full of air, it may take up to two minutes before gas is available to burn. During this time the control knob must be held down until the flame is burning.

3. In order to achieve even and quick warm air distribution and to minimise the surface temperatures at the warm air outlet grille, we recommend operating the heater with the Truma warm air system running.

Operation of the fan

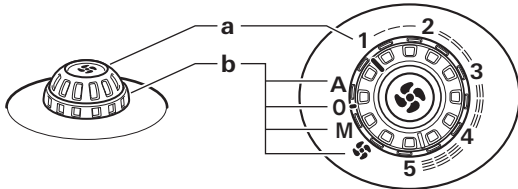



Fig. 5

a = Control knob / dial for fan power (1 – 5)

b = Rotary switch / dial for operating modes

- A Automatic – The electronics control the required fan power and limit the speed to the set value.
- 0 OFF – Switch off fan.
- M Manual – Set the required fan power.
-  Booster level – Set fan speed to the highest value (for maximum air volume flow).

Lighting

The lighting (optional) for the control panels is activated by a proximity switch. To do this, touch the middle of the cover from above. This switches on the lighting for approx. 20 seconds.

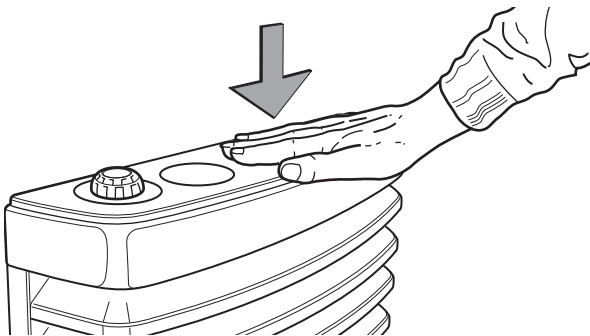


Fig. 6

i The sensor electronics of the lighting calibrate themselves whenever the 12 V supply voltage is applied. This can take several seconds. Do not touch the cover during calibration.

Room thermostat

An average room temperature of approx. 22 °C can be achieved with a thermostat setting of approx. **3 without fan operation**. We recommend operation **with the fan** and a thermostat setting of approx. **4** for comfortable warm air distribution and to reduce the amount of condensation on cold surfaces.

The exact thermostat setting must be determined in accordance with the design of the vehicle and the individual heating requirement.

i The thermostat sensor is located at the bottom of the heater. Please note that cold draughts caused by refrigerator ventilation, door cracks etc. or deep pile carpets adversely affect the thermostat. Sources of interference such as this must be remedied, otherwise there is no guarantee of satisfactory temperature control.

Switching off


Set the control knob of the heater to position "0". (the auto ignitor is switched off at the same time).


Switch off fan (move rotary switch to "0").

If the unit is not going to be used for a long period of time, close the quick-acting valve in the gas supply line and turn off the gas cylinder.

Maintenance

Should problems occur, please contact the Truma Service Centre or one of our authorised service partners (see www.truma.com).


 In spite of careful manufacturing, the heater may contain sharp parts. Therefore, please always use protective gloves during maintenance and cleaning work!

 Please pay attention to the ESD regulations! There is a risk that the electronics may be damaged due to electrostatic charging. All repairs must be carried out by an expert!

Cleaning (only when the unit is switched off!)

It is advisable to remove accumulated dust from the heat exchanger, the floor plate and the fan wheel of the Truma warm air system at least once a year before the beginning of the heating season. Carefully clean the fan wheel with a paintbrush or small brush.

Removing the cover

 Do not remove the cover unless the heater is switched off and has cooled down.

The cover is unlocked by pushing the two locking levers (1) outwards simultaneously. It can be swivelled out and lifted from the lower bearings.

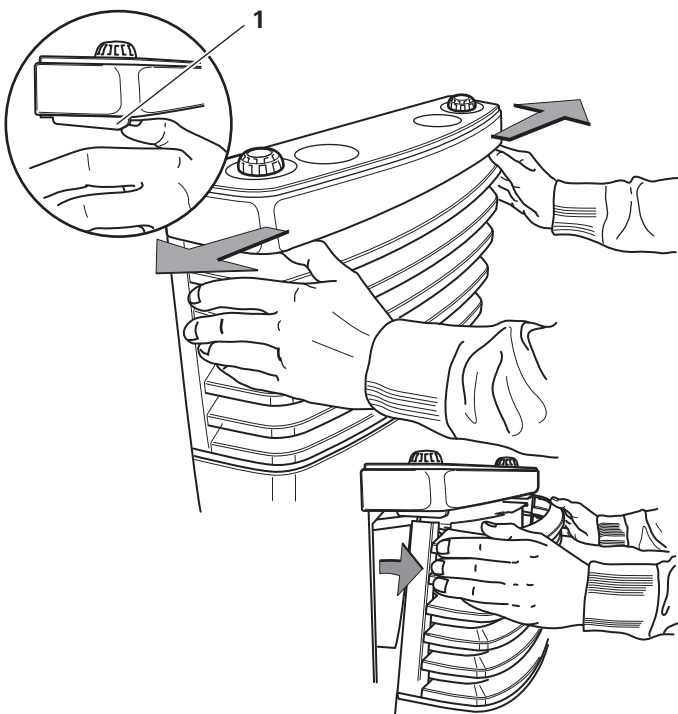


Fig. 7

Attaching the cover

Hook cover into the lower bearings (1) and swivel in (2) until catch audibly engages. Pull cover to make sure that it is securely attached.

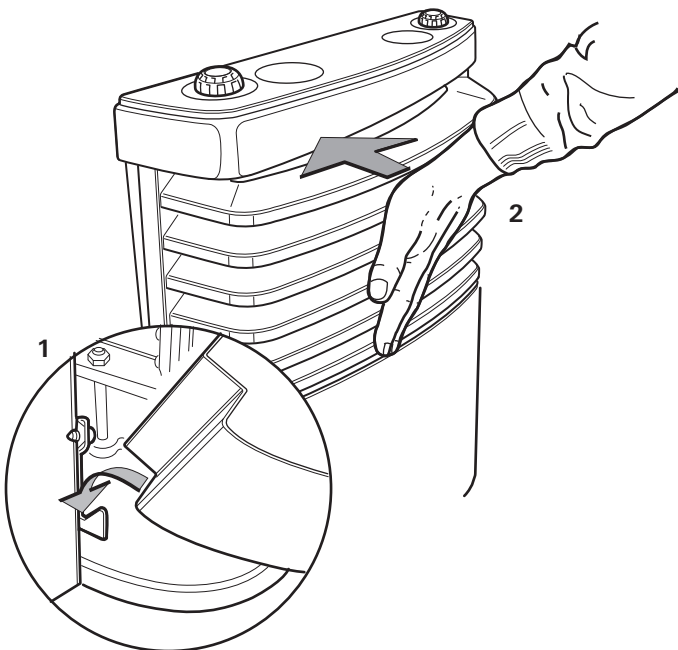


Fig. 8

Auto ignitor battery change

If no ignition spark is heard during start-up or only at intervals of more than one second, the battery must be replaced.

Always ensure that the heater is switched off before replacing battery. Insert a new battery at beginning of every heating season! Dispose of old batteries properly!

Always use temperature resistant (+70 °C), leakproof Mignon batteries (LR 6, AA, AM 3) (part no. 30030-99200), other batteries could cause malfunctions!

Remove cover, slide battery compartment cover upwards and change the battery. Pay attention to positive / negative. Close battery compartment again. Re-attach the cover.

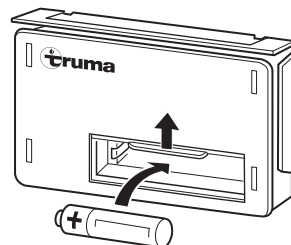


Fig. 9

Special information

If the vehicle floor is being coated with underfloor protection, all heater parts located beneath the vehicle must be covered so that the resulting spray mist does not cause heater system malfunctions. Remove covers again when the work is complete.

Disposal

Dispose of the device and battery in the auto ignitor separately in accordance with the administrative regulations of the relevant country of use. National regulations and laws (in Germany, for example, the End-of-life Vehicle Regulation) must be observed.

In other countries, the relevant regulations must be observed.

Technical data

(determined in accordance with EN 624 or Truma test conditions)

S 3004 / S 3004 P / S 5004

Type of gas

Liquid gas (propane / butane)

Operating pressure

30 mbar (see type plate)

Rated thermal output

S 3004 / S 3004 P: 3500 W

S 5004: 6000 W

Gas consumption

S 3004 / S 3004 P: 30 – 280 g/h

S 5004: 60 – 480 g/h

Additional information according to EN 624

S 3004 / S 3004 P: $Q_n = 4.0$ kW (Hs); 290 g/h; $C_{51}; I_{3B/P}$

S 5004: $Q_n = 6.8$ kW (Hs); 490 g/h; $C_{51}; I_{3B/P}$

Destination countries

BE, BG, RO, DK, DE, EE, FI, FR, GB, GR, UK, IS, IE, IT, LV, LT, LU, MT, NL, NO, AT, PL, PT, SE, CH, SK, SI, ES, CZ, HU, CY

Operating voltage

1.5 V (battery operated auto ignitor)

Power consumption

225 mW (ignition)

Weight

S 3004 / S 3004 P: approx. 10.3 kg (without fan)

S 5004: approx. 17.5 kg (without fan)

CE product ID number

S 3004 / S 3004 P: CE-0085CM0287

S 5004: CE-0085CM0288

CE 0085



Subject to technical changes.

Dimensions

S 3004 / S 3004 P

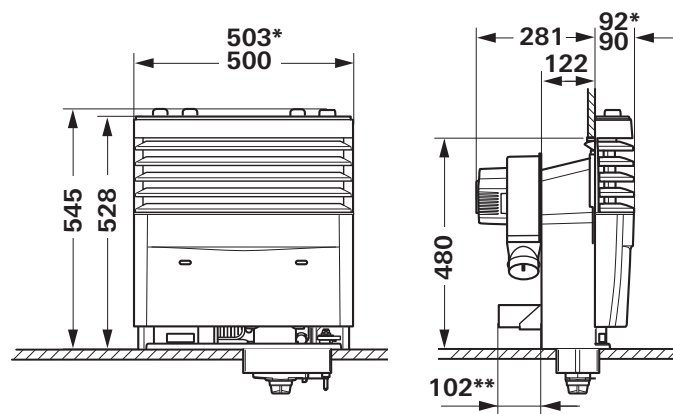


Fig. 10

S 5004

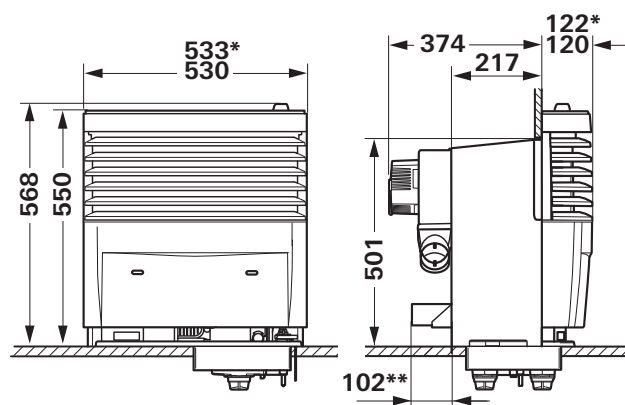


Fig. 11

* With decorative chrome strip

** Truma Ultraheat (optional)

Measurements in mm with tolerance of + 2 mm / - 1 mm
Subject to technical changes.

Manufacturer's Warranty (European Union)

1. Scope of Manufacturer's Warranty

As the Manufacturer of the unit, Truma undertakes a warranty towards the Consumer that covers any material and/or manufacturing defects of the unit.

This Warranty is applicable in EU member states as well as in Iceland, Norway, Switzerland and Turkey. A Consumer is the natural person who was the first one to purchase the unit from the Manufacturer, OEM or dealer and who neither resold the unit in a commercial or self-employed professional capacity nor did he or she install it for a third party in such a capacity.

The Manufacturer's Warranty covers any of the aforementioned defects that occur within 24 months upon concluding the purchase agreement between the seller and the Consumer. The Manufacturer or an authorised service partner undertakes to remedy such defects through subsequent fulfilment, i.e. at its discretion either by repairing or replacing the defective item. Any defective parts shall become the property of the Manufacturer or the authorised service partner. If the unit is no longer manufactured at the time of defect notification and if replacement delivery has been opted for, then the Manufacturer may deliver a similar product.

If the Manufacturer remedies a defect under its warranty commitment, the term of the Warranty shall not recommence anew with regard to the repaired or replaced parts; rather, the original warranty period shall continue to be applicable to the unit. Only the Manufacturer itself and an authorised service partner shall be entitled to conduct a warranty job. Any costs that occur in the event of a warranty claim shall be settled directly between the authorised service partner and the Manufacturer. The Warranty does not cover additional costs arising from complicated removal or installation jobs on the unit (e.g. dismantling of furnishings or parts of the vehicle body), and neither does it cover travel expenses incurred by the authorised service partner or the Manufacturer.

No further-reaching claims shall be permitted, especially damage claims presented by the Consumer or third parties. This provision shall not affect the validity of the German Product Liability Act (Produkthaftungsgesetz).

Neither does the voluntary Manufacturer's Warranty affect the Consumer's legally applicable claims for defects towards the seller in the relevant country of purchase. In individual countries there may be warranties that can be issued by the relevant dealer (official distributor, Truma Partner). In such cases the warranty can be implemented directly through the dealer from whom the Consumer bought the unit. The warranty regulations of the country in which the unit was purchased by the Consumer for the first time shall also be applicable.

2. Warranty exclusions

No warranty claim shall be applicable under the following circumstances:

- Improper use, contrary to the specified use
- Improper installation, assembly or commissioning, contrary to operating or installation instructions
- Improper operation, contrary to operating or installation instructions, particularly maintenance, care and warning notes
- Instances where repairs, installations or any other procedures have been conducted by non-authorised partners
- Consumable materials and parts which are subject to natural wear and tear
- Installation of replacement, supplementary or accessory parts that are not original Manufacturer's parts and which have thus caused a defect
- Damage arising from foreign substances (e.g. oils, plasticisers in the gas), chemical or electrochemical influences in the water, or cases when the unit has come into contact with unsuitable substances (e.g. chemical products, unsuitable cleaning agents)

- Damage caused by abnormal environmental or unsuitable operating conditions
- Damage caused by force majeure or natural disasters or any other influences not within Truma's responsibility
- Damage resulting from improper transport

3. Making a warranty claim

The warranty must be claimed with an authorised service partner or at the Truma Service Centre. All the relevant addresses and phone numbers can be found at www.truma.com, in the "Service" section.

To ensure a smooth procedure, we should be grateful if you could have the following details ready before contacting us:

- Detailed description of the defect
- Serial number of the unit
- Date of purchase

The authorised service partner or the Truma Service Centre will then specify the further procedure. To avoid transport damage, the affected unit must only be shipped upon prior arrangement with the authorised service partner or the Truma Service Centre.

If the warranty claim is recognised by the Manufacturer, then the transport expenses shall be borne by the same. If no warranty claim is applicable, the Consumer will be notified accordingly and any repair and transport expenses shall then be the Consumer's liability. We must ask you not to send in a unit without prior arrangement.

D Bei Störungen wenden Sie sich bitte an das Truma Servicezentrum oder an einen unserer autorisierten Servicepartner (siehe www.truma.com).

Für eine rasche Bearbeitung halten Sie bitte Gerätetyp und Seriennummer (siehe Typenschild) bereit.

GB Should problems occur, please contact the Truma Service Centre or one of our authorised service partners (see www.truma.com).

In order to avoid delays, please have the unit model and serial number ready (see type plate).

F Veuillez vous adresser au centre de SAV Truma ou à un de nos partenaires de SAV agréés en cas de dysfonctionnements (voir www.truma.com).

Pour un traitement rapide de votre demande, veuillez tenir prêts le type d'appareil et le numéro de série (voir plaque signalétique).

I In caso di guasti rivolgersi al centro di assistenza Truma o a un nostro partner di assistenza autorizzato (consultare il sito www.truma.com).

Affinché la richiesta possa essere elaborata rapidamente, tenere a portata di mano il modello dell'apparecchio e il numero di matricola (vedere targa dati).

NL Bij storingen kunt u contact opnemen met het Truma Servicecentrum of met een van onze erkende servicepartners (zie www.truma.com).

Voor een snelle bediening dient u apparaattype en serienummer (zie typeplaat) gereed te houden.

DK Ved fejl kontaktes Trumas serviceafdeling eller en af vores autoriserede servicepartnere (se www.truma.com).

Sørg for at have oplysninger om apparattype og serienummer (se typeskiltet) klar for hurtig behandling.

S Vid fel kontakta Truma servicecenter eller någon av våra auktoriserade servicepartner (se www.truma.com).

För snabb handläggning bör du ha aggregatets typ och serienummer (se typskylten) till hands.

E Las instrucciones de uso y montaje en su idioma pueden ser solicitadas al fabricante Truma o al servicio Truma de su país.

FIN Käyttö- ja asennusohjeita on saatavissa Trumavalmistajalta tai Truma huollosta.

N Bruksanvisningen og monteringsveiledningen på ditt språk kan fås hos produsenten Truma eller hos Truma Service i ditt land.

CZ Návod k použití a montážní návod si lze v řeči Vaší země vyžádat u výrobce Truma nebo servisu Truma ve Vaší zemi.

PL Instrukcji użytkowania i montażu w Państwa języku narodowym można zażądać u producenta firmy Truma lub w serwisie firmy Truma w Państwa kraju.

SLO Navodilo za uporabo in vgradnjo v svojem državnem jeziku lahko naročite pri proizvajalcu Truma ali pri servisni službi Truma v vaši državi.