

Operating instructions

Installation instructions

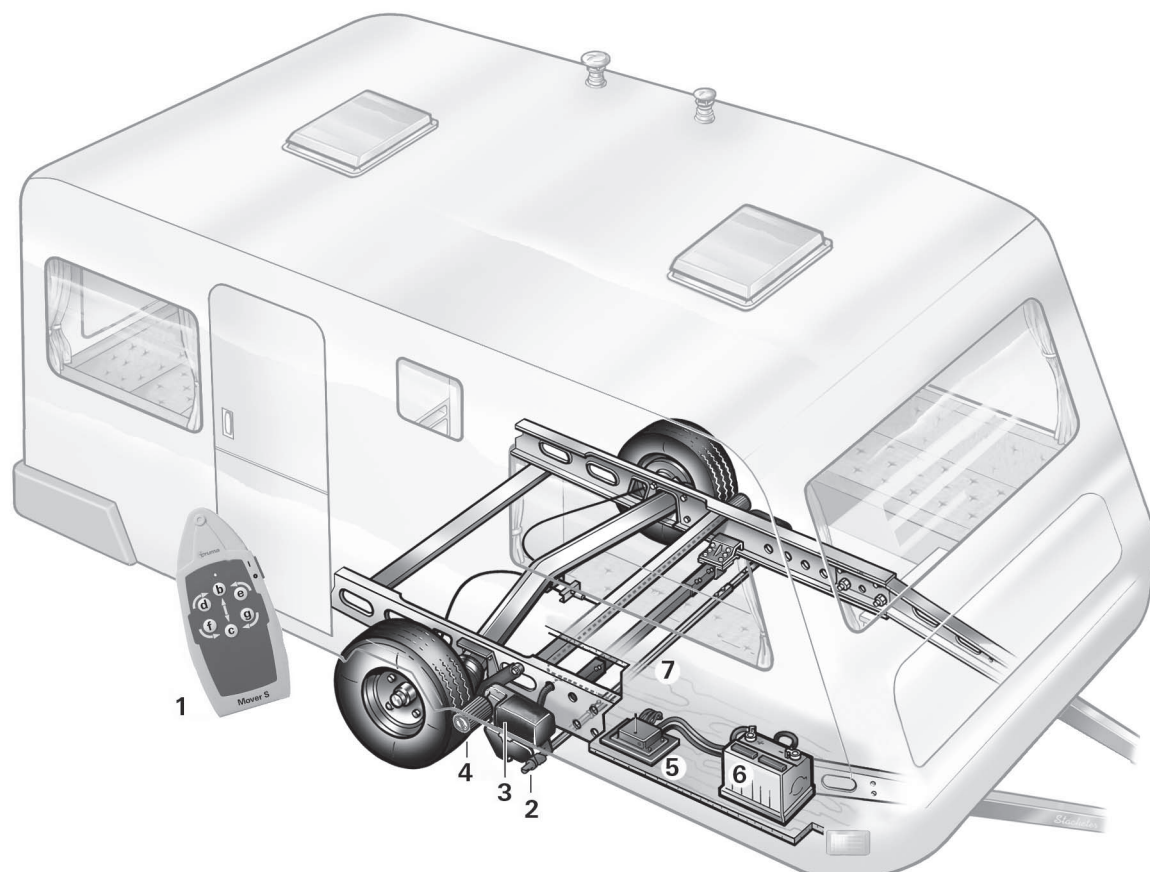
To be kept in the vehicle!

Page 3

Page 6

Mover S

Version UK



Installation example

- 1 Remote handset
- 2 Toggle crank
- 3 Drive motor
- 4 Drive roller
- 5 Electronic control unit
- 6 Battery
- 7 Cross actuation device



Safety-related instructions

- Practice operating the Mover in an open area before using for the first time. **This to fully familiarise yourself with the handset/mover operation.**
- Always check tyres and drive rollers before using the equipment; remove sharp-edged stones and the like if necessary.
- No person must be present in the caravan during operation.
- **All persons (particularly children)** must remain outside the Mover operating area.
- The distance between the radio remote hand set and the centre of the caravan when manoeuvring **must not exceed 10 m!**
- In the event of malfunctions pull on the handbrake.
- To prevent the caravan from tipping, direct the tow hitch downhill when manoeuvring down a slope.
- After manoeuvring, always **apply the handbrake** first, **swivel the drive rollers away from the tyres** and **block the wheels** (particularly on downwards-sloping surfaces). The Mover is **not suitable for use as a parking brake** for a parked caravan.
- Ensure that remote radio control is protected from unauthorised access (particularly by children!).
- Never tow the caravan with the drive rollers applied. This can cause damage to the tyres, the towing vehicle and the drive units.
- All wheels and tyres on the caravan must be of the same size and design.
- In order to ensure that the Mover operates correctly, the distance between the tyres and the swivelled-out drive rollers must be 20 mm. All tyres must have the same inflation pressure as per the manufacturer's instructions (check at regular intervals!). If tyres are worn or new tyres are fitted, the distance between the drive rollers and the tyres may need readjusting (see „Installation of the drive units“).
- Do **not** use the Mover as a support when jacking up the caravan, since this can damage the drive unit.
- Sensitive objects such as cameras, cassette players (Walkmans) etc. must not be kept in the stowage box near the control unit or the motor cable. They can be damaged by the electromagnetic fields.
- The empty weight of the vehicle increases by the weight of the Movers, which reduces the payload of the vehicle.



General instructions

The Mover S has been designed to cope with inclines of up to approx. 25% bearing a gross weight of 1200 kg or 15% bearing a gross weight of 1800 kg on a suitable surface.

Depending on the weight of the caravan, the Mover cannot overcome obstructions that are more than about 2.0 cm in height without assistance (please use wedges as a ramp).

Due to the nature of a radio signal, it can get corrupted by external terrain or objects. So there may be small areas around the caravan where the quality of reception reduces, hence the Mover may stop momentarily.



When the Mover is switched off using the remote control the control unit remains in standby. In order to switch off completely the battery must be disconnected or switched off using the isolating switch.

Batteries

We recommend the use of so-called drive and lighting batteries. Gel batteries and round cell batteries are also suitable.

These batteries are designed for high power demands and have an extremely long service life. The maximum power consumption of the Mover on the steepest incline and carrying the maximum weight is 120 A. The correct choice of battery depends on the usage period and the scope of use (other consumers in caravan). For mover operation we recommend batteries with a capacity of approx. 60 Ah or more.

Example:

A fully charged lead-acid battery with a capacity of 60 Ah allows the Mover to be operated for approximately 30 minutes with a full load (depending on weight of caravan, battery type and terrain). On level terrain the Mover has average power consumption of approximately 20 A and therefore an operating time of approx. 3 hours.

The use of gel batteries or round cell batteries means that smaller batteries can be used.

Batteries with more capacity allow the equipment to be used for longer.

We recommend the use of chargers with the LuoU characteristic curve (e.g. Truma battery charger NT 12/3-18, Part no. 39901-01). These chargers prevent the battery from being damaged because of overcharging, for example.



Because of the limited charging current, the charger cannot be used for rapid charging.

Function description

Always observe the operating instructions and „Safety-related instructions“ prior to starting! The vehicle owner is responsible for correct operation of the appliance.

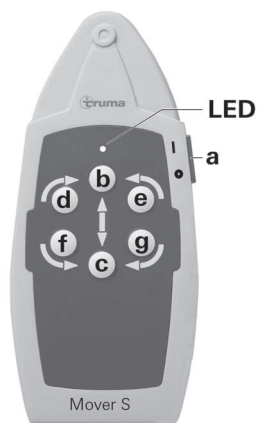
Note that only single axle caravans are suitable.

The Mover is a manoeuvring system with which a caravan can be moved without the assistance of a towing vehicle.

It consists of two separate drive units, each of which has a 12 Volt DC motor. These units are attached to the frame of the vehicle near the wheels and are connected by lateral bars.

Once the drive rollers have been swivelled onto the tyres using the provided lever, the Mover is ready for operation. All operation takes place using the remote hand set. This transmits radio signals to the control unit. A separate 12 V lead-acid battery or suitable lead-gel battery (not included in scope of delivery) supplies the control unit with current.

Remote Handset



a = On/Off slide switch

- ! On (green LED illuminates)
- Off (green LED goes off)

b = Caravan forwards
(both wheels rotate in forwards direction)

c = Caravan reverse
(both wheels rotate in reverse direction)

d = Caravan right forwards
(left wheel rotates in forwards direction)

e = Caravan left forwards
(right wheel rotates in forwards direction)

f = Caravan right reverse
(left wheel rotates in reverse direction)

g = Caravan left reverse
(right wheel rotates in reverse direction)

The caravan can be turned in a circle on the spot without moving forward.

d + g = Turn caravan to the right
(left wheel rotates forwards + right wheel rotates backwards)

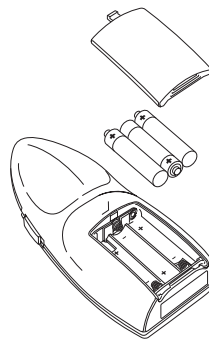
e + f = Turn caravan to the left
(left wheel rotates backwards + right wheel rotates forwards)

The remote hand set automatically switches itself off after approx. 40 seconds if no button is pressed, or after 5 minutes if one of the movement buttons is permanently held down. The green LED goes off.

To reactivate the remote control, move slide switch to „Off“ ● and then back to „On“ ! after approximately 1 second.

There is no „On/Off“ switch on the caravan to be operated.

Changing the batteries in the remote handset



Please be sure to use leak proof micro-batteries only, type LR 03, AAA, AM 4, MN 2400 (1.5 V).

When fitting new batteries ensure the polarity is correct!

! Dead and used batteries may leak and damage the remote handset! Remove the batteries if the handset is not going to be used for an extended period.

No claims under guarantee will be considered for damage caused by leaking batteries.

Before throwing away a defective handset, it is essential that the batteries are removed and disposed of in proper manner.

Manoeuvring the Caravan

! Please read the „Safety-related instructions“ before using the Mover!

1. With the caravan uncoupled (apply handbrake), apply drive rollers to the tyres using the provided lever. Swivel the lever until it cannot be swivelled any further without using excessive force. The drive unit securely engages in the end position.

! Before operating the Mover, release the handbrake.

2. Move slide switch (a) on remote hand set to the „On“ ! position. The Mover is ready for operation after about 5 seconds.

3. The six direction buttons provide movement in six directions – forward, reverse, left forward, left reverse, right forward, right reverse.

The „left forward“ (e) and „right reverse“ (f) or „right forward“ (d) and „left reverse“ (g) buttons can also be pressed simultaneously in order to turn the caravan in a circle on the spot without moving it forwards.

i The Softstart makes the caravan start to move without jolting.

4. If the buttons are released or the radio signal is interfered with or becomes too weak, the caravan stops. Your Mover cannot be activated by radio devices or other Mover remote hand sets.

5. After starting up, the Mover moves at one speed only. The speed will increase a little when going downhill and decrease a little when going uphill.

6. Move slide switch on remote control to the „Off“ ● position to switch the remote control and the Mover off.

i The slide switch also acts as an „Emergency stop“ switch.

7. After manoeuvring, **first apply the handbrake** and then **swivel the drive rollers away from the tyres**.

Hitching to a tow car

1. It is totally possible to position the caravan's hitch to a stationary car tow ball using the Mover, but take some care.
2. Use the instructions above as your guide. Use the button controls to bring the caravan to the car (car handbrake „ON“, and car in gear). Use a button stabbing technique to exactly position the hitch directly over the ball. Lower the hitch to the ball and engage in the normal way using the jockey wheel.
3. Prepare the caravan for towing as usual. **The caravan must not be towed with the drive rollers swivelled in.**

Maintenance

1. Please do not allow the drive units to become soiled with coarse road material. When you are cleaning the caravan, spray the Mover with a water hose to dissolve mud etc. Please ensure that no stones, twigs or the like become trapped in the equipment. The control unit does not require maintenance. Please keep the remote hand set in a dry place.

2. Every year (and/or before putting away for the winter), clean Mover as described, dry and lightly spray the drive unit guides with oil spray or a similar water-repelling lubricant. **Do not put lubricant on the rollers or the tyres!** Swivel the drive units in and out several times to allow the lubricant to penetrate all the guides. Do not park the caravan with the drive rollers swivelled in.

3. To prevent the battery from becoming totally discharged during long periods of inactivity it must be disconnected or switched off using the isolating switch and occasionally recharged. Charge the caravan battery before starting up.

It is extremely easy for you or your caravan dealer to perform the checking and maintenance of your Mover during the annual inspection of your caravan. If in doubt, please contact the Truma-Services (page 12).

Checks

- Check the installation, wiring and connections for damage at regular intervals. The drive units must be able to move freely and be returned automatically to the safe idle position by the return spring when they are swivelled out. If this is not the case, examine drive units for soiling or corrosion at the guides and clean if necessary. Undo all moving parts as required and oil or spray with a lubricant such as WD40 to ensure that the equipment moves correctly and provides the full range of movement.
- After the annual inspection, check whether all motors react properly to the buttons on the remote control.

Trouble-shooting

Before calling customer service, please check the following:

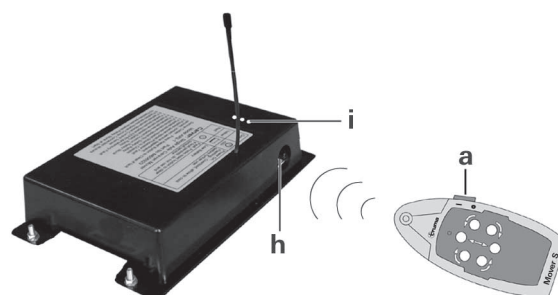
1. Are the batteries in the remote handset in good condition?
2. Is the caravan battery in good condition and fully charged? Please note that battery performance can deteriorate rapidly at cold ambient temperatures. Please note that battery performance can deteriorate rapidly at cold ambient temperatures.

Perform a reset (approx. 10 seconds):

- Briefly disconnect the battery,
- move isolating switch to „OFF“ and then back to „ON“

If the fault cannot be remedied, please contact your dealer or the Truma Service department (page 12).

Synchronising the electronic control unit with the radio remote hand set



i The remote hand set and the control unit are synchronised with each other in the factory.

If the control unit or the remote hand set is replaced, they must be re-synchronised as described below.

1. Check the installation in accordance with the installation instructions and ensure that the drive rollers are **not** applied. Check that the battery is properly connected, check the condition of the battery and that a voltage of 12 V volts is present at the control unit.
2. Press reset button **(h)** on the control unit for approximately 5 seconds, and the green indicator lamp **(i)** will flash when the button is released.
3. Move slide switch **(a)** on remote hand set to the „On“ **I** position. This synchronises the remote hand set and the control unit.

Manufacturer's terms of warranty

1. Case of warranty

The manufacturer grants a warranty for malfunctions in the appliance which are based on material or production faults. In addition to this, the statutory warranty claims against the seller remain valid.

A claim under warranty shall not pertain:

- for parts subject to wear and in cases of natural wear and tear
- as a result of not original Truma parts being used in the appliance
- as a consequence of failure to respect the manufacturers instructions for installation and use
- as a consequence of improper handling
- as a consequence of improper transport packing.

2. Scope of warranty

The warranty is valid for malfunctions as stated under item 1, which occur within 24 months after conclusion of the purchase agreement between the seller and the final consumer. The manufacturers will make good such defects by subsequent fulfilment, i.e. at their discretion either by repair or replacement. In the event of manufacturers providing service under warranty, the term of the warranty shall not recommence anew with regard to the repaired or replaced parts; rather, the old warranty period shall continue to run. More extensive claims, in particular claims for compensatory damages by purchasers or third parties, shall be excluded. This does not affect the rules of the product liability law.

The manufacturer shall bear the cost of employing the Truma customer service for the removal of a malfunction under warranty – in particular transportation costs, travelling expenses, job and material costs, as long as the service is carried out by an authorised Truma-Dealer.

Additional costs based on complicated removal and installation conditions of the appliance (e.g. removal of furniture or parts of the vehicle body) do not come under warranty.

Rollers carry 24 months warranty against manufacturing defects. Take care to remove sharp stones from your tyres prior to using your Mover.

3. Raising the case of warranty

In the event of faults, in principle the Truma Service Centre is to be notified: Truma UK Limited, 2000 Park Lane, Dove Valley Park, Foston, South Derbyshire DE65 5BG.

In other countries, respective service partners are available (refer to address list). Complaints must be specified. In addition, the correctly completed warranty certificate must be presented or the Serial number of the appliance and the date of purchase specified.

In order to allow the manufacturer to check whether it is a warranty case, the end consumer must take or send the device to the manufacturer at his own risk.

In instances of the device being sent to the works, dispatch is to be effected by freight transport. In cases under warranty, the works shall bear the transport costs or the costs of delivery and return. If the damage is deemed not to be a warranty case, the manufacturer shall notify the customer and shall specify repair costs which shall not be borne by the manufacturer; in this case, the customer shall also bear the shipping costs.

Installation instructions

Read the installation instructions prior to starting work and follow them carefully!

Intended use

The **Mover S** has been built for use with single-axis caravans with a gross weight of up to 1800 kg.

The Mover S weighs approx. 35 kg with the cross actuation device attached.

Check the towing load of your vehicle and the gross weight of your caravan in order to establish whether they are designed for the additional weight.

Approval

The Truma-Mover S has design approval, and a general operating permit (ABE) has been issued for **Germany**. Acceptance by a vehicle expert is not required (except when installing the flat frame kit). The ABE can be requested from Truma and must be carried in the vehicle in Germany.

The Mover S complies with the vehicle engine interference suppression directive 72/245/EEC with the supplements 2004/104/EC and 2005/83/EC and bears type approval number: e1 03 4473.

The Mover S complies with EMC directive 89/336/EEC.

The remote hand set and the receiver comply with the requirements of the R&TTE directive 1995/5/EC.

The technical and administrative regulations of the country in which the vehicle is initially registered must be complied with when the Mover is being installed.

Any modification to the unit, or the use of spare parts and functionally-important accessories which are not original Truma components, or failure to respect the installation and operating instructions, will lead to the cancellation of the guarantee and to exclusion of claims for liability. In addition to this, the operational approval for the device will be cancelled.

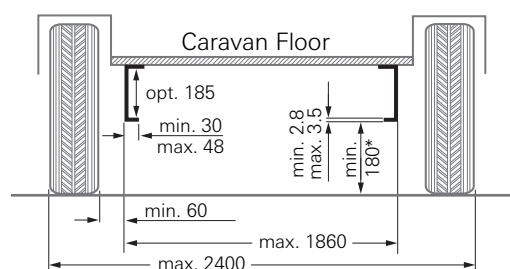
Tools and facilities required

To install the unit you will need:

13 mm, 17 mm, 10 mm socket wrench, ring spanner or open-jawed spanner
Torque wrench (20 – 40 Nm)
Cable cutter/crimping tool
Power drill/screwdrivers/25 mm hole cutter
Portable 2 tonne trolley jack and axle stands to suit
Appropriate lighting.

Minimum installation dimensions

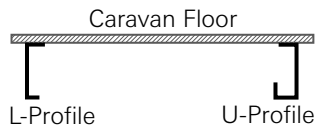
The equipment can only be fitted to caravans/trailers within the following dimensions.



all dimensions in mm

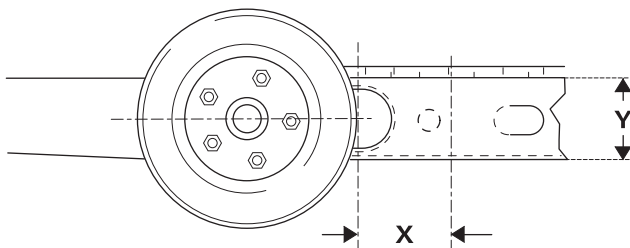
* With fully loaded vehicle

i A distinction is made between L-profiled and U-profiled chassis as shown in the illustration.



Measuring the chassis height

Frame height (Y) measured at distance of 106 mm (X) from the outer edge of the tyre at height of hub/middle of tyre.



Determining the installation type

1. Standard installation

Standard installation is used with a U-profile or L-profile chassis and a frame height (Y) of approx. 185 mm. **No special accessories** are required.

2. Installation with chassis with U-profile or L-profile and frame height of between 140 and 185 mm

With a chassis with a frame height (Y) of 140 mm to 185 mm, 1, 2 or 3 **spacer plate sets** and the **screw set** are needed to compensate for the height.

3. Installation with chassis with U-profiles or L-profiles with frame height of less than 140 mm

With a chassis with a frame height (Y) of less than 140 mm a **low chassis kit** must be fitted to compensate for the height.



In Germany, the low chassis kit installation must be accepted by a vehicle expert.

4. The **AL-KO Vario III/AV installation kit** must be used with the AL-KO Vario III/AV chassis with a frame thickness of less than 2.8 mm.

5. Installation with Eriba Touring chassis

The Eriba Touring mounting set is needed for the Eriba Touring chassis.

Special accessory installation

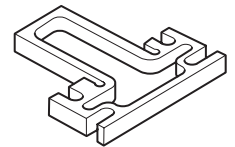
1. Set of screws

for height compensation with spacer plates, max. 45 mm eight DIN 933 screws M10 x 95 8.8, galvanized, Part no. 60010-70000.



2. Spacer plate kit (two 15 mm spacer plates)

for height compensation max. 45 mm (3 plates) at each side (e.g. installed behind axle) Part no. 60010-66000.

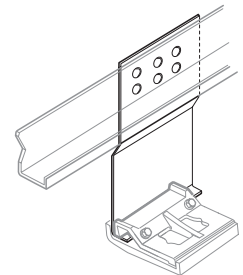


3. Low chassis kit

for height compensation for caravan/trailer with frame height of **less than 140 mm**, Part no. 60010-64900.

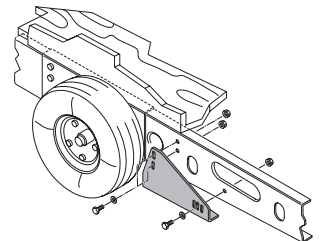


In Germany, this installation kit must be accepted by a vehicle expert.



3. AL-KO Vario III/AV Installation kit

for caravans with AL-KO Vario III/AV Chassis (frame thickness less than 2.8 mm) **mandatory**, Part no. 60010-21500.

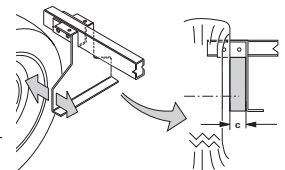


5. Mover mounting set for Eriba Touring

Part no. 60010-72000.



Installation is not possible in some cases because of attachments to the underbody. Contact your dealer if necessary.



Detailed installation instructions are provided with the relevant mounting set.



The Mover S is not approved for installation on caravans/trailers with any other chassis!

Any drilling (exception: when using flat frame kit) or welding to the chassis is not allowed. Under no circumstances remove any suspension components from the chassis.

Choice of location

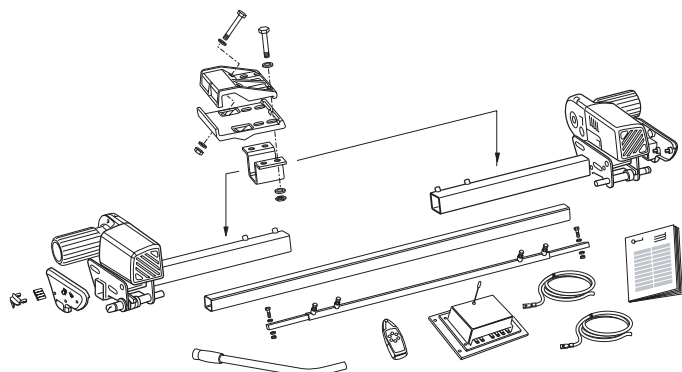
The Mover should preferably be installed in front of the axle, but can also be installed behind the axle under special circumstances (e.g. lack of space). Only the bolts that are provided must be used to secure the Mover (or the add-on parts provided as special accessories).

Installation of the drive units

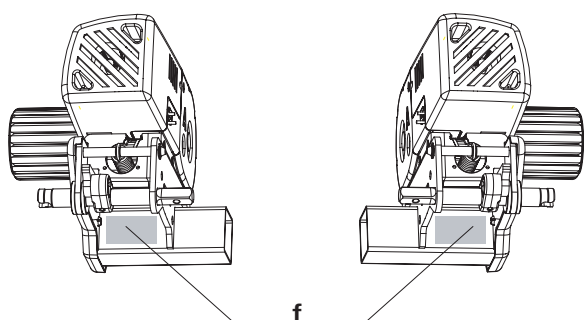
The frame of the vehicle must be kept free of rust and heavy soiling and without any damages to the suspension components.

The wheels and tyres that are fitted to the caravan must be of the same size and model and inflated as per the manufacturer's instructions.

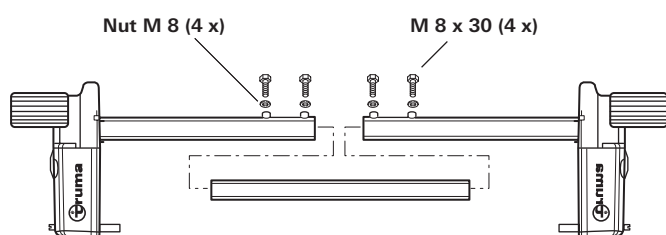
Remove all components from packing and place on the floor.



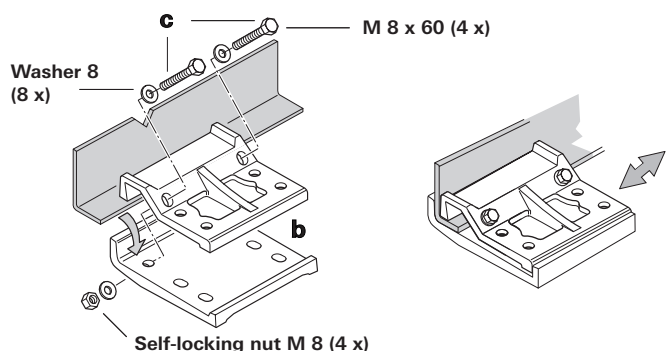
! In order to maintain the validity of the General Operating Permit (ABE) the provided factory plates (f) must be attached on the left and right sides of the cross strut between the drive unit retaining plates.



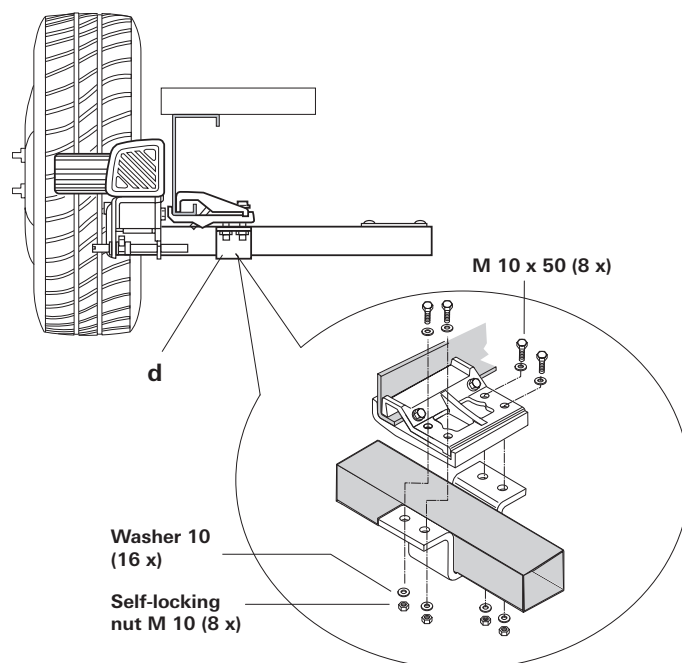
Loosely attach the drive units to the lateral bar. The bolts (lock nuts) must be no more than finger-tight.



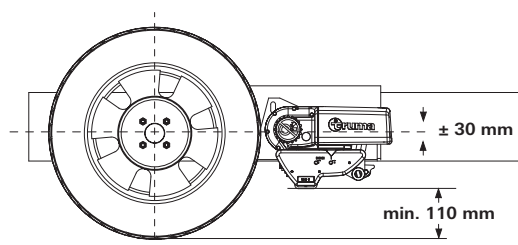
Place the mounting set (b) on the vehicle frame and secure using the two bolts (c), tight enough so that it can just about be moved on the frame.



Bolt drive units with lateral bar to mounting set using U-bracket (d), tight enough so that it can just about be moved.



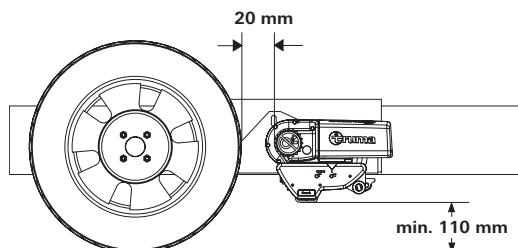
Position the drive rollers so that they are at approximately the same height as the wheel hub (middle of wheel ± 30 mm).



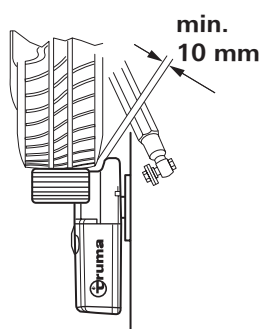
Truma can supply a spacer plate set for compensating for height differences of up to 45 mm (Part no. 60010-66000, 2 pcs. à 15 mm). Up to three spacer plates can be used at each side. A bolt set (Part no. 60010-70000) is needed to attach the spacer plates.

The flat frame mounting set (Part. no. 60010-64900) must be used for height differences of more than 45 mm. Check that there is adequate ground clearance (min. 110 mm).

The correct distance can be set between the tyre and the roller (20 mm) with the provided spacer by sliding the (swivelled out) drive units in the longitudinal direction. The movable middle tube makes it possible to adapt to the width of the frame.



Slide drive units in lateral direction so that the maximum amount of tyre tread is covered.

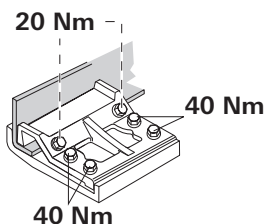


Ensure that there is adequate clearance between the gearbox and the tyre/shock absorber so that they do not touch.

! The minimum clearance with the drive units swivelled in is 10 mm.

After correctly positioning the bolts and nuts of the mounting set, tighten slightly and then check the required distances/clearances again. The weight of the caravan must be on the wheels when doing this.

Move sliding middle tube to a central position (e.g. measure at open side of middle tube with a pocket rule), tighten the 4 bolts (15 – 20 Nm) and secure the locknuts.



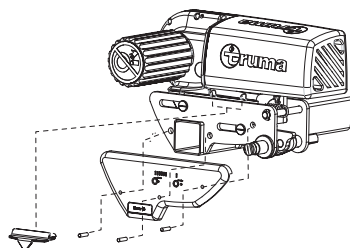
Re-check the distance of 20 mm to the tyre (with weight on wheels) and then tighten the 2 mounting set bolts (M 8) with 20 Nm and the 4 mounting set bolts (M 10) with 40 Nm.

The bolt tightening order must be strictly adhered to for correct installation.

i Re-check that **all** 6 bolts have been tightened to the correct torque!

Fit covering plates:

Place covering plate onto housing and fix in position with 3 guide pins in each case (knock in with a hammer or screwdriver handle).

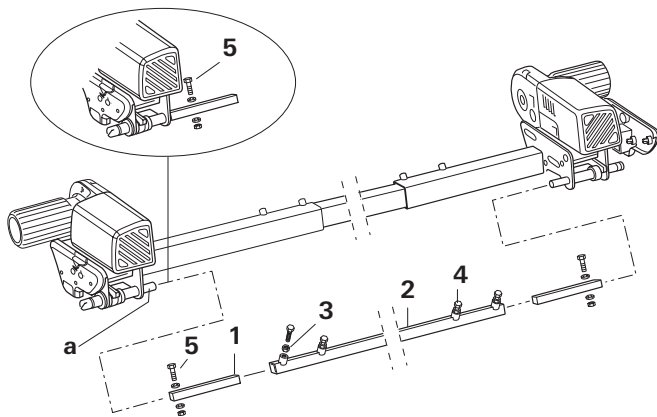


Installing the position indicator:

Push the position indicator into the two holes in the gearbox.

Installing the cross actuation device

Please ensure that the drive rollers are **not** resting against the tyres (at both sides)!



Slide the connecting tubes (1) into the middle tube (2) with the holes facing the outside.

Slide the connecting tubes (1) onto the deflexion bolts (a). Insert screws (5) through the deflexion bolts and tighten.

Align middle tube (2) in central position and measure if necessary. Tighten the 4 bolts (4) and M 8 nuts (3) in this position (15 – 20 Nm). Then re-check all bolted connections.

Swivel in the rollers using the provided lever. The drive rollers must now be applied at both sides. Also check the opposite side. Swivel drive rollers out again.

Repeat this procedure at the opposite side.

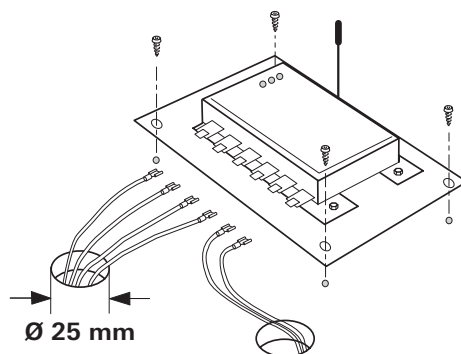
Installation of motor cables and control unit

! Remove battery cable terminals and disconnect any external electrical power before starting work. If you are unsure about the electrical installation, have it checked out by a qualified Auto Electrician.

Pre-fitted, each motor has two heavy-duty cables (6 mm²). All the cables have to be routed along the underside of the caravan floor to the point where the electronic control unit will be situated. An example of a suitable location for the relay control unit is in a bed stowage box in close proximity to the manoeuvring aid, **at least 40 cm away from the battery**.

i The battery connection cables may not be lengthened. The connecting cables to the motor and the battery must be separate and must not be routed via the control unit.

Attach control unit (installed horizontally with antenna in a vertical position) to floor of stowage box with provided screws.



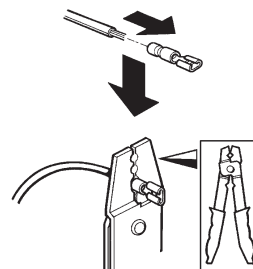
Drill a Ø 25 mm hole in front of the control unit, approx. 150 mm away from the edge at which the cables are attached.

! Take care to avoid any chassis members, gas pipes and electrical wires! The connecting cables to the motor and the battery must not be routed parallel to each other.

Route motor connecting cables to control unit along underbody of caravan and attach to chassis or underbody using the provided clips and screws. Take care to secure the cables so they will not chafe on the chassis or sag below the floor (use supplied protection tubing).

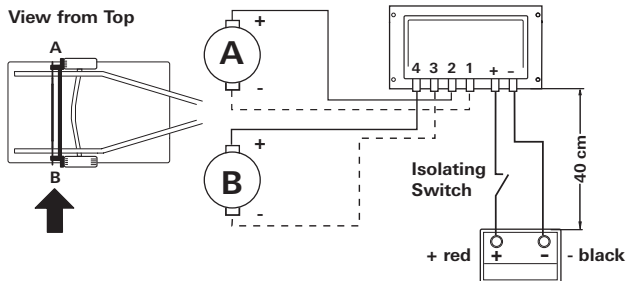
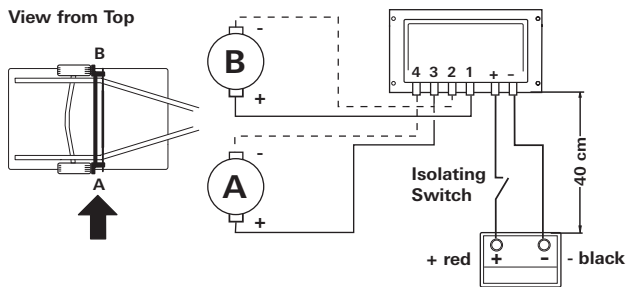
i The motors move when the drive rollers are engaged, **so allow a little slack** at the motors to avoid the **cables** being stretched.

Mark the relevant motor connecting cables and then **cut to length** accordingly (before or after the axle, depending on the installation). Crimp provided spade connectors to the cables and connect in accordance with wiring diagram (**red = positive, black = negative**).



i When the motor connection cables are being cut to length, care must be taken to shorten the two cables by the same amount. Excess cable must be routed in wavy lines without looping. Please ensure that the connections are made properly!

Route battery connecting cables (10 mm²) to control unit and securely attach using the provided clips and screws.

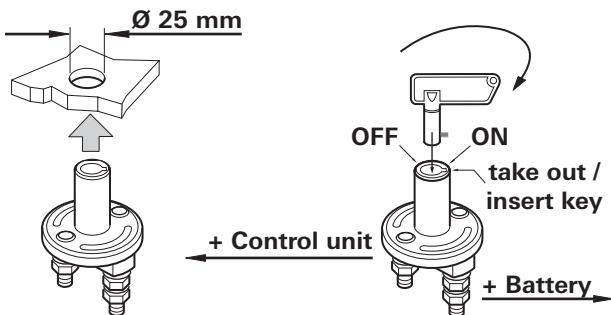


i Route battery connecting cables so that they do not chafe (particularly at leadthroughs through metal panels). Use water hoses or leadthrough grommets to prevent damage to cables.

Installing the isolating switch

Install isolating switch in a suitable location (near the battery) in the positive lead between the battery and the controller.

- A hole with a diameter of 25 mm is required for installation.
- Turn key anticlockwise until it reaches the end position and remove.
- Slide isolating switch through hole and secure with either the provided chipboard screws (5 x 16 mm) or the M6 x 30 bolts and M6 self-locking nuts.
- Cut the positive lead of the battery and crimp the provided pipe-type cable shoes to both ends of the cut cable.
- Insert key again and move to „OFF“. Screw cable with pipe-type cable shoes to isolating switch. Connecting order: Pipe-type cable shoe, spring washer, nut.



Connect battery connecting cables to the existing battery terminals (**red = positive, black = negative**).

Re-check whether all cables are correctly connected, attached using the provided clips and cannot chafe.

Commissioning the Mover

1. Check whether the battery is fully charged for operating the Mover and that the isolating switch is in the „ON“ position.
2. Park the caravan outside on an open, level surface and apply the handbrake. Ensure that the rollers are disengaged from the road tyres and the corner steadies are raised.
3. Connect battery terminals to battery, check that all cables are secure and not hot or indicating signs of short circuits, etc.
4. Move slide switch on remote control to the „On“ **I** position. This switches the remote control on and the LED illuminates.

If LED does not illuminate, check polarity and condition of batteries in remote control. The remote control switches itself off after about 40 seconds if no buttons are pressed.

5. Check whether both drive motors are stationary. With the remote hand set switched on, and no more than 2 m away from the control unit, press the „Forwards“ button. Both drive motors must now move in the forwards direction.

6. Move slide switch on remote control to the „Off“ **●** position to switch the remote control and therefore the Mover off.

7. Move drive rollers against the tyres using the provided swivelling lever. Turn the swivelling lever until it mechanically engages and cannot be turned any further without using excessive force (end position approximately horizontal).

8. Ensure that there are no obstacles around the caravan, release the handbrake and switch the remote control on. Now check all functions several times according to the operating instructions.

9. Move slide switch on remote hand set to the „Off“ **●** position to switch the remote hand set and the Mover off. Apply caravan brake. Release drive rollers using swivelling lever and re-check distance between roller and tyre. Adjust if necessary.

i The distance between the swivelled-out drive rollers and the tyres is 20 mm.

Warning information

The yellow sticker with the warning information, which is enclosed with the appliance, must be affixed by the installer or vehicle owner to a place in the vehicle where it is clearly visible to all users (e.g. on the wardrobe door)! Ask Truma to send you a sticker, if necessary.

Technical data

Designation:	Mover S
Area of operation:	Single axle caravans with a total weight up to 1800 kg
Operational voltage:	12 V DC
Current consumption:	Average approx. 20 A Maximum 120 A
Stand by consumption:	< 15 mA
Remote hand set frequency:	Class 1, 433.92 MHz
Speed:	Approx. 16 cm per second (depending on weight and incline)
Weights:	Approx. 35 kg (including cross actuation device)



Right to effect technical modifications reserved!



R&TTE Declaration of Conformity

We,

Truma Gerätetechnik GmbH & Co. KG

Wernher-von-Braun-Str. 12, D-85640 Putzbrunn, Germany,

(name and address of the manufacturer and if applicable of this authorised representative issuing the declaration (contact information))

declare under our sole responsibility that the product:

Product name: Mover

Trade name: Mover S,
Mover SE,
Mover TE,

Type or model: Mover S,
Mover SE,
Mover TE,

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the R&TTE Directive (1999/5/EC).

The product is compliant with the following standards and/or other normative documents:

SAFETY (art 3.1.a): EN 60950-1:2001
(title and/or number and date of issue of the standard(s) or other normative document(s))

EMC (art 3.1.b): EN 301489-1:2002, EN 301489-3:2002,
(title and/or number and date of issue of the standard(s) or other normative document(s))

SPECTRUM (art 3.2): EN 300220-1:2000, EN300220-3:2000
(title and/or number and date of issue of the standard(s) or other normative document(s))

Other: 72/245/ECC, 2004/104/EC, 2005/83/EC
(title and/or number and date of issue of the standard(s) or other normative document(s))

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

Supplementary information: class 1, Frequency 434 MHz (Mover S)
class 1, Frequency 868 MHz (Mover SE and TE)

Place and date of issue: Putzbrunn, 31.03.2006

Signed by or for the manufacturer:

(Signature of authorised person)

Name (in writing) Dr. Gerd Fricke

Title: CTO

- A** Holzer-Caravan Klagenfurt, Ehrentaler Straße 33, 9020 Klagenfurt, Tel./Fax +43 (0)463 433 57, Mobil (0)664 140 61 40
- Bachner Wohnwagen & Reisemobile GmbH, Werner-Gröbl-Straße 3, 8501 Lieboch, Tel. +43 (0)3136 625 25, Fax +43 (0)3136 625 25 10
- Egger Camping-Service, Bachzeile 12, 8940 Liezen, Tel./Fax +43 (0)664 401 51 83, Mobil +43 664 401 51 83
- Installationen Josef Buchner, Nr. 39, 5722 Niedernsill, Tel. +43 (0)6548 82 62, Fax +43 (0)6548 826 24, Mobil +43 664 161 93 69
- Wagner-Camping-Service, Frauenbachergasse 22, 2320 Rannersdorf, Tel. +43 (0)1706 37 60, Mobil +43 664 253 41 54
- Putz Camping-Technik, Prasslergasse 6, 5020 Salzburg, Tel./Fax +43 (0)662 82 47 43, Mobil +43 650 350 53 01
- Messer Austria GmbH, Austr. 2, 6832 Sulz, Tel. +43 (0)5522 44 43 53, Fax +43 (0)5522 44 43 33, Mobil +43 664 264 40 05
- AUS** Dometic Pty Ltd, 6 Treforest Drive, Clayton, Vic. 3168, Tel. +61 (0)3 95 45 56 55, Fax +61 (0)3 95 45 59 66
- B** Gautzsch Gimeg N.V., Drie Sleutelsstraat 74, 9300 Aalst, Tel. +32 (0)53 70 66 77, Fax +32 (0)53 21 61 62
- BY** Tachograph Ltd., P. Brovki Str. 15, 220072 Minsk, Tel. +375 (0)17 22 66 82 02, Fax +375 (0)172 89 25 52
- CH** Selzam AG, Harzachstrasse 8, 8404 Winterthur, Tel. +41 (0)52 233 25 21, Fax +41 (0)52 232 97 15
- CZ** KOV, Karosárna a slévárna, Sokolovská 615, 28101 Velim, Tel. +420 (0)321 76 35 58, Fax +420 (0)321 76 33 37
- D** Truma Gerätetechnik GmbH & Co. KG, Postfach 1252 85637 Putzbrunn, Tel. +49 (0)89 4617-2142, Fax +49 (0)89 4617-2159
- DK** Olympic A/S, Tvaervej 2, 6640 Lunderskov, Tel. +45 75 58 57 00, Fax +45 75 58 63 07
- E** Stimme, S.L., Poligono Industr. Mediterraneo, Calle Ildefonso Carrascosa 2, 46560 Massalfassar (Valencia), Tel. +34 961 40 00 58, Fax +34 961 40 24 62
- EST** Parkli HL, Mustjõe 39, 10617 Tallinn, Tel. +372 655 00 00, Fax +372 656 26 30
- F** Euro Accessoires, ZAE Parc de Champagne – B.P. 89, 07303 Tournon-sur-Rhône Cédex, Tel. +33 (0)4 75 06 92 92, Fax +33 (0)4 75 06 92 96
- FIN** Kehä Caravan Tukku Oy, Koskelontie 15, 02920 Espoo, Tel. +358 (0)9 84 94 30 34, Fax +358 (0)9 84 94 30 30
- GR** Kastitis Nikolaos 24 km N.N.R. Ahtens Korinthos, Tel./Fax +30 (0)210 555 21 55
- H** Virág Trans Bt., újhegyi út 7, 1108 Budapest, Tel. +36 (0)1 433 57 61, Fax +36 (0)1 261 32 49
- HR** Klimamobil, Štefanovečki zavoj 17a, 10040 Zagreb, Tel. +385 (0)1 291 01 43, Fax +385 (0)1 295 05 21
- I** Dimatec S.p.A., Via Galileo Galilei, 7, 22070 Guanzate (CO), Tel. +39 031 352 90 61, Fax +39 031 352 96 89
- IS** Afl-Húsbílar ehf., Gránufélagsgata 49, 600 Akureyri, Tel. +354 462 79 50, Fax +354 461 26 80
- Bilaraf Ltd., Audbrekka 20, 200 Kópavogur, Tel. +354 564 04 00, Fax +354 564 04 04
- J** Carac Industry Co., Ltd., 1-4-2 Heiwadai, Nerimaku, Tokyo 179-0083, Tel. 0081 (0)3 3931 02 20, Fax +81 (0)3 3931 07 06
- L** Ets Geiben s.à.r.l., 260, route d'Esch, 4451 Belvaux, Tel. +352 59 15 19, Fax +352 59 44 55
- LT** Autokurtas, Lazdiju Str. 20, 3018 Kaunas, Tel. +370 37 39 10 90, Fax +370 37 39 14 54
- N** Neptus A.S., Høymyrmarka 7, 1391 Vollen, Tel. +47 66 75 99 50, Fax +47 66 75 99 51
- NL** Gautzsch Gimeg B.V., Strijkviertel 25, 3454 PH De Meern, Tel. 0900 373 73 73, Fax +31 (0)30 666 53 97
- NZ** Leisure Appliances New Zealand Ltd, 26 Cashew Street, Grenada North, Wellington, Tel. +64 (0)4 232 38 98, Fax +64 (0)4 232 38 78, Free Fax 0800 695 347
- P** J.C.L. Andrade, Lda., Apartado 718, Lugar do Padrao, E.N. 327 - S. Miguel do Souto, Sta. Maria da Feira, 4524-906 Souto V.F.R., Tel. +351 256 80 10 34, Fax +351 256 80 14 88
- Marcampo - Artigos de Campismo, Lda., Av. Almirante Gago Coutinho, 56D, 1700-031 Lissabon, Tel. +351 21 848 67 76, Fax +351 21 847 06 99
- PL** Truma Polska Sp. z o.o., ul. Kuczkowskiego 3/2U, 31-619 Krakau, Tel. +48 (0)12 641 02 41, Fax +48 (0)12 641 91 33
- RO** RomCaravan Str. Dragos Voda, nr. 6, Vila 14 Voluntari-077190 Ilfov, Tel. +40 3169 04020, Fax. +40 7445 77719
- RUS** Comapnija Poliauto, Hawskaja str. 3, ab 3., 113162 Moskau, Tel. +7 (0)95 232 00 29, Fax +7 095 958 27 57
- S** Alde International Systems AB, Wrangels Allé 90, 29111 Färlöv, Kristianstad, Tel. +46 (0)44 712 74, Fax +46 (0)44 718 48
- SLO** SIPRAS d.o.o., Kolovec 9, 1225 Radomlje, Tel. +38 (0)61 723 07 07, Fax +38 (0)61 723 07 08, Service Tel. 041 727 383
- Prebil d.o.o., Opekarska 14, 1000 Ljubljana, Tel. +38 (0)61 542 63 70, Fax +38 (0)61 542 63 71
- SK** TURČAN-AUTO, s.r.o. Volgogradská 39, 03608 Martin, Tel./Fax +421 43 427 04 45
- TR** SANCAK SAVUNMA SANAYİ A.Ş., Turan Emeksiz Sokak 5A/24 06700 GOP/Ankara, Tel. +90 312 426 36 27, Fax +90 312 427 39 49



Qualität mit Tradition

Truma wurde 1949 gegründet. Das mittelständische Familienunternehmen ist heute Europas führender Hersteller von Gasheizungen für Fahrzeuge.

Truma entwickelt, fertigt und vertreibt Komfortgeräte für Caravans, Reisemobile und Boote:

- Flüssiggasheizungen
- Warmluftsysteme
- Klimaanlage
- Warmwasserbereiter
- Gasleuchten
- Komfortzubehör für die Gasanlage
- Rangierhilfe für Caravans

sowie Zusatzheizungen für Nutzfahrzeuge.

Zur Truma-Unternehmensgruppe gehört auch die Firma ALDE, ein schwedischer Hersteller von Warmwasser-Heizungen, sowie MPV-TRUMA, ein Unternehmen, das medizintechnische Produkte anbietet.



Quality with tradition

Truma was founded in 1949. This middle-sized family concern is today Europe's leading manufacturer of gas heating systems for motor vehicles.

Truma develops, manufactures, and markets comfort equipment for caravans, motor homes, and boats:

- Liquid gas heating systems
- Hot-air systems
- Air-conditioning systems
- Hot-water production systems
- Gas lights
- Convenience accessories for gas systems
- Manoeuvring aid for caravans

and supplementary heating systems for commercial vehicles.

The Truma Group also includes the company of ALDE, a Swedish manufacturer of hot water heating systems, and MPV-TRUMA, a firm which supplies technical medical products.

Qualité et tradition

Truma a été fondée en 1949. Cette entreprise familiale de taille moyenne est aujourd'hui la plus grande fabricante européenne de chauffages au gaz pour les véhicules.

Truma développe, fabrique et distribue des appareils de confort pour les caravanes, les camping-cars et les bateaux:

- Chauffages au gaz liquéfié
- Systèmes à air chaud
- Installations de climatisation
- Chauffe-eau
- Lampes au gaz
- Accessoires de confort pour l'installation de gaz
- Aide de manœuvre pour les caravanes

ainsi que chauffages supplémentaires pour les véhicules utilitaires.

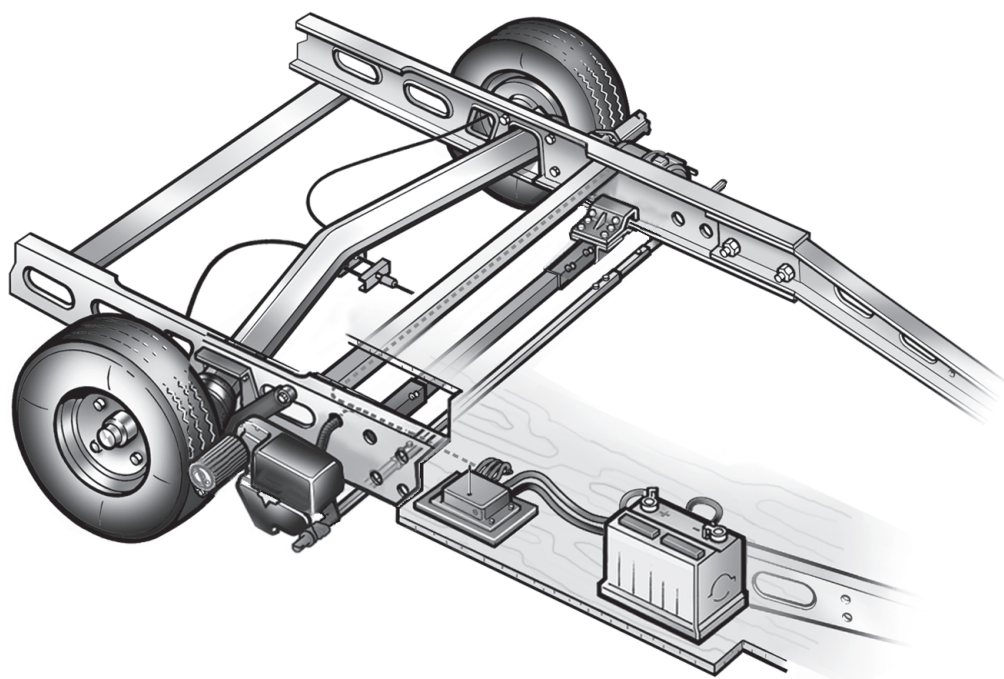
Fait également partie du groupe d'entreprises Truma la société ALDE, un fabricant suédois de chauffages à eau chaude, ainsi que MPV-TRUMA, une entreprise proposant des produits de technique médicale.

[illegible]



Warranty Card
Garantie-Karte
Bon de Garantie
Certificato di Garanzia
Garantiebon
Garantikort
Tarjeta de garantía





To be filled in by the dealer
Vom Händler auszufüllen
A remplir par le commerçant
Da far compilare dal rivenditore

Door de dealer in te vullen.
Udfyldes af forhandleren.
A ser rellendada por el comerciante.



Warranty Card
Garantie-Karte
Bon de Garantie
Certificato di Garanzia
Garantiebon
Garantikort
Tarjeta de garantía

Mover S

Version UK

Serial number
Fabrik-Nummer
No. de fabrication
No. di matricola
Serie-nummer
Seriennummer
Número de fábrica

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Date of sale
Verkaufsdatum
Date de vente
Data di vendita
Verkoopdatum
Salgsdato
Fecha de venta

Dealer's address
Händler-Adresse
Adresse du commerçant
Timbro del rivenditore
Dealeradres
Forhandleradresse
Dirección del comerciante

04/2006 · Truma, Postfach 1252, 85637 Putzbrunn

60030-22400 · 01 · 04/2006 · 2' B ©