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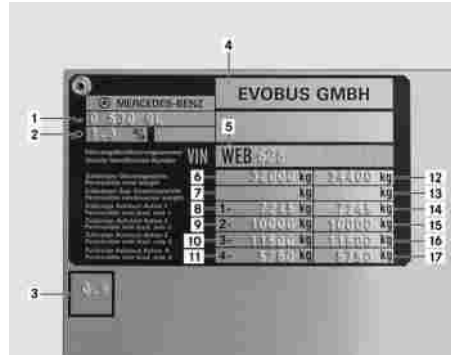
M00.01-0006-71

The vehicle identification plate with the vehicle identification number (VIN) and data concerning permissible weights is located on the forward structure near the front entrance.



Note:

Precise vehicle identification is a prerequisite to exact and correct assignment of “vehicle data”. You will also need the VIN when ordering replacement parts and making technical enquiries.



M00_01-0005-11

No.	Designation	Value
1	Vehicle model	
2	Headlamp basic setting	
3	Exhaust gas coefficient	
4	Vehicle manufacturer	
5	Vehicle Identification Number (VIN)	

No.	Designation	Value
6	Permissible gross weight (country-specific)	
7	Permissible gross combination weight (country-specific)	
8	Permissible front axle load (country-specific)	
9	Permissible axle load for 2nd axle (country-specific)	
10	Permissible axle load for 3rd axle (country-specific)	
11	Permissible axle load for 4th axle (country-specific)	
12	Permissible technical gross weight	

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Care and cleaning	14

back to its initial position (0) before the next starting attempt. Introduce a pause (approximately 15 minutes) after three starting attempts. Release the key after the engine has started, release the accelerator pedal. Observe the indicator lamps immediately after the engine has started. If no malfunction is indicated, it is possible to pull away.

**Danger.**

Never lock the steering while the bus is in motion. Whenever you disembark, even for a short time, always remove the key so that the bus cannot be started by children or other unauthorised persons.

**Caution:**

It is prohibited to increase the engine speed while the “Oil pressure too low” symbol is shown on the display screen. If the “Oil pressure too low” symbol appears for more than 10 seconds, turn off the engine immediately and establish the cause.

**Environmental protection**

Never warm up the engine by allowing it to idle with the bus stationary. Instead, drive off and operate the engine at moderate engine speeds.

**Note:**

The engine should not be placed under full load until it has reached normal operating temperature (75 °C to 90 °C depending on operating conditions and the outside temperature).

Driving**Danger.**

All doors must be unlocked before the bus is driven off.

**Danger.**

The freedom of movement of the pedals must not be restricted. The operating safety and roadworthiness of the bus would otherwise be at risk. Objects could fall and get caught between the pedals if you were to accelerate or brake suddenly, with the result that you would no longer be able to brake, depress the clutch pedal or accelerate. You could cause an accident and endanger yourself and others.

- ▶ Check the freedom of movement of the pedals.

Operating/malfunction displays: brake system

Operating/malfunction displays: brake system

“Parking brake applied” indication display (A)



M54.00-1794-71

Bus stop brake/drive-off lock malfunction



If this symbol is displayed, either the bus stop brake is defective or the emergency release switch of the bus stop brake has been operated.

“Supply pressure” display



M54.00-1776-71

The following appears on the display screen: Available “supply pressure” in

brake circuits 1 and 2 (A) and “supply pressure” in the auxiliary consumers circuit (B).

Brake pad wear



An overly worn brake pad is indicated on the display screen by a service notification and a yellow warning level malfunction alert.



The braking characteristics of the bus may change if a yellow warning level malfunction relating to brake system is shown on the display screen. Adopt a particularly cautious driving style. Have the malfunction rectified as soon as possible by an EvoBus Service Partner.

down to -22 °C. Flow improvers could have a negative impact on the cold flow characteristics of this fuel. In the case of summer diesel fuels or less cold-resistant winter diesel fuels, add an amount of flow improver appropriate to the expected outside temperature. Add the fuel additive to the diesel fuel well before the flow characteristics of the diesel fuel have been degraded as a result of paraffin separation. The only way to eliminate malfunctions that arise as a direct result of paraffin separation is to raise the temperature across the entire fuel system.

Switch off the engine and auxiliary heating before refuelling. Turn the ignition starter switch back to position 0. Park the bus on a level surface.

Cleanliness is of utmost importance when refuelling. Do not leave cotton rags or cloths in the vicinity of the open filler neck.

Close the fuel tank properly once filling is complete.

**Danger.**

Risk of injury and explosion. Fuel is highly flammable. Fire, naked flames and smoking are therefore prohibited when fuel is being handled.

**Danger.**

Before refuelling, switch off the auxiliary heating to prevent fuel vapours from igniting on the auxiliary heating exhaust system.

**Danger.**

Fuel is toxic and harmful to health. For this reason, make sure that the fuel does not come into contact with skin, eyes or clothing, that you do not inhale fuel vapours and that children are kept away from the fuel.

**Danger.**

If you or others have come into contact with fuel: In case of contact with the eyes, rinse them immediately and copiously with clean water and seek medical attention. Clean affected areas of skin immediately with soap and water. Immediately change out of clothing that has come into contact with fuel. If fuel has been swallowed, seek medical attention immediately.

**Environmental protection**

If handled improperly, fuels constitute a hazard to health and the environment. Fuels must not be allowed to enter the sewerage system, surface water, ground-water or soil.

**Danger.**

Always have maintenance work carried out at a qualified specialist workshop which has the necessary knowledge and tools.

**Note:**

AdBlue freezes at a temperature of approximately -11 °C. The bus is equipped with an AdBlue preheating system as standard. Winter operation is therefore guaranteed, even at temperatures of below -11 °C.

**Environmental protection**

AdBlue is biologically degradable. Unless it is handled properly, however, AdBlue constitutes an environmental hazard. Do not allow AdBlue to enter the sewage system, surface water, ground water or soil in significant volumes.

**Danger. Risk of poisoning and injury.**

AdBlue is not considered a hazardous substance according to German regulations governing hazardous substances. Nevertheless, certain points should be observed when handling AdBlue.

The AdBlue line system and the related system components are pressurised while the engine is warm. There is a risk of scalding from hot AdBlue spraying out if the line system is suddenly opened. There is also the risk of skin irritation or damage to the eyes if AdBlue comes into contact with the skin or eyes.

- Wear protective gloves
- Wear protective clothing
- Wear eye protection
- Work on the exhaust gas aftertreatment system should not be commenced until approximately 4 minutes have passed as individual lines continue to be flushed with compressed air even after the engine has been switched off.
- Turn the ignition switch to the OFF position and remove the key before

work is carried out on the SCR system.

- Allow the AdBlue line system to cool down
- Open line connections and system component covers/caps slowly.
- Capture any AdBlue that escapes in a suitable container and dispose of it in an environmentally responsible manner.
- Do not pour AdBlue into drinks containers.
- Wipe up any spilled AdBlue, especially as there is a risk of slipping.
- AdBlue collected in this way must not be poured back into the AdBlue supply tank.
- If AdBlue comes into contact with the skin, rinse affected areas of skin copiously with clean water.
- Quickly change out of clothing that has come into contact with the substance.
- In case of contact with the eyes, rinse them immediately and copiously with clean water and seek medical attention if necessary.

Safety precautions for the operation of folding/cassette ramps, various lift models (options)

Safety precautions for the operation of folding/cassette ramps, various lift models (options)



Danger.

Park the bus in such a way that there can be no possible risk to the person being transported, to the operator or to other road users while the ramp is in operation.



Danger.

The parking brake must be applied.



Danger.

Do not exceed the maximum permissible height span.



Danger.

Do not fold the ramp out or in (extend or retract it) if anyone is within the ramp's range of movement. Do not subject the ramp to load while it is in motion.



Danger.

Observe the maximum payload.



Note:

Before the ramp is used, it must be checked to ensure that it is fit for use, serviceable and undamaged.



Note:

In the front doorway of buses equipped with a lift, no passengers are permitted to remain in the area up to the hinged barrier while the vehicle is in motion.

▷ For notes on safety and operation, also refer to the manufacturer's operating instructions.

Folding the ramp in/out



Note:

Precondition: Bus stationary, door open.



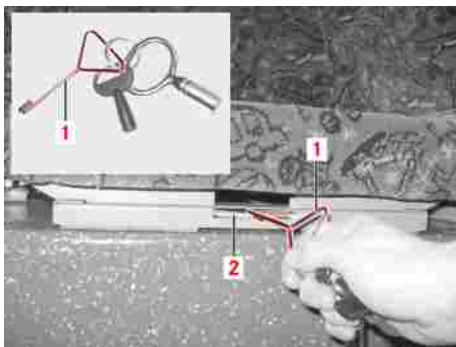
Caution:

Observe operating notices and load-bearing capacity plates.

Tilting the rear seats

i **Note:**

The rear seats can be tilted forwards to permit cleaning of the rear area.



M91_00-0027-71

- ▶ Use hook key (1) to release the rear seat by pulling cable (2), and fold the rear seat forwards.

It is now possible to clean the area behind the seats.

i **Note:**

After cleaning, be sure to fold the seat back and re-engage it.

Skibox (option)

i **Note:**

The pictures are for illustration purposes only. Actual installation arrangements may differ.

! **Danger.**

The skibox must be transported, stored and assembled only by means of the assemblies and fastening elements provided.

! **Danger.**

Fitting a skibox alters the length of the bus, and any reversing aid (e.g. ParkPilot) in the bus will no longer be operational.

! **Danger.**

An emergency exit through the rear window must still be possible with the skibox fitted. Maximum permissible height to top edge of skibox: 2.2 m above road surface with bus suspension at normal level.

- 1 Key for the ignition switch
- 2 Key for: Doors, interior and exterior flaps
- 3 Key for (option): Doors, interior and exterior flaps
- 4 Key for key switch: Lowering system, ramp, disabled passengers' lift

No.	Description	Page
1	Driver's window open/close pushbutton	
2	Roller sunblind up/down pushbutton	
3	Not assigned	
4	Cool box pushbutton	
5	Exterior mirror adjustment rotary switch	
6	Rear-view mirror adjustment rotary switch	
7	Speed limiter switch	
8	Driver's window heating/mirror heating pushbutton	

No.	Description	Page
9	Monitoring system switch	
9	Pushbutton for raising the bus above normal level	
10	Camera switching pushbutton	
10	Driving ride height 2 pushbutton	
11	"Pull-away aid on/off" switch	
12	Pushbutton for manual/automatic fans	
13	Pushbutton for roof hatches in air-out position, open/close	
14	Emergency valve rapid air-charging pushbutton	

No.	Description	Page
15	"Centre trailing axle" switch	
16	Air horn switch	
17	Exterior loud-speaker on/off switch	
17	Electrical system on/off switch	
18	Engine start/stop pushbutton	
19	Heating/ventilation/air-conditioning control panel - driver's area	192
20	Auxiliary heating preset timer (option)	
21	Ignition starter switch	112
22	Bus lowering key switch	

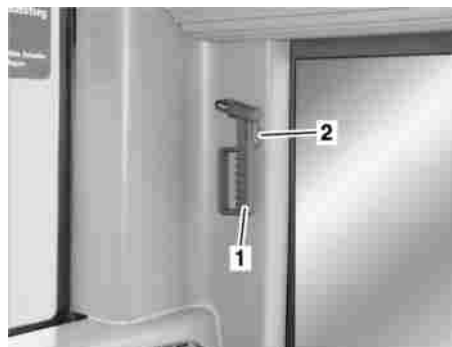
Windscreen washer fluid reservoir installation location



M86_00-0046-01

- ▶ Open snap lock (2) and lift out fire extinguisher (1).

Fire extinguisher (1) is ready for operation (observe operating instructions on the fire extinguisher).

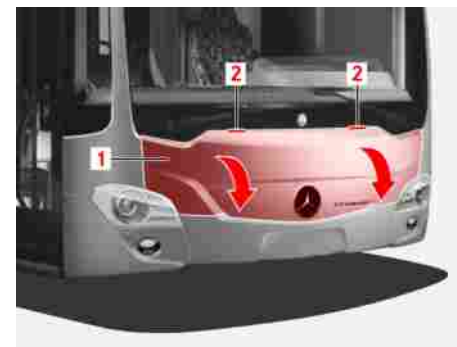


M86_00-0047-01

- ▶ Release emergency hammer (1) (tamper-evident seal) and remove it from bracket (2).

The emergency hammer is ready for use.

Windscreen washer fluid reservoir installation location



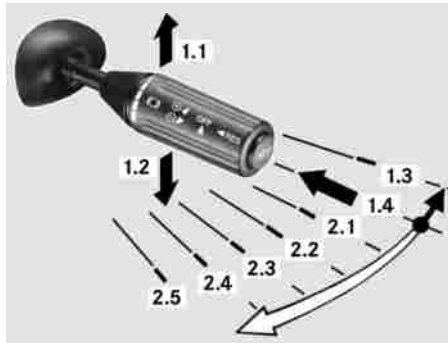
M88.00-0100-71

- ▶ Open the front flap (to open front flap (1), hold it by handle recesses (2) with both hands and pull).

Combination switch for retarder and cruise control (option)

- 1.1 Tap briefly (< 0.5 seconds) = current driving speed is set and appears on the display screen. Tap briefly again (< 0.5 seconds) = set speed increased in increments of 0.5 km/h. Press and hold (> 0.5 seconds) = set speed increased until switch released. When the combination switch is released, the current speed is set as the new value.
- 1.2 Tap briefly (< 0.5 seconds) = current driving speed is set and appears on the display screen. Tap briefly again (< 0.5 seconds) = set speed reduced in increments of 0.5 km/h. Press and hold (> 0.5 seconds) = set speed reduced until switch released. When the combination switch is released, the current speed is set as the new value.

Combined cruise control



M54_00-0976-01

To activate combined cruise control: Set drive cruise control and press in button 1.4 on the combination switch at the same time: The current speed (e.g. 88 km/h) is set as the cruising speed and shown on the display screen, and brake cruise control is automatically set to a value that is 4 km/h higher than the cruising speed (i.e. 92 km/h). The system switches between modes of operation automatically as required. The display on the display screen changes to one value or the other depending

on the mode of operation. Alternatively: Set brake cruise control and press knob 1.4 on the combination switch in at the same time: The current speed (e.g. 100 km/h) is set as the limit speed and shown on the display screen, and drive cruise control is automatically set to a value that is 4 km/h lower than the limit speed (i.e. 96 km/h). The system switches between modes of operation automatically as required. The display on the display screen changes to one value or the other depending on the mode of operation.

Engine speed increase

Precondition: Bus stationary, engine running.

- 1.1 The engine speed can be increased up to a maximum of 750 rpm.
- 1.3 Engine speed increase off, normal idling speed

played whenever an exterior light has failed. The time (3) and outside temperature (4) in °C are also shown in this field. --°C is displayed if an error occurs in the transmission of data to the temperature display. The lower area of lower permanent display field (1) shows the current function of the buttons in the instrument cluster.



M54.00-1703-71

Trailer turn signals (1) on the display screen flash at the same frequency as the turn signals.

ation. The view reverts to the “Doors and flaps” submenu as soon as one of the doors is opened.



Note:

If the driver had selected a different menu before this menu change (e.g. “Driver assistance systems and navigation splitscreen”), the view changes from the “Doors and flaps” submenu to the menu that the driver had selected.

Event notifications

Red alert



M54.00-1731-71

In the event of a red alert, a pop-up window (1) appears. The pop-up window displays a symbol (2) for the vehicle system concerned and two lines of explanatory text (3) below it. A signal also sounds. In addition, red alert (4) in the instrument cluster and red status indicator (5) on the display screen light up. The driver is able to acknowledge red alerts using the main menu buttons on the steering wheel but not until the vehicle has been brought to a halt and the park-

ing brake has been applied. Pop-up window (1) closes when the alert is acknowledged. For as long as the alert remains active, it continues to be displayed in the “Ereignisse” (Events) menu.



Danger.

In the event of a red warning level malfunction, the bus must be stopped immediately (traffic conditions permitting) and an EvoBus Service Partner must be notified.

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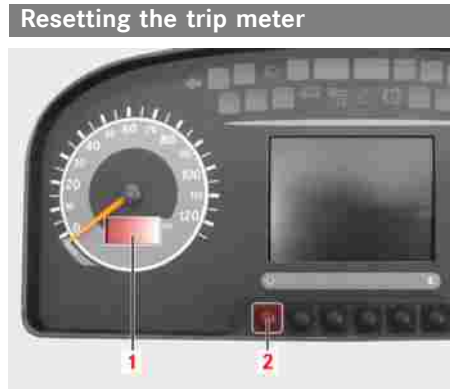
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- 1 Trip meter reset button
- 2 Button function varies depending on the current display screen view (no function while the bus is in motion)
- 3 Dimmer button



M54.00-1738-71

- ▶ Press and hold selector button (2) to reset trip meter (1) to 0.

RESET button (to reset trip computer data)



Note:

The “Ab Reset” (After reset) trip computer data are reset automatically whenever the ignition remains switched off for longer than four hours. However, a manual reset is also possible.



Note:

The “Ab Reset” (After reset) trip computer data continue to be incremented until they are reset manually by the driver.

- 1 Plus key
- To open the "volume adjustment" pop-up window
- 2 Minus key
- To open the "volume adjustment" pop-up window
- 3 No function
- 4 No function

Volume adjustment

- ▶ The "Lautstärke" (Volume) pop-up window enables the driver to adjust the volume for the currently active audio source.
- ▶ There must be no pop-up window currently on the screen (exception: pop-up window for a call in progress).
- ▶ Press the plus or minus button on the steering wheel.

The pop-up window for the currently active audio source opens.



Note:

If the active audio source is changed while the pop-up window is open, the content of the pop-up window changes accordingly.

- ▶ To adjust the volume, press the plus or minus button on the steering wheel.



Note:

If the plus or minus button is pressed and held, the volume increases or decreases until the button is released.



Note:

As the change of volume comes into effect immediately, the driver is given an audible acknowledgement at the new volume.

Manual centring of the trailing axle



Note:

Manual centring is cancelled as soon as the bus travels faster than 25 mph (40 km/h). To restore manual centring at speeds of below 20 mph (35 km/h), it is necessary to press switch (3) again.

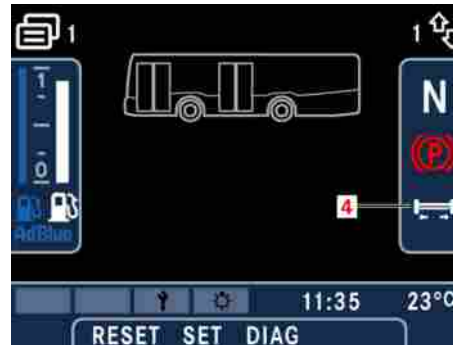
- ▶ Press and hold the lower section of pushbutton (3) until the indicator lamp goes out.

Manual centring below 20 mph (35 km/h) is cancelled.



M54.00-1760-71

The following appears on the display screen: “Trailing axle centring in progress” (4).



M54.00-1760-71

“Trailing axle centring in progress” indication display (4) on the display screen goes out.



Note:

Indicator lamp (4) flashes if the control unit does not detect a defined axle position (there is no malfunction).



Note:

Indicator lamp (4) stops flashing when the control unit detects a defined axle position again.

Turning the steering wheel when the bus is stationary

- ▶ Press the upper section of switch (1).
The steering wheel and instrument panel are locked in their current position.

Turning the steering wheel when the bus is stationary

- ▶ Observe the instructions and information.

**Note:**

To prevent damage to the steering column, the following points must be observed when turning the steering wheel with the bus stationary, without hydraulic support (engine switched off) and without a turntable under the front wheels (tyres in direct contact with the ground):

- ▶ Release the steering wheel adjuster and push the steering wheel fully down. Lock the steering wheel adjuster in place. Turn the steering wheel using both hands placed apart at an angle of between 90° and 180°.

**Caution:**

Never have more than one person turn the steering wheel. Do not pull the steering wheel on one side only.

**Note:**

We ask the workshop in particular to note this.

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Selector positions of the 6-pushbutton switch panel	185

Safety instructions for the air-conditioning system

Air-conditioning systems that are operated with refrigerant R 134 a are labelled with appropriate stickers and/or plates on the compressor.

Never mix R 134 a refrigerant and the corresponding DEA Triton SE 55 refrigerator oil with other products.

It is forbidden to disregard the latest technological standards and allow refrigerant to escape into the environment when servicing or decommissioning air-conditioning systems.

Refrigerant and refrigerator oils must be disposed of separately, or recycled.

Maintenance work on air-conditioning systems as well as removal of refrigerants and oils may only be carried out by persons who have the relevant and necessary specialist knowledge, technical equipment and official approval (control of health and safety at work, local government, TÜV).

The operator must maintain a logbook auditing the consumption of refrigerant and refrigerator oils.



Danger.

On automatically controlled air-conditioning systems, the ventilation blowers can be started at any time by the condenser or evaporator units. Therefore turn the ignition switch to the OFF position when carrying out cleaning work. Do not reach into the fan blades or fan rollers. Avoid any contact with refrigerant as there is a risk of frostbite. Treat affected skin areas as for frostbite, and contact a doctor straight away. Carry out maintenance and repair tasks with the engine switched off whenever possible. Keep a safe distance from moving parts (e.g. belt drive) when the engine is running.

Operating instructions for the air-conditioning system



Note:

The driver's window should remain closed while the vehicle is in motion and the air-conditioning is operating to ensure faultless operation of the air-conditioning system.

Passenger compartment – switching automatic temperature regulation on and off



Note:

All current settings are retained whenever passenger-compartment regulation is switched off. Automatic regulation is re-activated when passenger-compartment regulation is switched on again.

Passenger compartment – switching automatic temperature regulation on and off



Note:

Precondition: electrical system on, engine running.



Note:

With the engine switched off, economy mode is active and the roof ventilators remain switched off. If the electrical system has been switched on but the engine is not running, the blowers operate only at speed 1. Fresh air is fed into the passenger compartment through the hinged windows and by the roof ventilators.



M83_00-0122-01

- ▶ Press pushbutton (11.4).

Automatic passenger-compartment temperature regulation is switched on.

The indicator lamp in pushbutton (11.4) lights up.



Note:

The temperature in the passenger compartment is regulated automatically in line with the outside temperature and the desired temperature set for the passenger compartment.



Note:

The roof hatches close automatically when the temperature control or wind-screen wipers are switched on.



Note:

The roof hatches close automatically when the ignition is switched off.

- ▶ It is possible to prevent the roof hatches from closing automatically when the ignition is switched off. To do so, press and hold button (2) while the engine is switching off.

The roof hatches remain open ('air out' position) and the red indicator lamp in pushbutton (2) lights up.

Fans on/off



Note:

Precondition: Engine running.



Note:

Automatic fan switch-on/switch-off is enabled whenever the engine is started.



M54.00-1799-71

- ▶ Press the upper section of pushbutton (1).

The fans start to run.

The indicator lamp in pushbutton (1) lights up.



Note:

The fans switch on automatically if the interior temperature is too high (above approximately 22 °C) or whenever air-recirculation mode is deactivated.

Protection against entrapment in the door opening direction

Protection against entrapment in the door opening direction



M54.00-1800-71

If a door makes contact with an object when opening, the door leaf concerned is switched to reduced-power pushback.

The indicator lamp in the pushbutton pressed (1/2/3/4) flashes.

The door then continues to move in the opening direction.

Protection against entrapment in the door closing direction

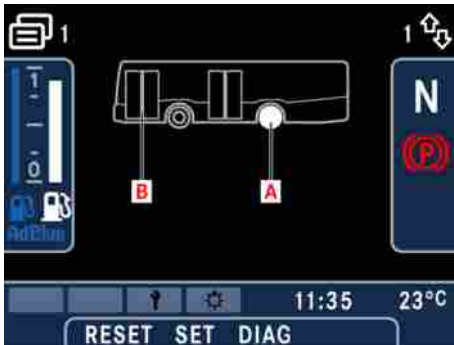


M54.00-1800-71

If a door makes contact with an object when closing, the closing motion is reversed to open the door again.

The indicator lamp in the pushbutton pressed (1/2/3/4) lights up.

With automatic doors, the closing movement is reinitiated after the hold-open time has elapsed.



M54.00-1802-71

The following appears on the display screen: “Drive-off lock/bus stop brake activated” (A). “All doors closed” (B).

The bus is ready to depart.

Note:

The drive-off lock is released as soon as the accelerator pedal is depressed and it is possible to pull away.

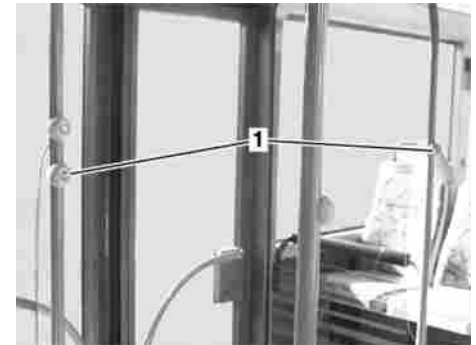
Opening/closing automatic doors from the inside

Note:

Precondition: Electrical system on, all doors unlocked.

Danger.

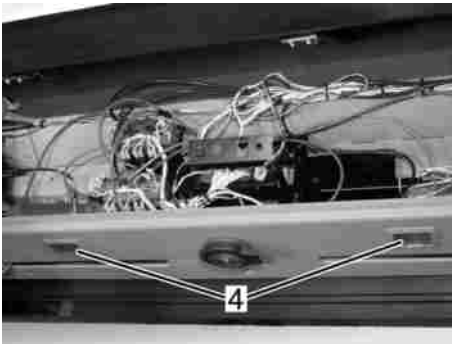
Open doors increase the risk of accident for passengers. Do not drive the bus unless the doors are properly closed. Use the door enabling switch for the purpose of opening doors only at bus stops and with the bus stationary.



M72_00-0034-01

- ▶ Passenger: Press pushbuttons (1) next to the doors.
A signal sounds.

Teaching in the doors in the closing and opening directions



M72_00-0067-01

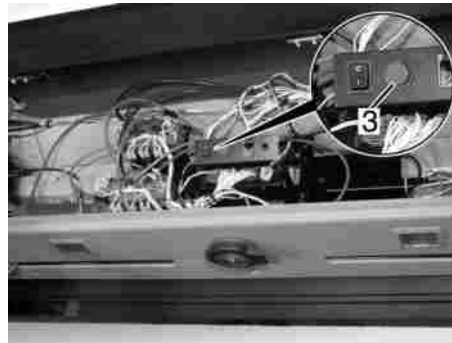
- ▶ Wait until doorway lamp (4) flashes.

i **Note:**

Flashing indicates that the teach-in process in the closing direction has been completed correctly.

i **Note:**

Doorway lamp (4) flashes once at door 1, twice at door 2 and three times at door 3, etc.



M72_00-0068-01

- ▶ Release workshop pushbutton (3).

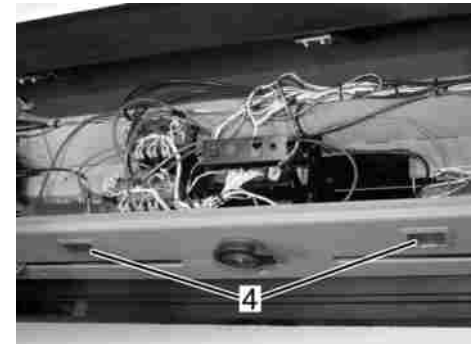
i **Note:**

Do not release workshop pushbutton (3) until the flashing sequence is completed (once at door 1, twice at door 2 and three times at door 3, etc.).

The door has been taught in in the closing direction.

- ▶ Press and hold workshop pushbutton (3) to teach in the door in the opening direction.

The door opens.



M72_00-0067-01

- ▶ Wait until doorway lamp (4) flashes.

buzzer sounds. To be able to close this alert, the driver has to press one of main menu buttons (6) on the steering wheel with the parking brake applied. The oil level must be corrected immediately. To view the oil level information, go to main menu 4 and submenu 2 using the main menu buttons and arrow buttons on the steering wheel (refer to “Oil level information”).

**Danger.**

Risk of accident. In the event of a red alert, the operating safety or roadworthiness of the bus is at risk. The driving and braking characteristics of the bus may change. Stop immediately (traffic conditions permitting) and switch off the engine.

Oil level information

To view the oil level information, select the fourth main menu using the main menu buttons on the steering wheel, and then call up the second submenu using the steering wheel's arrow buttons. The oil level information informs you whether the oil level is correct or not.

**Note:**

The oil level cannot be measured unless the engine is switched off and the ignition starter switch is in the ON position. When the engine is switched on, the most recently recorded oil level value shown on the display screen remains frozen. The actual oil level is not displayed again until the ignition starter switch has been switched to OFF and back to ON.

**Caution:**

The bus must be level when the oil level is measured. If the oil level is measured with the bus on an incline, an incorrect oil level will be displayed on the display screen and a yellow or red alert may appear on the instrument panel.

**Danger.**

Risk of accident. Calling up information manually while the vehicle is in motion will distract you from the road and traffic conditions. This could result in an accident with serious or fatal injuries. Therefore: Do not call up information manually unless the bus is stationary and the parking brake is applied.

[bar]

Tyre pressure in bar



Tyre size 275/70 R 22.5, load index 148



Axle load for single tyres in kg



Axle load for twin tyres in kg



Axle load/tyre pressure rating for public transit buses operated in urban traffic, including journeys involving longer distance routes, e.g. in order to service suburbs and neighbouring towns, provided the average speed does not exceed 40 km/h



Axle load/tyre pressure rating for public transit buses required to operate at road speeds up to a maximum of 60 km/h



Axle load/tyre pressure rating for excursions and touring services



Danger:

Risk of accident. An under-inflated tyre impairs driving safety and reduces tyre life. Fuel consumption, tyre wear and risk of tyre damage are increased.



Caution:

Check tyre pressures regularly.



Note:

The values listed in the table are recommended values for tyre size 275/70 R 22.5 - load index 148. For specific or unusual operating conditions, please contact the tyre manufacturer concerned.



Note:

Tyre pressure increases or decreases by approximately 0.2 bar with every 10 °C increase or decrease in air temperature respectively. This must be borne in mind if tyre pressures are checked indoors, especially in the winter.

Example: temperature in the depot approximately 20 °C, outside temperature approximately 0 °C - this means that the tyre pressure to be set = specified tyre pressure + 0.4 bar.

Measures required for the prevention of damage to buses or components during electric welding work

Measures required for the prevention of damage to buses or components during electric welding work

To prevent damage to various components of the bus, the following measures must be taken before welding work is carried out:

- Have a fire extinguisher on standby.
- The clip on the negative terminal of the battery must be disconnected and the negative terminal covered. (Observe the notes on disconnecting the vehicle batteries.)
- The pieces of foam fitted in some of the cavities in the body as sound-proofing must be removed before the commencement of panel work, welding and tin-plating.
- Connect the earth connection of the electric welder directly to the part to be welded. When doing so, make sure that there are no electrically insulating parts between the earth connection and the weld point.
- Heat-sensitive parts, such as plastic tubes, are to be protected or removed.
- Lines routed in cavities, and containers or electronic components that have been fitted concealed, must be removed from the danger area before the start of welding.
- The passenger compartment and glazing must be covered with protective mats to protect them from weld splatter and flying sparks.
- Shield off areas at risk of damage caused by flying sparks and radiant heat.
- Do not allow electronics housings or electrical lines to come into contact with the welding electrode or the earth connection of the welder.
- If two parts are to be welded together, both parts must be connected to the negative clip of the welder.
- The seam points of the part on the bus to be welded and of the earth terminal on the electric welder must be as bare as possible – paint, corrosion, oil, grease and dirt should therefore be thoroughly removed.
- The earth terminal of the welder must not be connected to the transmission. The welding current may cause sparking at the bearing points inside the transmission. The resultant changes in crystalline structure would lead to premature failure of the assembly.



Danger.

The heating effects may cause dense smoke or fires.

Notes on maintenance work



Note:

All scheduled maintenance tasks are described in separate instructions. The tasks listed here are not completed at set maintenance intervals, but must be performed in response to bus operation conditions.



Note:

The bumper corner piece is additionally secured by a quick-release lock.

- ▶ Grasp the bumper corner piece above the headlamp and pull it in the direction of the arrow against the resistance of the quick-release lock.



Note:

The direction of the arrow signifies: forwards and diagonally away from the centre of the vehicle.



Note:

The fold angle is limited to approximately 60° by a retention strap.

- ▶ To fold the bumper corner piece in, lift it up and push it against the flap lock.



Caution:

Before the bumper corner piece is folded in, make sure that the closing tongue in the quick-release lock is correctly positioned and correct if necessary.



Danger.

Risk of accident if the bumper corner piece folds out of its own accord. Both the quick-release lock and the flap lock must be heard or felt to lock into place. If necessary, check that the flap lock is correctly seated by gently pulling or jogging the bumper corner piece in the same direction as when folding it out.

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