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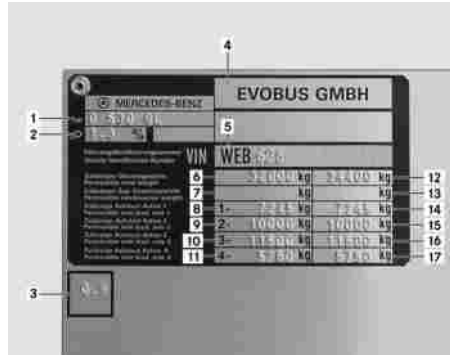
M00_01-0003-01

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:

It is very important to identify the vehicle exactly so that the correct "vehicle data" can be assigned. 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	EVOBUS GMBH
5	Vehicle Identification Number (VIN)	WEB 525

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 leave the engine to warm up 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**Environmental protection**

Never leave the engine to warm up with the bus stationary. Instead, drive off and operate the engine at moderate engine speeds.

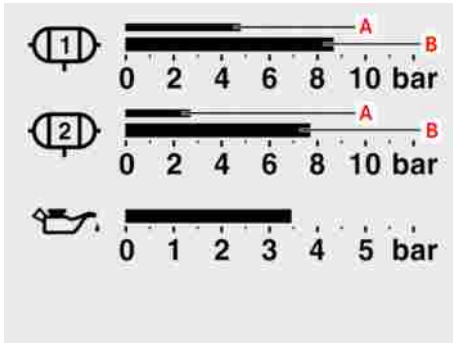
**Note:**

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).

**Danger.**

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

Brake system operating/malfunction displays



M54_00-1162-71

The following appears on the screen:
 “Supply pressure” (B) present in
 brake circuits 1 and 2.

i **Note:**

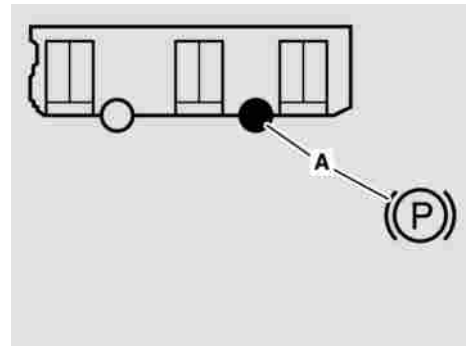
The maximum supply pressure (B) for
 brake circuits 1 and 2 is approximately
 10 bar.

i **Note:**

If the supply pressure falls below 6.8 bar,
 the “Brake pressure/supply pressure”
 display is automatically displayed on the
 screen and the warning lamp for the yellow
 warning level lights up.

Brake system operating/malfunction displays

“Parking brake applied” indication display (A)



M54_00-0232-01

Winter operation with diesel fuels for buses with fuel-lubricated injection systems

Disposal of AdBlue



Environmental protection

Observe country-specific legislation and requirements governing the disposal of AdBlue.

AdBlue purity



Note:

It is prohibited to return to the tank any AdBlue that has been pumped out, e.g. during a repair, because the purity of the liquid would no longer be guaranteed.

Winter operation with diesel fuels for buses with fuel-lubricated injection systems

WARNINGS:



Danger.

Risk of fire and explosion. Petrol must never be mixed with diesel fuel.



Danger.

Risk of fire and explosion. If paraffin has already separated and this has caused operational malfunctions, do not under any circumstances heat components using sources of heat, e.g. heaters, heat radiators, hot air blowers or blow torches. Risk of damage to components. Risk of fuel escaping.



Note:

Please observe the further notes in the text.

▷ Further notes on winter operation with diesel fuel can be found on Mercedes-Benz Specifications for Service Products sheet 137.0.

Exhaust gas cleaning malfunction



The malfunction indicator lamp lights up in the event of a malfunction in the exhaust gas cleaning system (SCR system).



Note:

The indicator lamp is located in the instrument cluster.



Danger.

Have the malfunction rectified by an EvoBus Service Partner immediately.

Fault in the exhaust gas cleaning system



The malfunction indicator lamp flashes in the event of a fault in the exhaust gas cleaning system (display if permissible NOx values exceeded) or if the AdBlue supply tank runs empty. If the malfunction message was triggered by the AdBlue supply tank running empty, it is necessary to top up the AdBlue level immediately. If the AdBlue supply tank has run empty, the driver must have actively acknowledged the AdBlue level operating display (see above) at some time previously.



Note:

The indicator lamp is located in the instrument cluster.



Danger.

Have NOx faults rectified immediately by an EvoBus Service Partner.

Engine torque reduction



In the event of an NOx fault (display if permissible NOx concentration exceeded), engine torque will be reduced the next time the bus moves off from stationary. In this situation, a fault is also present in the exhaust gas cleaning system, i.e. the malfunction indicator lamp flashes. If the fault was caused by the AdBlue supply tank running empty, the AdBlue level operating display (see

Pulling out/sliding in the platform



M72_00-0405-71

- ▶ Release flap lock (1) (turn clockwise).



Note:

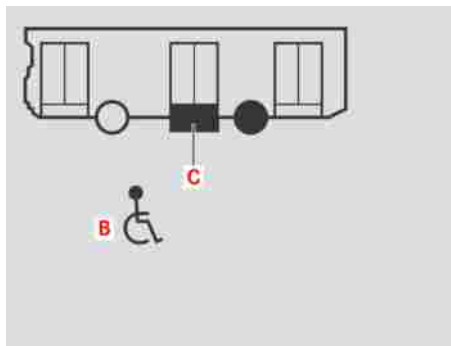
If the electrical system is switched on, releasing flap lock (1) on ramp cover flap (2) activates the bus stop brake.



Danger.

The bus must not be moved while the ramp is in the extended position.

The ramp indicator lamp in the instrument cluster lights up.



M54_00-1356-71.tif

The following is shown on the screen: “Ramp extended” (C).



Note:

“Wheelchair” symbol (B) is displayed when the ramp has been requested.



M72_00-0401-71

- ▶ Release the platform.



Danger.

Risk of entrapment

Fold ramp cover flap (2) open in the direction of the arrow and briefly push it down.

Malfunction display: yellow warning level A

Removing stains



Caution:

Remove dirt as quickly as possible to avoid permanent stains and prevent damage to the covers.

- ▶ Remove as much dirt as possible using a lint-free cloth.
- ▶ Work mild, lukewarm soap into the dirt using a soft sponge in circular movements from the outside in. Apply light pressure when doing this.



Note:

Always work on the dirt from the outside in so that the dirt is not spread over the fabric.

- ▶ Remove the soap used using a clean, soft sponge.
- ▶ Wait until the freshly cleaned areas are completely dry.



Caution:

The covers must be completely dry before they are used again. Permanent pressure marks could otherwise form.

- ▶ Finally, brush the cover and the cleaned areas using a soft brush following the nap of the fabric.



Caution:

If in any doubt, use a professional textile cleaning company.

Malfunction display: yellow warning level A



M54_00-1051-01

Malfunctions indicated by warning level A are displayed on screen (23) immediately in conjunction with yellow warning lamp (14). No warning signal sounds.



Caution:

In the event of a malfunction of this warning level, it is permissible to drive on carefully but the bus should be checked by an EvoBus Service Partner at the earliest opportunity.

Switches on the right section of the instrument panel

No.	Description	Page
1	Sign box illumination switch	
1	Driver's area lighting switch	
2	Passenger compartment night lighting switch	
2	Raise bus above normal level pushbutton	
3	Retarder on/off switch (customer option)	
4	Retarder direct on/off switch (customer option)	
5	ASR (acceleration skid control) OFF pushbutton	
6	Steering limiter pushbutton	

No.	Description	Page
7	Hazard warning lamps switch	
8	Exterior loud-speaker on/off switch	
9	Communications radio 1/2 switch	
9	Communications radio tone call/speak pushbutton	
10	Rotary light switch	102
11	Passenger-compartment lighting position I+II switch	
12	Payment tray lighting switch	

Switches on the right section of the instrument panel

**Note:**

The overview shows the maximum utilisation of the instrument panel with switches and instruments in their intended positions. Switches can be assigned to another position on the instrument panel if this has been specified in the order.

No.	Description	Page
1	Speedometer	
2	Display for total distance recorder/trip meter	
3	To reset the trip meter	
4	Red warning level malfunction lamp	
5	Yellow warning level malfunction lamp	
6	Turn signals/hazard warning lamps indicator lamp	
7	Headlamp flasher/main-beam indicator lamp	
8	Brake system malfunction indicator lamp	

No.	Description	Page
9	Hazard warning lamps indicator lamp	
10	Not assigned	
11	Not assigned	
12	Ramp indicator lamp	
13	Engine malfunction indication lamp (MIL)	
14	Screen (display)	

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Screen: description



M68_00-0203-71

Screen (14) is a status indicator for displaying operating and malfunction information. To provide the driver with information in an organised manner, the operating information is divided into three display types: 1.) Operating displays, 2.) Displays in driving mode, 3.) Displays in bus stop mode. For malfunction information, a distinction is made between major and minor malfunctions. Malfunction information is subdivided into four warning levels: 1.) Red warning level, 2.) Yellow warning level A, 3.) Yellow warning level B, 4.) Warning level C.

Screen (14) can also be used to display on-board diagnostics information. Screen (14) is activated whenever the following functions are switched on: electrical system, door opened from outside, exterior lighting, interior lighting, hazard warning lamps, radio call.

i Note:

The messages for the operating information and malfunction information are displayed in the language selected

i Note:

After the electrical system has been switched on, each of the operating displays is displayed automatically in succession.

i Note:

If the exterior lighting is switched on, screen (14) shows the display in inverse video (highlighted). If a malfunction occurs, this malfunction is displayed only if the key is in the drive position in the ignition starter switch.

i Note:

Also displayed is information from the computer-controlled operation management system (option).

Screen sequence

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Malfunction displays: yellow warning level A - overview



Note:

Depending on the type of malfunction, the same symbol may be displayed with a different malfunction text, see symbol (15) for example.

1 ABS/ASR failure



Note:

If the "Bus stop brake malfunction" message is also displayed on the screen, the bus stop brake is no longer operational.

1 ASR trailing axle malfunction (buses with four axles only)



Danger.

With increased caution, it is possible to continue to drive the bus (route can be completed). The bus must then be inspected as soon as possible in the workshop. Braking performance may be affected. Traction could be limited on slippery surfaces.

- 2 Parking brake malfunction
- 3 Retarder malfunction
- 4 Bus stop brake malfunction
- 5 Undervoltage
- 6 No battery charge
- 7 No battery charge
- 8 No battery charge
- 9 Fuel level too low
- 10 Supply pressure too low
- 11 Level control malfunction
- 12 Entry aid malfunction
- 13 Anti-jackknifing system malfunction (articulated buses only)

- 14 Auxiliary steering malfunction (buses with trailing axle only)
- 15 Oil level too low, check oil level
- 15 Engine oil replenishment failure. Oil level too low, check oil level. (Only in buses with automatic oil replenishment)
- 15 Oil level too high, check oil level



Caution:

There is a risk of engine damage if the oil level is too low or too high. For this reason, correct the oil level at the earliest opportunity.

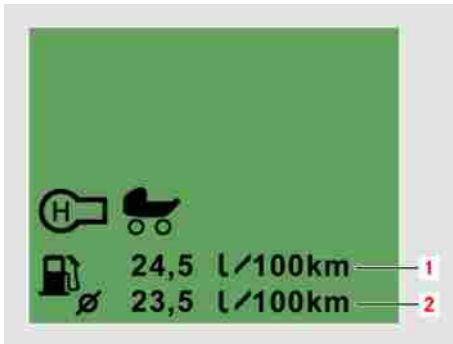


Note:

Observe the "Display mode: bus stop mode - overview" section.

- 16 Air drier malfunction
- 17 AdBlue level too low
- 18 Fire detection system failure

Calling up and interpreting the fuel consumption indicator (option)



M54_00-1256-71

- Interpreting the display while the bus is in motion:



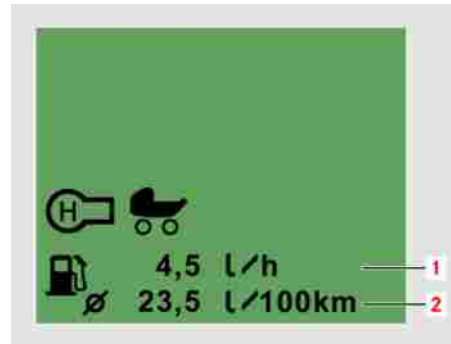
Note:

(1) = current consumption in l/100 km



Note:

(2) = average consumption in l/100 km (total)



M54_00-1257-71

- Fuel consumption indicator while the bus is stationary:



Note:

The display of current consumption is converted from l/100 km to l/h automatically while the bus is stationary ($v < 1.5$ km/h).



Note:

(1) = current consumption in l/h



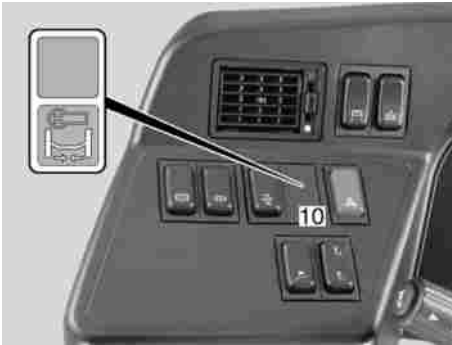
Note:

(2) = average consumption in l/100 km (total)



M54_00-1258-71

- To reset the average consumption (total), press RESET pushbutton (1) for longer than 2 seconds with a long, thin object (e.g. a pen).



M54_00-0512-01

- ▶ Press the upper section of pushbutton (10).
The automatic steering limiter is deactivated.

Guide wheel loss detection

- ▶ The driver is notified by the following alerts if the guide wheel bracket at the front axle is overloaded:

A buzzer sounds.

A yellow warning level A malfunction display is displayed.



An icon lights up and the following text appears on the screen: "Lane guidance malfunction".



Caution:

Have malfunctions rectified as soon as possible at a qualified specialist workshop which has the necessary specialist knowledge and tools.



Note:

As guided buses are wider than 2.55 m, these vehicles are subject to the approval conditions of the country in which they are operated.



Note:

If the bus is operated outside Germany, the requirements and regulations that apply in the country concerned must be observed.

Switching the windscreen heating (option) on/off



M54_00-1317-71

- ▶ Press the lower section of pushbutton (7).

The indicator lamp in pushbutton (7) lights up.

The heating is active.



The following is shown on the screen:
“Window/exterior mirror heated”.

- ▶ Press the upper section of pushbutton (7).

The indicator lamp in switch (7) goes out.

The heating is switched off.



The “Window/exterior mirror heated” indication display on the screen goes out.

Switching the windscreen heating (option) on/off



Note:

Precondition: electrical system on, engine running.



Note:

Windscreen heating is limited to approximately 12 minutes.

Selector positions of the 3-pushbutton switch panel

Selector positions of the 3-pushbutton switch panel

Note:

Precondition: pushbutton “N” pressed, bus stationary, service brake applied, accelerator pedal released (engine speed < 900 rpm).

Note:

Applies to the automatic transmissions: ZF Ecomat 6-speed transmission and Voith 4-speed automatic transmission.

Note:

Each button lights up when pressed.



Caution:

If the pressed button begins to flash, this is a warning that there is a severe risk of transmission damage (limited system monitoring). In this event, it is permitted to drive on to the nearest workshop but only with the engine under partial load.



Caution:

Observe the towing guidelines if the transmission is damaged.

▷ For towing guidelines, refer to the “Operation” section of the Operating Instructions.



M54_00-0229-01

▶ Press switch “R”.

The automatic transmission shifts to reverse gear.



Danger.

Risk of accident. Do not shift into reverse gear unless the bus is stationary and the engine is running at idling speed.

Heating/ventilation/air-conditioning control panel - driver's area

- A Air distribution
 - B Temperature control
 - C Blower output
- 11.2 Driver's area cooling



Note:

Operation of the auxiliary heating is limited to approximately 30 minutes with the electrical system switched off.



Note:

The auxiliary heating has to be switched on manually. It is not activated automatically.



M83_00-0123-01

- ▶ Press pushbutton (11.5).

The auxiliary heating switches on after approximately 10 to 15 seconds.

The indicator lamp in pushbutton (11.5) lights up.



The following appears on the screen: “Auxiliary heating on”.



Note:

Each press of the pushbutton initiates an auxiliary heating start-up attempt. The auxiliary heating will be disabled electronically after 10 unsuccessful start-up attempts.



Note:

To re-enable the auxiliary heating: switch the on-board power supply off and on.

- ▶ Press pushbutton (11.5) again.

The auxiliary heating system switches off.

The indicator lamp in pushbutton (11.5) goes out.



The “Auxiliary heating on” indication display on the screen goes out.

- ▶ Press the lower section of pushbutton (4).

The fans switch off.

The indicator lamp in pushbutton (4) goes out.



Note:

The fans stop automatically if the output of the interior blowers falls below approximately 62 %, if air-recirculation mode is active or if automatic passenger-compartment regulation is not active.

Emergency switch location

**Danger.**

Risk of accident. Only use the emergency switch in emergencies.

**Note:**

There is one interior and one exterior emergency switch at each of the doors.

**Note:**

Observe the laws and regulations in all countries concerned.

- 1 Emergency switch
 - in drive position, when the red handle strip on the emergency switch is parallel to the direction of travel,
 - in emergency position, when the red handle strip on the emergency switch is turned 90° relative to the direction of travel.

- 2 Emergency switch cover:
 - Open cover (2) before operating emergency switch (1).
 - Opening the doors in an emergency: Turn the emergency switch in the direction of the arrow from the drive position to the emergency position. The door leaves can be opened manually.

**Note:**

Warning functions when the electrical system is switched on: the red warning lamp lights up. The “Emergency switch operated” malfunction display is shown on the screen. A signal sounds. The corresponding door pushbutton on the instrument panel flashes.

**Note:**

Exterior emergency switch (1) next to the doors makes it possible for rescuers to gain access to the vehicle interior from the outside in the event of an emergency or an accident.

**Danger.**

All doors must be unlocked before departure (refer to the “Locking/unlocking the door leaves from the inside” or “Locking/unlocking door leaves from the outside” subsections in the “Opening/locking” section of the Operating Instructions). It may otherwise not be possible to open the doors urgently from the outside in an emergency.

Opening/closing automatic doors from the outside



Note:

Precondition: electrical system on, all doors unlocked.



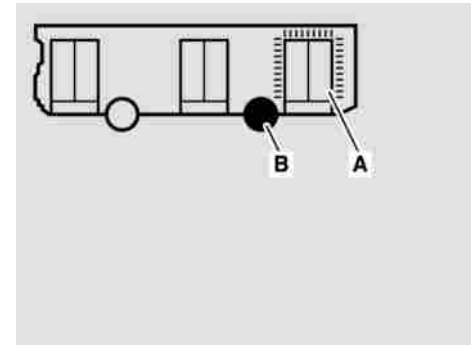
Danger.

Open doors increase the risk of accident for passengers. Do not drive the bus unless the doors are properly closed. Only enable the doors for opening using the door enable switch at bus stops and when the bus is stationary.



M54_00-0223-01

- ▶ Driver: press switch (35) to the right or down.



M54_00-0248-01

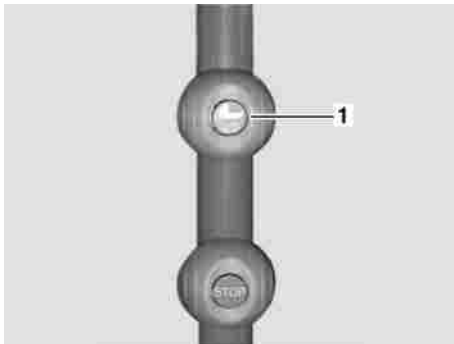
The following is shown on the screen: “Door enabled” (A) (door 3 in the example) and “Drive-off lock active” (B).

Pushchair stop request



Note:

Precondition: door release activated.



M72_00-0033-01

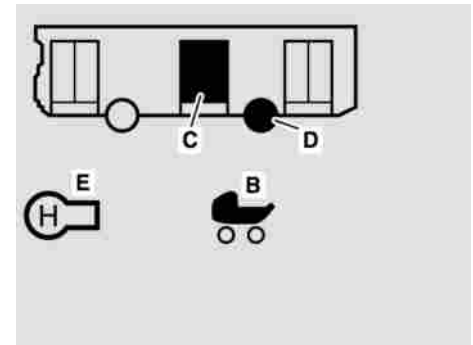
- ▶ Passenger: press pushbutton (1).

A signal sounds.



M82_00-0005-01

The “Bus stopping” or “Stop” passenger information lights up.



M54_00-0246-01

The following is shown on the screen: “Stop request” (E) (flashing), “Pushchair” (B).

Invisible tyre damage

Avoid crushing tyres against the kerb or switching off the bus when a part of the tyre tread is up on the kerb.

**Danger.**

Driving over the edge of the kerb or sharp edged objects can cause damage to the tyre substructure which is not visible externally. Damage to the tyre substructure only becomes noticeable much later and could cause the tyre to burst. This could result in you losing control of your bus and causing an accident, thereby injuring yourself and other people.

Tyre load capacity, top speed of tyres and types of tyres**Danger.**

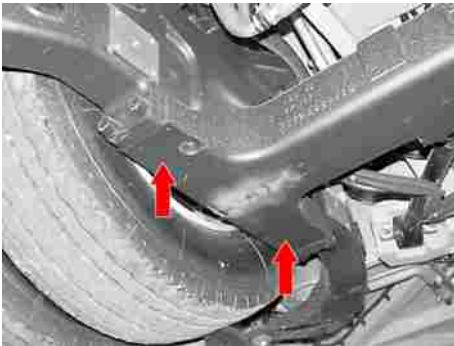
Exceeding the specified tyre load capacity or the approved maximum tyre speed could lead to tyre damage or tyre failure. This could result in you losing control of your bus and causing an accident, thereby injuring yourself and other people. For this reason, only use the approved tyre types and sizes for your bus model and note the required tyre load capacity and speed index for your bus. Pay particular attention to country-specific tyre approval regulations. These regulations may specify a particular type of tyre for your bus or prohibit the use of particular tyre types that may be approved in other countries. In addition, it may be advisable to use a specific type of tyre in certain regions or areas of use. You can obtain information on tyres from any EvoBus Service Partner.

Where twin tyres are fitted, the twin tyres must have the same external diameter, otherwise the tyre that has the

largest diameter will be overloaded. Tip: the simplest and most reliable measurement method is to check circumferences using a circumference tape.

**Note:**

The maximum tolerance for twin tyres is 0.5% of the tyre diameter. The larger tyre must always be fitted in the outboard position.



M00_00-0534-01

- ▶ Raise the bus at the jacking points on the centre axle shown in the illustration.



Caution:

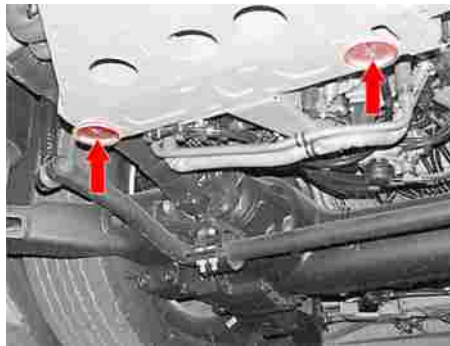
Never position the jack at the centre of the axle casing.

Jacking points, rear



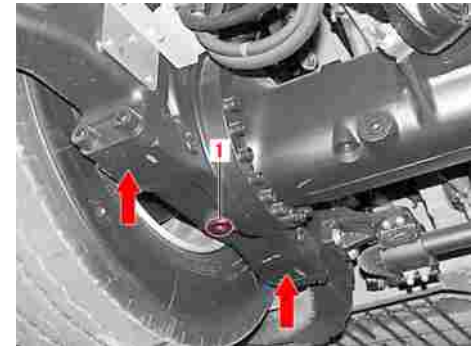
Danger.

Secure the bus against rolling away. Apply the parking brake and chock the front wheels.



M00_00-0530-01

- ▶ Raise the bus at the jacking points at the rear of the bus underbody shown in the illustration.



M00_00-0531-01

- ▶ Raise the bus at the jacking points on the rear axle shown in the illustration.



Caution:

Never position the jack against oil drain plug (1) or in the centre of the axle casing.

Jump-starting where vehicle batteries are mounted one above the other



Note:

Test regularly.

Jump-starting where vehicle batteries are mounted one above the other



Danger.

Risk of accident. Secure the bus against rolling away.

- ▶ Turn the key in the ignition starter switch back to the stop (position “0”).



M54_00-0683-01

- ▶ Open the service cover on battery compartment (1).

Note on maintenance work

Note on maintenance work



Note:

All the maintenance work is described in special instructions. The tasks listed here are not subject to any maintenance interval in particular, rather they should be carried out as frequently as appropriate given the conditions of vehicle use.

Cleaning the underbody



Note:

The underbody refers to the entire underbody of the bus, including the bus floor, the wheel housings and the underbody carcass.



Note:

The underbody should be inspected at regular intervals and cleaned according to the level of dirt, but at least once a year in conjunction with the annual maintenance service. This enables underbody protection coating which is flawed or damaged to be identified and remedied in good time.

Cleaning the underbody with a hot-water high-pressure cleaner



Note:

Remove the protective cladding on the underbody and clean it separately.



Note:

The underbody is protected by protective coatings against corrosion and stones being thrown up. Clean as carefully as possible to avoid washing off or damaging the good protective layers. Match the water temperature and pressure to the spray nozzle and spraying distance appropriately.



Note:

The underbody should be washed primarily using clean water. Only use a cleaning product on dirt which is very difficult to remove.

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