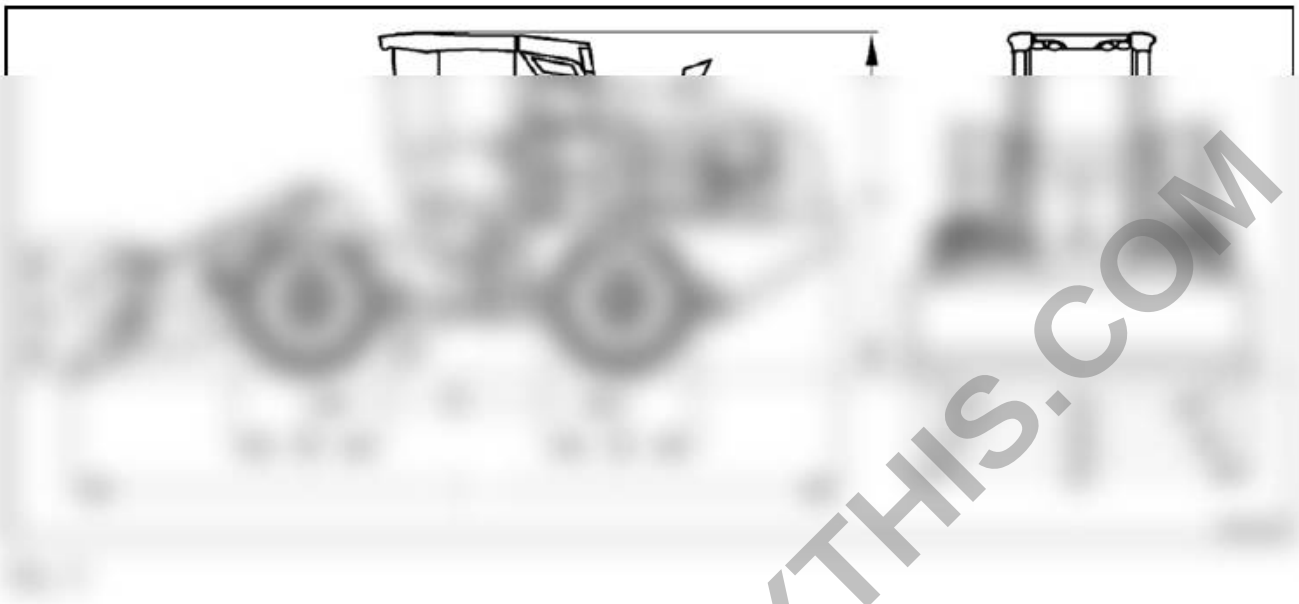
Technical data

Dimensions



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4.1 Driver's stand

Overview of driver's stand

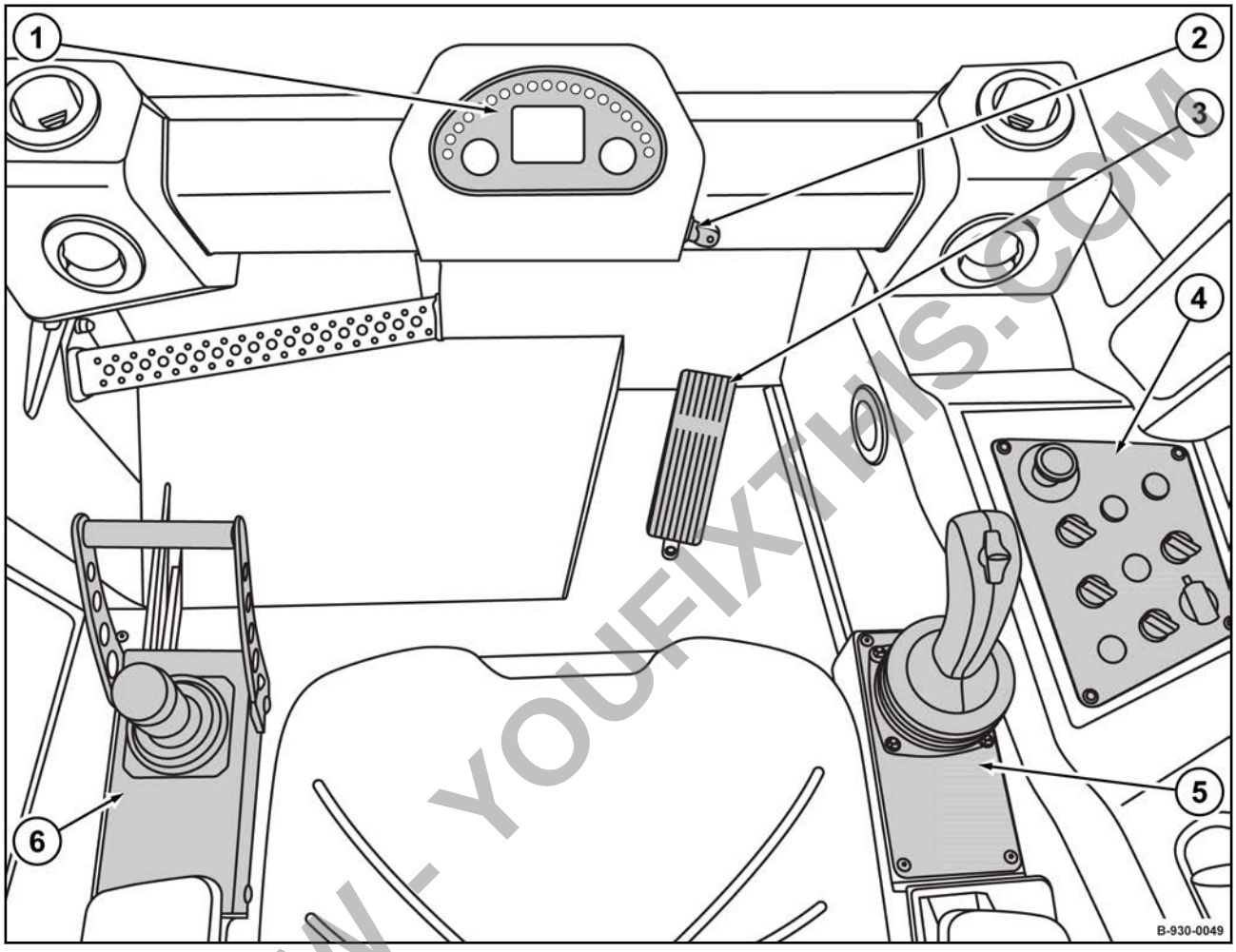


Fig. 23

1 Instrument cluster
2 Starter switch
3 Travel pedal
4 Operating console
5 Console for dozer blade control or tilt blade control
6 Steering lever console

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6.3 Starting the engine

Prerequisites:

- Main battery switch switched on
- Emergency stop switch unlocked
- Travel direction switch in position “N”

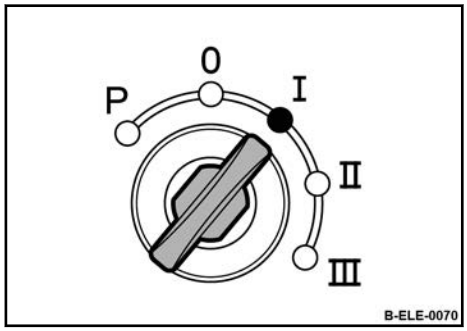


Fig. 85

1. Turn the ignition key to position “I”.

⇨ All control and warning lights in the instrument cluster light up for a moment.

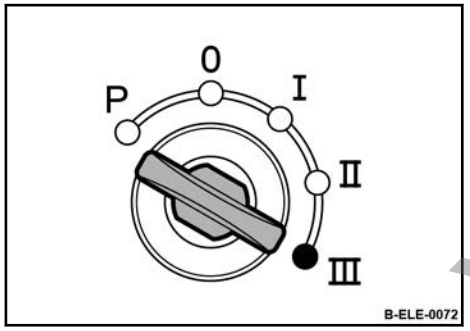


Fig. 86

2.

The starter switch is designed with a re-start lock. The ignition key must first be turned back to position “0” before a new starting attempt can be made.

NOTICE!

Components may get damaged!

– Run the starting process for maximum 20 seconds without interruption and pause for a minute between starting attempts.
– If the engine has not started after two attempts, determine the cause.

Turn the ignition key through position “II” to position “III”.

⇨ The starter cranks the engine.

NOTICE!

Danger of engine damage!

– Warm up engine for a short while before starting work. Do not operate the engine immediately under full load.

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8.7 Every 500 operating hours

8.7.1 Changing engine oil and oil filter element

Perform this maintenance work at the latest after one year.

Perform this maintenance work at the latest after one year.

NOTICE!

Danger of engine damage!

- Change the oil only with the engine at operating temperature.
- Use only oil of the permitted specification ↳ *Chapter 8.3.1 „Engine oil“ on page 130*.
- Filling quantity: ↳ *Chapter 8.4 „List of fuels and lubricants“ on page 137*

Protective equipment:
- Working clothes
- Protective gloves

1. Park the machine in secured condition ↳ *Chapter 6.7 „Parking the machine in secured condition“ on page 98*.

WARNING!

Danger of burning on hot components!

- Wear your personal protective equipment (protective gloves, protective clothing).
- Avoid touching hot components.

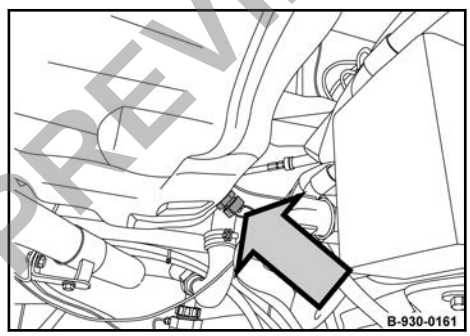


Fig. 166

2. Connect the drain hose and collect running out oil.
   ⇨ The drain valve opens when the drain hose is screwed on.
3. Unscrew the drain hose again.

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9.1 Preliminary remarks

Malfunctions are frequently caused by incorrect operation of the machine or insufficient maintenance. Whenever a fault occurs you should therefore thoroughly read these instructions on correct operation and maintenance.

If you cannot locate the cause of a fault or rectify it yourself by following the trouble shooting chart, you should contact our customer service department.

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3.1 General prerequisites

3.1.1 General

This BOMAG machine has been built in compliance with the latest technical standard and complies with the applicable regulations and technical rules.

However, dangers for persons and property may arise from this machine, if:

- it is used for purposes other than the ones it is intended for,
- it is operated by untrained personnel,
- it is changed or converted in an unprofessional way,
- the safety instructions are not observed.

Each person involved in the operation, maintenance and repair of the machine must therefore read and comply with these safety regulations. If necessary, the operating company must obtain the relevant signatures as confirmation.

Furthermore, the following obviously also applies:

- applicable accident prevention instructions,
- generally accepted safety and road traffic regulations,
- country specific safety regulations.

It is the duty of the operator to be acquainted with the safety regulations and to apply these accordingly. This also applies for local regulations and regulations concerning different types of handling activities. Should the recommendations in these instructions be different from the regulations valid in your country, you must comply with the safety regulations valid in your country.

3.1.2 Explanation of signal words used:

DANGER!

Danger to life if failing to comply!

Sections marked accordingly indicate an extremely dangerous situation that could lead to fatal or severe injuries, if this warning is disregarded.

WARNING!

Danger to life or danger of severe injuries if failing to comply!

Sections marked accordingly indicate a dangerous situation that could lead to fatal or severe injuries, if this warning is disregarded.

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3.11 Repair

Identify a defective machine with a warning sign.

Only operate the machine after it has been repaired.

Repairs must only be performed by an expert/qualified person.

When replacing safety relevant components, only original spare parts must be used.

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6.1 Set-up the work place

1. Park the machine in secured condition ↳ *Chapter 6.7 „Parking the machine in secured condition“ on page 98*.

6.1.1 Adjust the driver’s seat

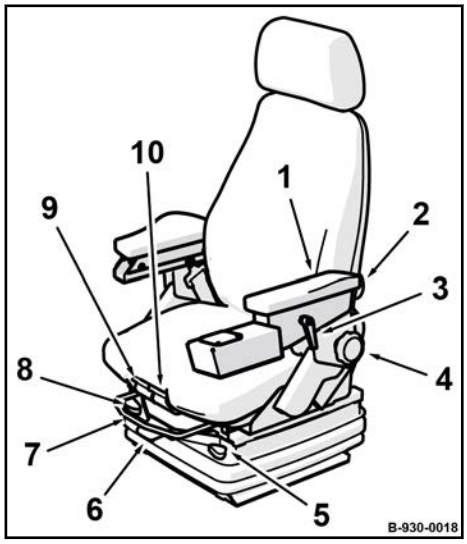


Fig. 73

1 Backrest inclination
2 Backrest curvature
3 Position of armrest
4 Height of armrest
5 Horizontal suspension
6 Driver's weight and seat height
7 Length adjustment
8 Shock absorption
9 Seat depth
10 Seat area inclination

Adjusting the inclination of the backrest

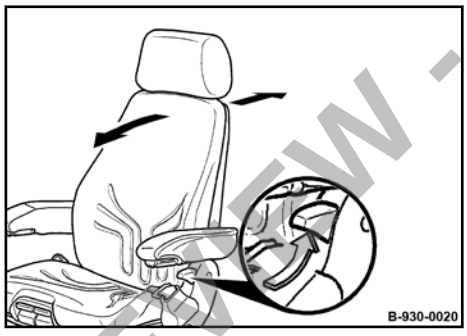


Fig. 74

1. Operate the lever and tilt the backrest forward or back.

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8.1 Preliminary remarks and safety notes



DANGER!

Danger to life caused by an operationally unsafe machine!

– The machine must only be serviced by qualified and authorized personnel.
– Follow the safety regulations for maintenance work ↳ *Chapter 3.10 „Maintenance work“ on page 41*.



WARNING!

Health hazard caused by fuels and lubricants!

– Safety regulations and environmental protection regulations when handling fuels and lubricants must be followed ↳ *Chapter 3.4 „Handling fuels and lubricants“ on page 28*.

The terms right/left always correspond with travel direction forward.

1. Thoroughly clean machine and engine before starting maintenance work.
2. For all maintenance work park the machine is secured condition ↳ *Chapter 6.7 „Parking the machine in secured condition“ on page 98*.
3. Wear your personal protective outfit.
4. Do not touch hot engine parts.
5. Always remove the main battery switch for all maintenance work.
6. Perform maintenance work only with the engine shut down.
7. Always attach the articulation lock when working in the area of the articulated joint.
8. Dump the pressure from hydraulic lines before working on them.
9. Before working on electric parts disconnect the battery and cover it with insulation material.
10. After all maintenance work is completed reinstall all guards and safety installations.

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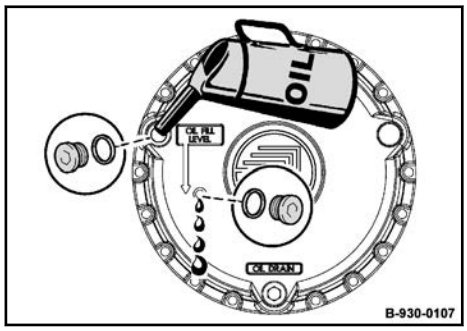


Fig. 209

6. Fill in oil through the filler bore, until it starts to run out through the level inspection bore.
7. Turn the filler- and oil level inspection plug back in with a new seal ring.
8. Change the oil in all four travel gears.
9. Dispose of oil in an environmentally friendly way.

8.8.5 Checking the ROPS

On machines with cabin the ROPS (roll over protection structure) is an integral part of the cabin.

All bolted connections must comply with the specifications and should be absolutely tight (observe the tightening torques).

Screw and nuts must not be damaged, bent or deformed.

Unusual movements and noises (vibrations) during operation are signs for damage or loosened fastening elements.

1. Inspect the cabin, especially the ROPS, for cracks, corrosion, damage and missing fastening parts.
2. Check the fastening screws for the cabin (ROPS) to the operator’s stand for tight fit.
3. Check the rubber buffers of the operator’s platform suspension for condition and tight fit.
4. Check the condition and fastening of the seat belts.

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