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Display and control elements

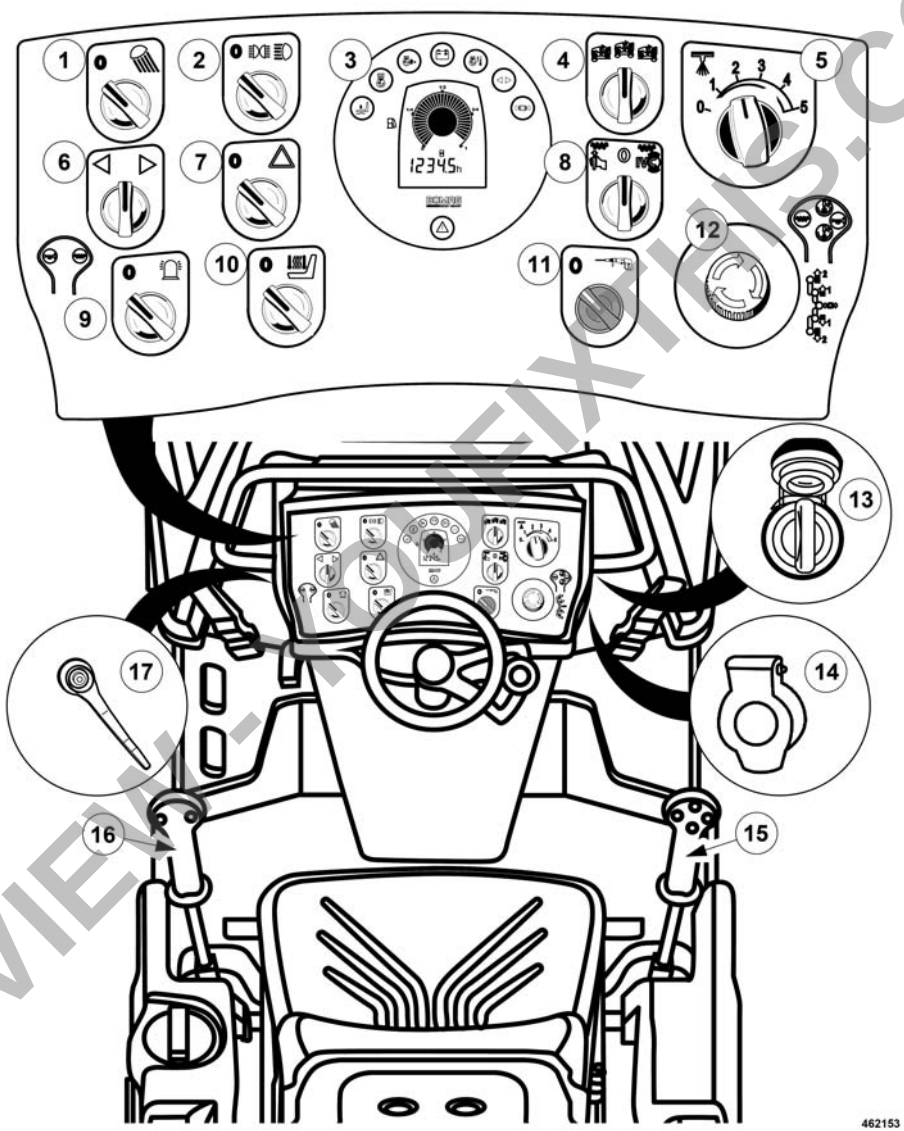


Fig. 23

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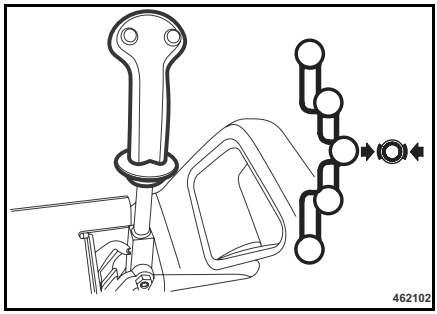


Fig. 53

- Shift the travel lever (Fig. 53) to parking brake position.

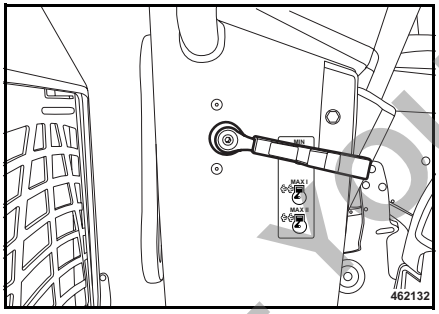


Fig. 54

- Set the throttle lever (Fig. 54) to position "MIN".

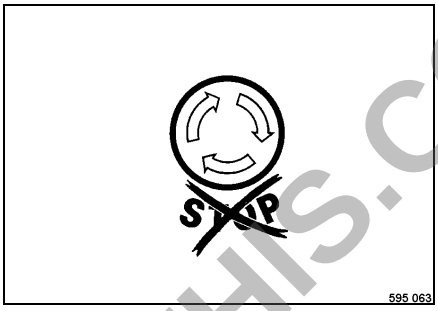


Fig. 55

- Check, whether the emergency stop switch (Fig. 55) is unlocked.

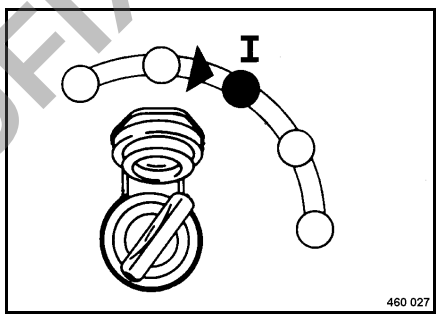


Fig. 56

- Turn the ignition key (Fig. 56) to position "I".

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6.5 Maintenance table

No.	Maintenance work	Note
With all maintenance intervals perform also the work for shorter preceding service intervals.		
Every 10 operating hours		
6.6	Check the engine oil level	Dipstick mark
6.7	Check the fuel level	
6.8	Check the hydraulic oil level	Inspection glass
6.9	Check the hydraulic oil filter element	Contamination indicator
6.10	Check the coolant level	Inspection glass
6.11	Check the water level	
6.12	Check the emulsion level	only on ACM/SCC-machines
Every 50 operating hours		
6.13	Check, clean the air filter, replace if necessary	min. 1 x year
6.14	Check fuel lines and clamps	
6.15	Check, clean the water separator	

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7.2 Engine problems

Fault	Possible cause	Remedy
No or poor starting of engine	Fuel tank empty	Fill fuel tank
	Fuel filter clogged, in winter due to paraffin separation	Change the fuel filter, use winter fuel
	Fuel lines leaking	Check all line connections for leaks and tighten the fittings, bleed the fuel system
	Water in the fuel system	Cleaning the water separator.
	Travel lever not in "0"-position	Shift the travel lever to position "0".
	Battery discharged or not connected, battery power too low	Charge the battery, clean the terminal clamps, tighten and cover them with acid-free grease, have battery tested
	Emergency stop push button is locked	Unlock the emergency stop switch
	Especially in winter: use of too viscous engine oil	Use the correct engine oil for the ambient temperatures

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Safety regulations

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, this must be confirmed by obtaining the signature of the customer.

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 these instructions and to apply these accordingly. This applies also for local regulations concerning different types of handling work. 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.

Intended use

This machine must only be used for:

- Compaction of bituminous material, e.g. road surface layers,
- light to medium compaction work in earth construction or road sub-bases.

Unintended use

Dangers may arise from the machine when it is used for purposes other than the one it is intended for.

Any danger caused by intended use is the sole responsibility of the customer or driver/operator, the manufacturer cannot be made liable.

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Foreword

Compactors" and all relevant accident prevention regulations.

For your own personal safety you should only use original spare parts from BOMAG.

For your machine BOMAG offers service kits to make maintenance easier.

In the course of technical development we reserve the right for technical modifications without prior notification.

These operating and maintenance instructions are also available in other languages.

Apart from that, the spare parts catalogue is available from your BOMAG dealer against the serial number of your machine.

Your BOMAG dealer will also supply you with information about the correct use of our machines in soil and asphalt construction.

The above notes do not constitute an extension of the warranty and liability conditions specified in the general terms of business of BOMAG.

We wish you successful work with your BOMAG machine.

BOMAG GmbH

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Examples for unintended use are:

- work with vibration on hard concrete, cured bitumen layers or extremely frozen ground
- cleaning the drums while driving or changing nozzles during travel.
- driving on unstable subbases or insufficient grip or too small contact area (danger of tipping over)
- Passing over high borders (e.g. curbstones, embankments, trenches, potholes)
- unauthorized use of public roads
- Using the machine for towing

Transporting persons, except the machine driver, is prohibited.

Starting and operation of the machine in explosive environments and in underground mining is prohibited.

Remaining dangers, remaining risks

Despite careful work and compliance with standards and regulations it cannot be ruled out that further dangers may arise when working with and handling the machine.

Both the machine as well as all other system components comply with the currently valid safety regulations. Nevertheless, remaining risks cannot be ruled out completely, even when using the machine for the purpose it is intended for and following all information given in the operating instructions.

A remaining risk can also not be excluded beyond the actual danger zone of the machine. Persons remaining in this area must pay particular attention to the machine, so that they can react immediately in case of a possible malfunction, an incident or failure etc.

All persons remaining ion the area of the machine must be informed about the dangers that arise from the operation of the machine.

Regular safety inspections

Have the machine inspected by an expert (capable person) as required for the conditiosn the machine is working under, but at least once every year.

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the pre-heating control light lights up.
The pre-heating control light in the instrument cluster lights up.

i Note

The engine can only be started if the travel lever is in braking position and the emergency stop switch is unlocked.

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.

Position "III" = Turn further against spring pressure, the engine starts, turn the ignition key back to position "I" once the engine has started.

⚠ Caution

Run the engine warm for a short while before starting work. Do not rev up a cold engine to high idle speed/full load speed.

Do not shut down the engine all of a sudden from full load speed, but let it idle for about 2 minutes.

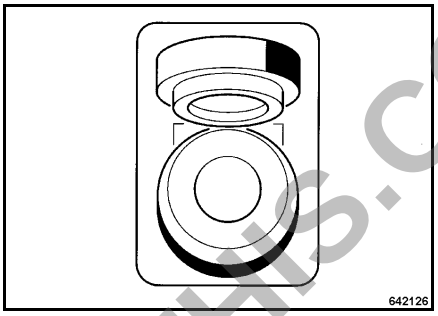


Fig. 37

No. 14 = 12V-socket

Permanent current, loadable up to 10 A.

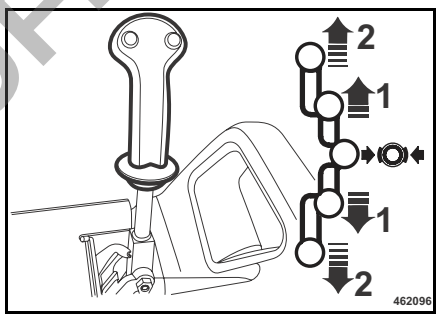


Fig. 38

No. 15 = Travel lever

Position "0" = Neutral position for engine start, brake closed.

Position "1" = Forward/reverse travel up to approx. 5 km/h (3.1 mph)

Position "2" = Forward/reverse travel up to approx. 10 km/h (6.2 mph)

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5.17 Loading/transport

Loading with loading ramp

⚠ Danger

Danger of accident! Life hazard!

Use only stable loading ramps of sufficient load bearing capacity. The ramp inclination must be less than the gradability of the machine.

Loading ramps must be free of grease, oil, snow and ice.

Make sure that persons are not endangered by the machine tipping or sliding off.

During demonstration and when loading the machine do not remain in the danger zone of the machine.

Secure the machine with the articulation lock after driving it on the transport vehicle.

- Drive the machine carefully on the transport vehicle.

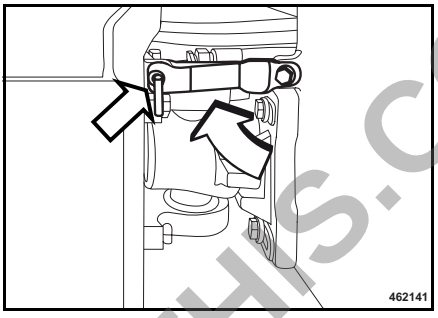


Fig. 106

- After driving the machine onto the transport vehicle attach and secure the articulation lock (Fig. 106).

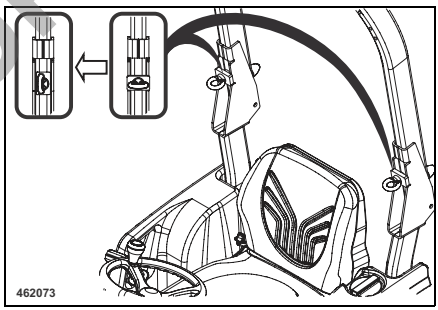


Fig. 107

- Fold down the foldable ROPS[1] for transport. Loosen the eye bolts (Fig. 107) and adjust the clamping plates vertically.
- Fold the foldable ROPS back.

1 Optional equipment

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6.17 Checking, tensioning, replacing the V-belt

Checking the V-belt

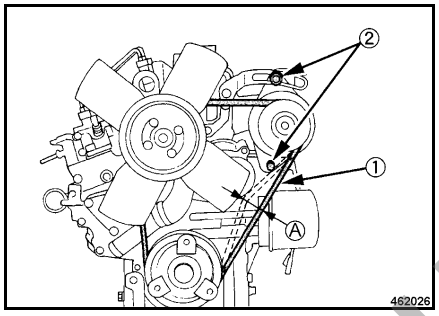


Fig. 136

- Inspect the entire circumference of the V-belt (1) (Fig. 136) visually for damage and cracks.
- Replace a damaged or cracked V-belt immediately.
- Check with thumb pressure whether the V-belt can be depressed more than 7 to 9 mm (0.28 – 0.35 inch) between the V-belt pulleys, retighten if necessary.

Tightening the V-belt

- Slightly slacken the fastening screws (2) .
- Press the generator in direction outward using a lever, until the correct V-belt tension is reached.
- Retighten all fastening screws and check the V-belt tension once again.

Changing the V-belt

- Slightly slacken the fastening screws (2) .
- Press the generator completely against the engine.
- Remove the old V-belt.
- Fit the new V-belt to the V-belt pulleys.
- Tension the V-belt as previously described.

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