4.1 Operator's stand

4.1.1 Main control panel

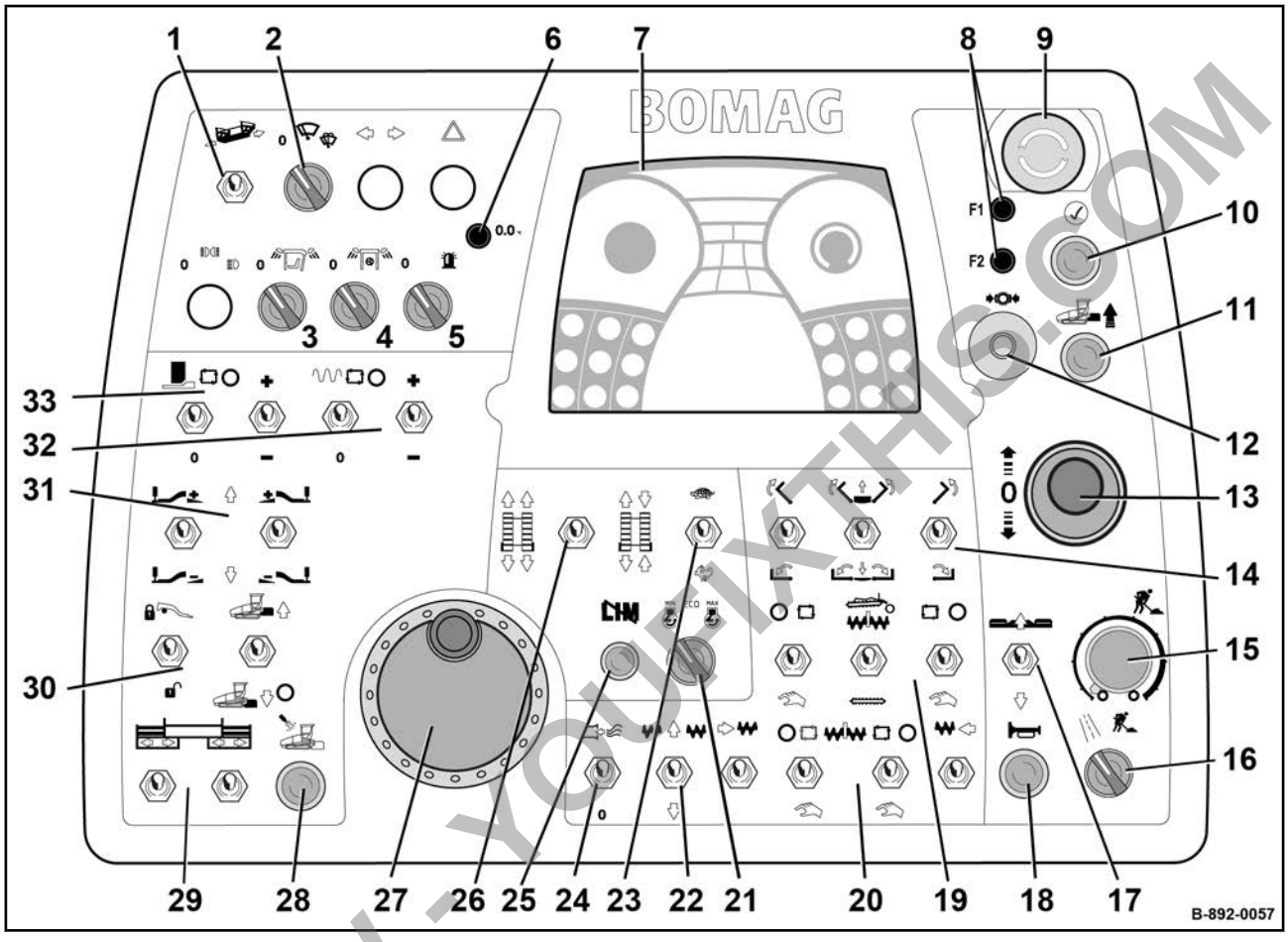


Fig. 14

1 Toggle switch on driver's platform *(optional equipment)*
2 Rotary switch/button windscreen wiper/washer *(optional equipment)*
3 Rotary switch working lights front and rear
4 Rotary switch, lateral working lights *(optional equipment)*
5 Rotary switch for flashing beacon
6 Function button to reset the meter counter
7 LC-Display unit
8 Function keys F1 and F2
9 Emergency stop push button
10 Push button to release hydraulics and travel functions
11 Push button for partial unloading of screed
12 Parking brake switch
13 Travel lever
14 Hopper control panel
15 Travel speed potentiometer
16 Rotary switch for operating mode
17 Toggle switch press rollers *(optional equipment)*
18 Push button for warning horn
19 Scraper belt control panel
20 Auger control panel
21 Rotary switch for engine speed

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6.2 Start the engine

Prerequisites:

- Main battery switch switched on
- All emergency stop switches unlocked
- Travel lever in "Middle" position
- with dismounted external operator stations: Dummy plug from the accessories connected to the connecting cable

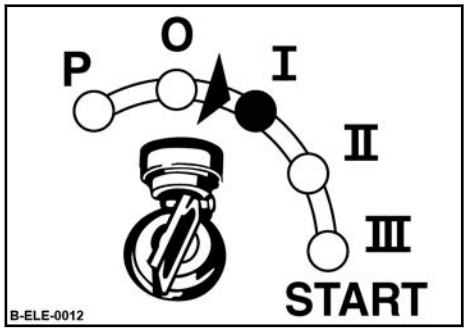


Fig. 99

1. Turn the ignition key to position "I".

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



Fig. 100

2. If the preheating control lamp lights, wait until it goes out before you start the engine.

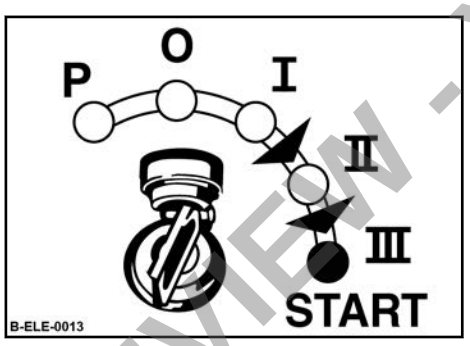


Fig. 101

3.

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.

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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.

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 27*.

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 'Park the machine in secured condition.' on page 119*.
3. Wear your personal protective equipment.
4. Do not touch hot components.
5. Always remove the main battery switch for all maintenance work.
6. Perform maintenance work only with the engine shut down.
7. Dump the pressure from hydraulic lines before working on them.
8. Before working on electric parts disconnect the battery and cover it with insulation material.
9. After all maintenance work is completed reinstall all guards and safety installations.
10. Close all maintenance flaps and doors after maintenance work has been completed.

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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 instruction 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 customer 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 amnd 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 warning signs:



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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3.8 Refuelling

Do not inhale any fuel fumes.

Refuel only with the engine shut down.

Do not refuel in closed rooms.

No open fire, do not smoke.

Static charges may be generated in the fuel as it passes through the filling system. The discharge of these charges in the presence of combustible vapours can cause fire or an explosion.

Ultra-low sulphur diesel fuel poses a higher risk of combustion caused by the static charging than diesel fuel with a higher sulphur content.

You should therefore always make sure that the filling system is properly grounded and that there is equipotential bonding to the machine. If necessary use a connecting cable between filling system and vehicle ground.

Monitor the entire refuelling process.

Do not spill any fuel. Collect leaking fuel, do not let it seep into the ground.

Wipe off spilled fuel. Keep dirt and water away from the fuel.

A leaking fuel tank can cause an explosion. Ensure tight fit of the fuel tank cover, if necessary replace immediately.

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4.4 Screed operating console

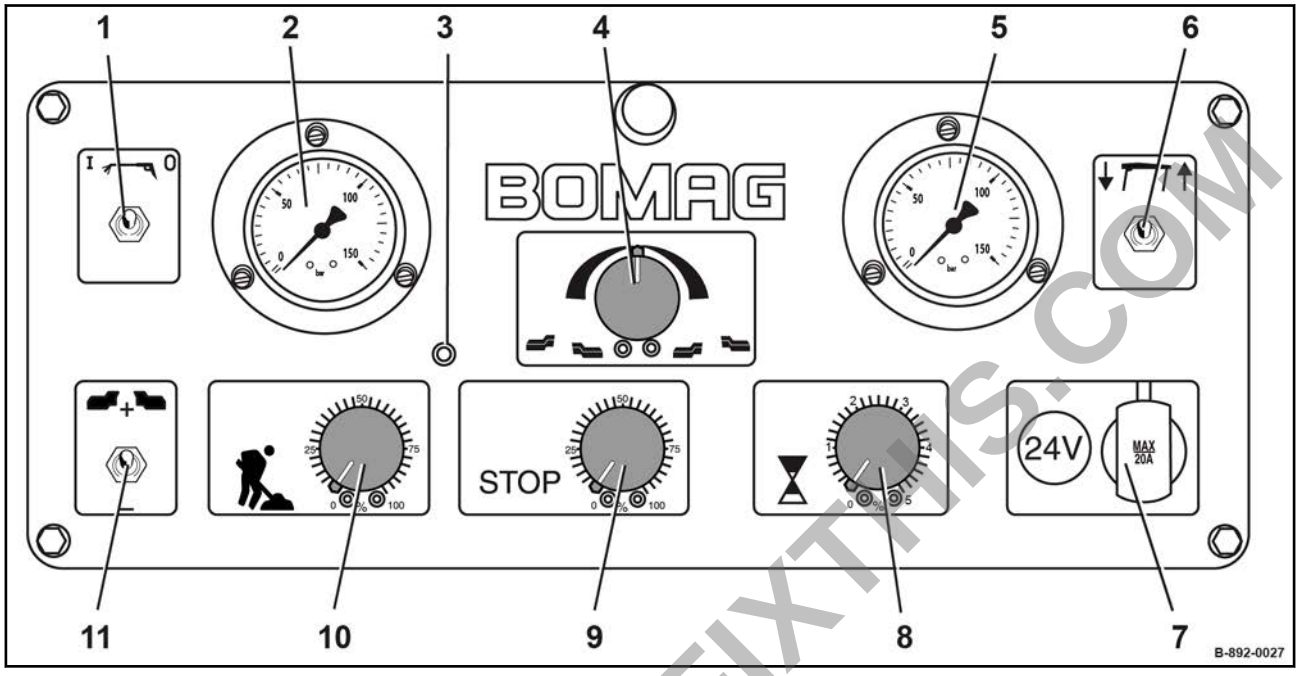
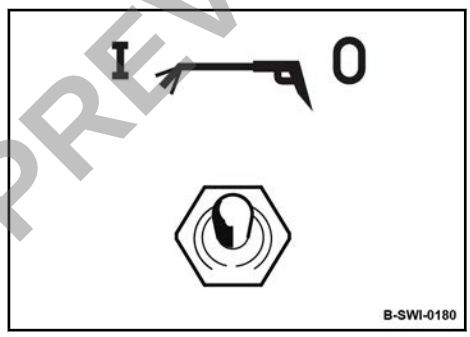


Fig. 61

1 Toggle switch for cleaning system
2 Pressure gauge for relief pressure
3 Control lamp screed relieved
4 Potentiometer screed relieve right/left distribution *(optional equipment)*
5 Pressure gauge for relief pressure *(optional equipment)*
6 Toggle button protection roof *(optional equipment)*
7 24 V Universal socket
8 Potentiometer for timer
9 Potentiometer for screed relief - machine stopped
10 Potentiometer for screed relief - machine in motion
11 Toggle button straight crossfalls adjustment *(optional equipment)*

4.4.1 Toggle switch for cleaning system



Position "Left"	Cleaning system on
Position "Right"	Cleaning system off

Fig. 62

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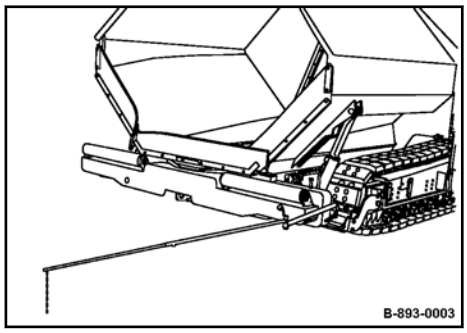


Fig. 123

12. Move the machine to start position and align the guide rod with the edge of the carriageway or a guideline.

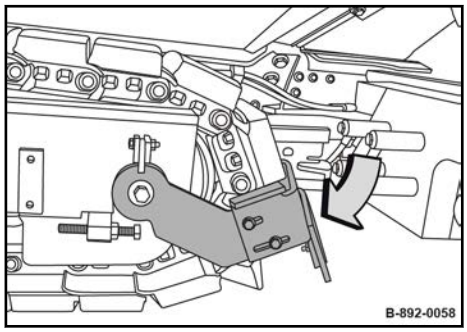


Fig. 124

13. Lower the scrapers on both sides.

14. If necessary, adjust the shape of the crown *Chapter 6.9.2 'Adjusting the straight crossfalls' on page 122*.

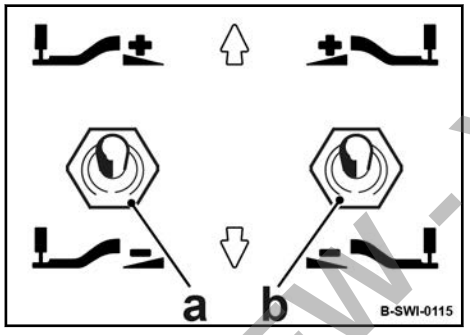


Fig. 125

15. Operate the toggle buttons for cylinder left (a) and right (b) to adjust the mat height left and right.

The mat thickness must be at least 2.5 times the maximum grain diameter.

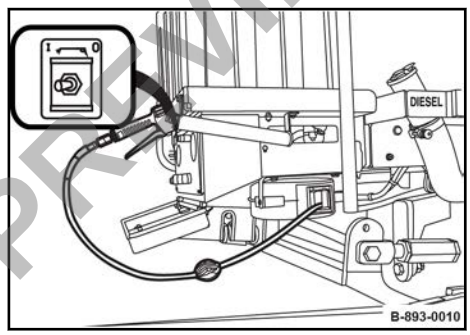


Fig. 126

16. Spray all parts, that come into contact with asphalt mix, with a release agent, using the cleaning system.

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8.9.9 Checking the track lengthening

	Distance between 5 track links
new track	622.4 mm (24.5 in)
Replace the track if	632.3 mm (24.9 in)

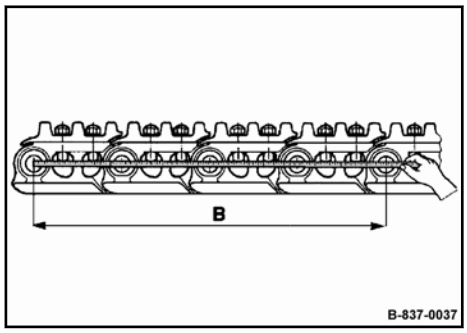


Fig. 256

1. Park the machine in secured condition ↳ *Chapter 6.7 'Park the machine in secured condition.' on page 119*.
2. Measure the length of five track links to the centre of the bolt (B).
3. In case of excessive track lengthening the track must be replaced.

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