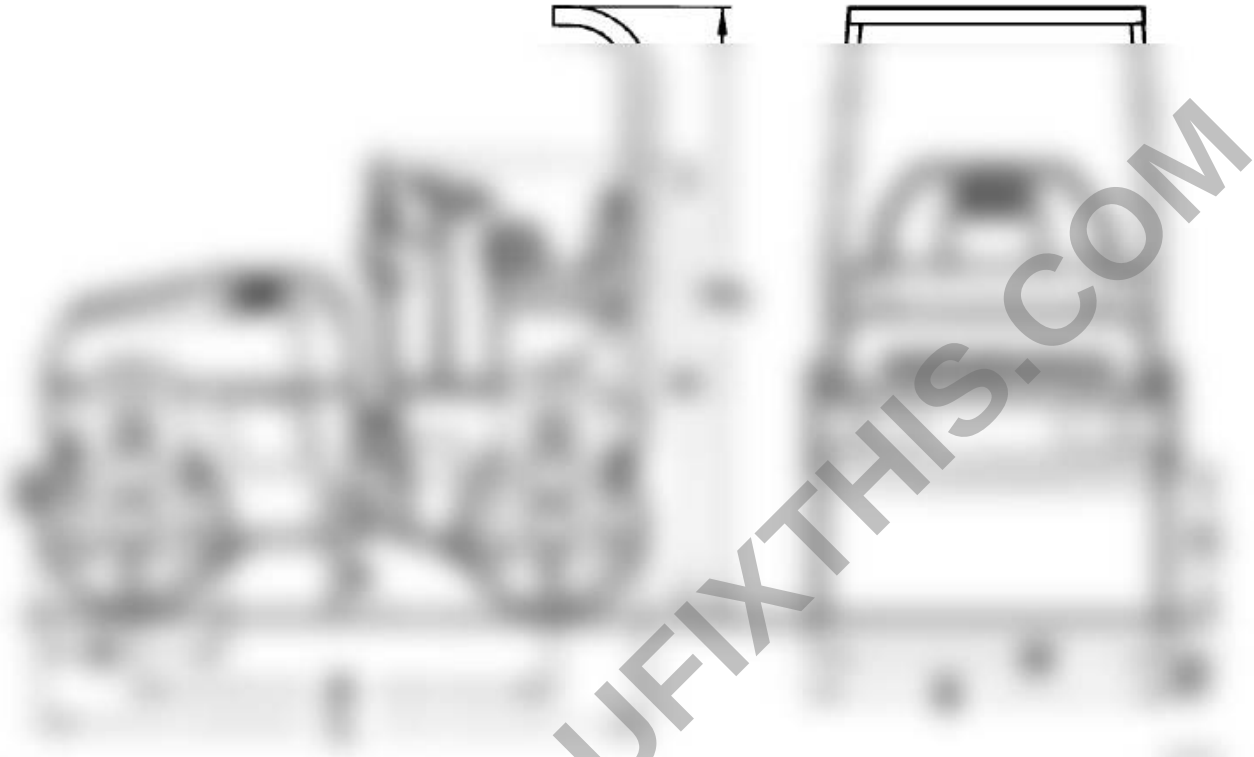


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1 Hydraulic oil temperature control light
2 Oil pressure control light
3 Oil temperature control light
4 Charge control light
5 Emergency stop push button
6 Brake control light
7 Rotary switch for pressure sprinkler system
8 Interval switch for pressure sprinkler system
9 Rotary switch for lighting (STVZO)*
10 Rotary switch for indicator light, with control light *
11 Rotary switch for hazard light system, with control light *
12 Push button for warning horn
13 Rotary switch for working light
14 Rotary switch for flashing beacon*

* Optional equipment

15 Momentary contact switch for edge cutter*
16 Seat contact control light
17 Throttle lever
18 Locking lever for throttle lever
19 Travel lever / brake
20 Push button for vibration
21 Ball valve, vibration (only AD)
22 Lever for gravity feed sprinkler system (only AD)
23 Foot switch for tire sprinkler system (only AC)
24 Ball valve, brake releasing device (only AC)
25 Fuse box B, bottom
26 Fuse box A, top
27 not used
28 Ignition switch
29 Operating hour meter, in engine compartment
30 Lever for transverse sliding seat adjustment*

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4.3 Starting the engine

⚠ Caution

In this chapter it is assumed that the operator is fully acquainted with the functions of the various control elements on the machine.

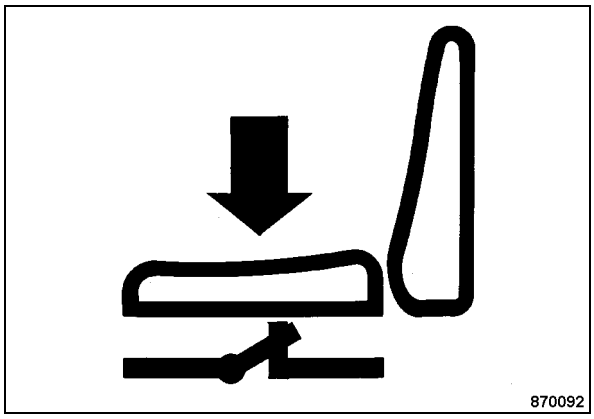


Fig. 26

- Always start the engine from the driver's seat with seat contact switch (Fig. 26).

⚠ Danger

Danger of accident!

Always wear your seat belt.

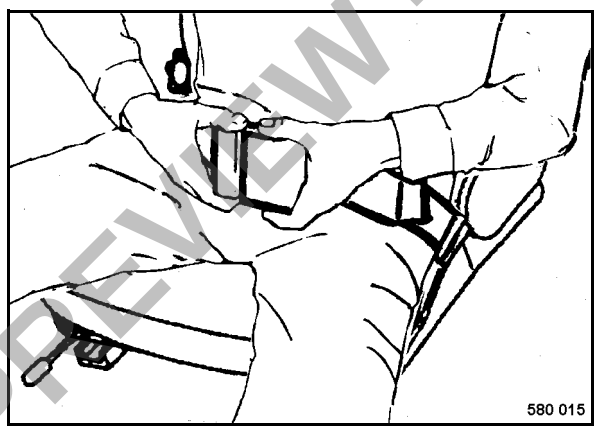


Fig. 27

- Fasten your seat belt (Fig. 27).

Fasten/release your seat belt *.

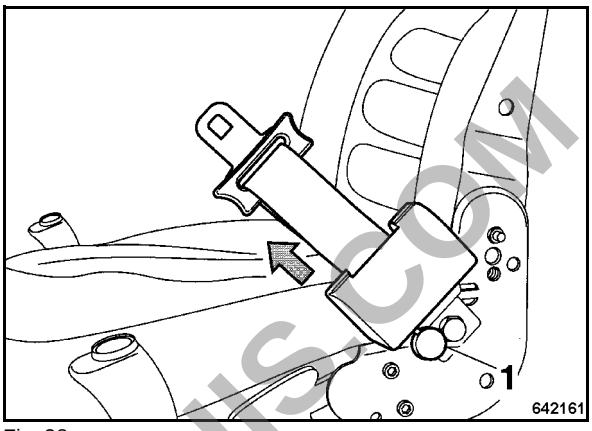


Fig. 28

Fasten

- Press the releasing button 1 (Fig. 28), pull the seat belt vertically out of the retractor unit and press the tongue into the buckle on the right hand side of the driver's seat.

Open

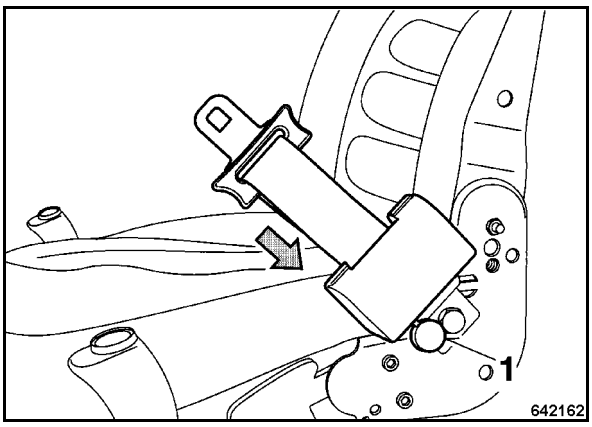


Fig. 29

- Press the release button on the buckle and pull the tongue out.
- Press the button 1 (Fig. 29) on the retractor unit until the seat belt is completely retracted.

* Optional equipment

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5.5 Maintenance chart

With all maintenance intervals perform also the work for shorter preceding service intervals.

No.	Designation	Note
Every 10 operating hours		
5.6	Check the engine oil level	Observe the dipstick marks
5.7	Checking the dry air filter	
5.8	Check the hydraulic oil level	Observe the dipstick marks
5.9	Checking the hydraulic oil filter element	
5.10	Check the fuel level	
5.11	Checking the water level in the sprinkler system	Winter: Anti-freeze mixture
Every 50 operating hours		
5.12	Checking the emulsion level	
5.13	Grease the articulated joint	High pressure grease
Every 250 operating hours		
5.14	Clean cooling fins and engine oil cooler	
5.15	Cleaning the hydraulic oil cooler	
5.16	Adjust the scrapers	
Every 500 operating hours		
5.17	Service the battery	
5.18	Drain the sludge from the fuel tank	
Every 1000 operating hours		
5.19	Changing the engine oil (at least 1x per year)**	Observe the dipstick marks
5.20	Change the engine oil filter cartridge	
5.21	Checking the valve clearance	
5.22	Check the V-belt tension	
5.23	Changing the fuel pre-filter	
5.24	Change the fuel filter cartridge	
Every 2000 operating hours		
5.25	Change the hydraulic oil*** screen filter	Observe the dipstick marks
5.26	Change the hydraulic oil filter element****	
Every 3000 operating hours		
5.27	Check the injection valves	
Every 5000 operating hours		
5.28	Replace toothed belts, timing belt and toothed belt for hydraulic pump	at the latest after 5 years

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6.2 Engine problems

Faults	Possible cause	Remedy
Engine does not start	Fuel tank empty	Fill the fuel tank
	Fuel filter clogged, in winter due to paraffin separation	Change the filter, use winter fuel
	Fuel lines leaking	Check the line connections for leaks and tighten the fittings.
	Neutral start switch on travel lever defective or no contact between switch and travel lever.	change, position correctly
	Battery not charged or not connected	Terminal clamps on battery tighten, check line connections
Poor starting of engine or engine works irregularly with poor power	Battery power to low	Have battery checked
	Battery pole clamps loose or oxidized, causing the starter to turn too slow	Clean the pole clamps, tighten and cover them with acid-free grease
	Especially during winter: use of too viscous engine oil	Use an engine oil complying with the ambient temperatures
	Fuel supply restricted, Clogging of fuels system by paraffin separation during winter	Change the engine oil filter cartridge. Check the line connections for leaks and tighten the fittings. Use winter fuel under cold conditions
	Valve clearance not as specified	Adjust the valve clearance
	Injection valves or plug-type injection pump defective	Have inspected by a specialist
	Dry air filter cartridge dirty	clean, replace if necessary
	Excessive play in throttle cable	Adjust the throttle cable, replace if necessary
Excessive exhaust smoke	Engine oil level too high	Drain the engine oil down to the top dipstick mark
	Dry air filter cartridge dirty	clean, replace if necessary
	Poor compression due to burned or broken compression rings or incorrect valve clearance	Have compression rings and pistons examined by a specialist, adjust the valve clearance
	Injection valves defective	Have inspected by a specialist

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General Notes

This BOMAG machine has been built in accordance 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 instructions and regulations must obviously also be complied with:

- 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 compaction work in earth construction (road sub-bases)
- You should only operate the unit with fully functional safety equipment.
- Have the machine inspected by an expert once every year.

Unintended use

However, dangers may arise from this machine if it is operated by untrained personnel or if it is subject of unintended use.

Do not work with vibration on hard concrete, cured bitumen layers or extremely frozen ground.

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

Who has permission to operate the machine?

Only trained and instructed persons of at least 18 years of age are permitted to drive and operate this machine. For operation of the machine the responsibilities must be clearly specified and complied with.

Persons under the influence of alcohol, medicine or drugs are not allowed to operate, service or repair the machine.

Maintenance and repair work requires specific knowledge and must therefore only be performed by trained specialists.

Conversions and changes to the machine

Unauthorized alterations to the machine are prohibited for safety reasons.

Original parts and accessories have been specially designed for this machine. We wish to make explicitly clear that we have not tested or approved any parts or accessories not supplied by us. The installation and/or use of such products may have an adverse effect on the active and/or passive driving safety. The manufacturer explicitly excludes any liability for damage caused by the use of non-original parts or accessories.

Notes on safety in the operating and maintenance instructions:

⚠ Danger

Paragraphs marked like this highlight possible dangers for persons.

⚠ Caution

Paragraphs marked like this highlight possible dangers for machines or parts of the machine.

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Please fill in

. . . . . .

Machine type (Fig. 1)

. . . . . .

Serial-number (Fig. 1 and 2)

. . . . . .

Engine type (Fig. 3)

. . . . . .

Engine number (Fig. 3)

i Note

Supplement the above data together with the commissioning protocol.

During commissioning our organisation will instruct you in the operation and maintenance of the machine.

Please observe strictly the safety regulations and all notes on risks and dangers!

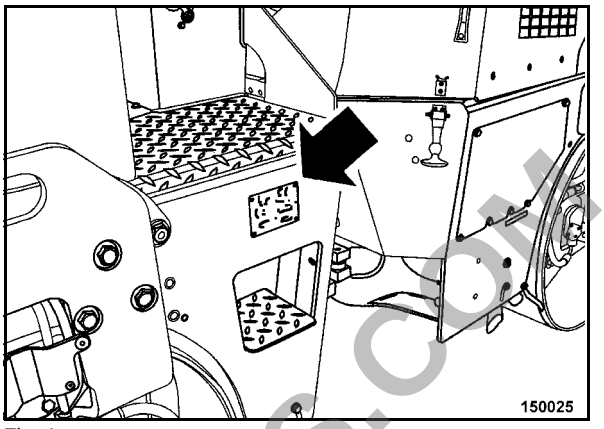


Fig. 1

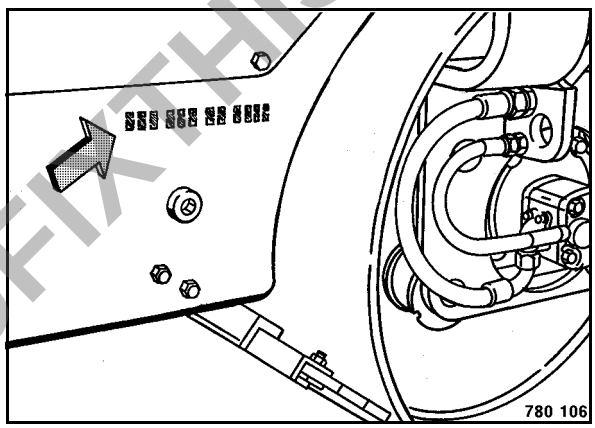


Fig. 2

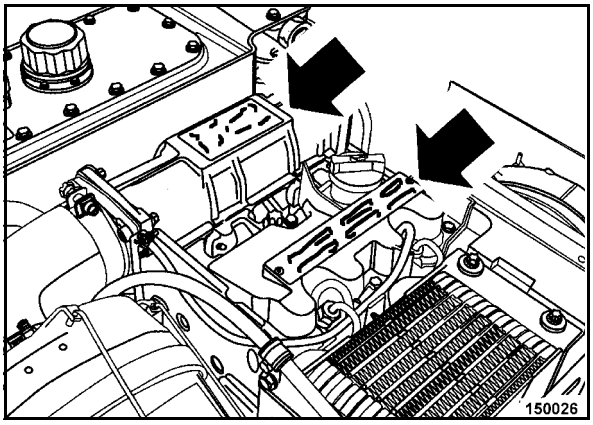


Fig. 3

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