1 Instrument cluster
2 Rotary switch for lighting (STVZO)*
3 Rotary switch for working light
4 Rotary switch for flashing beacon*
5 Rotary switch for hazard light system*
6 Rotary switch for vibration pre-selection
7 Emergency stop push button
8 Push button for warning horn
9 Rotary switch for direction indicators*
10 Rotary switch for gravity feed sprinkling system
11 Interval switch for pressure sprinkler system
12 Fuse boxes
13 Ignition switch
14 Ball valve, vibration (only AD)
15 Push button for vibration
16 Travel lever / brake
17 Throttle lever
18 Rotary switch for edge cutter
19 Water level gauge
20 Foot switch for rubber tire sprinkling system (only AC), foot switch for flow divider (only AD)

* Optional equipment

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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.

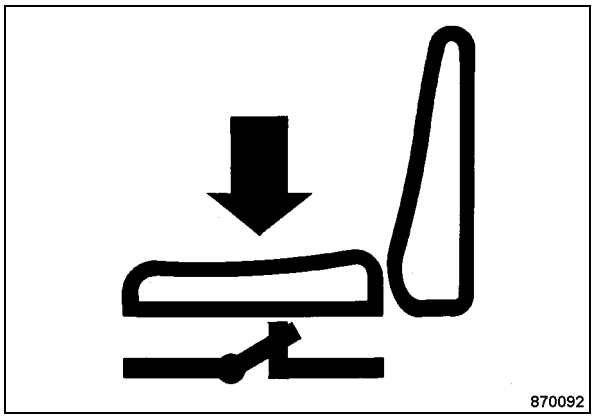


Fig. 31

- Always start the engine from the driver's seat with seat contact switch (Fig. 31).

⚠ Danger

Danger of accident!

Always wear your seat belt.

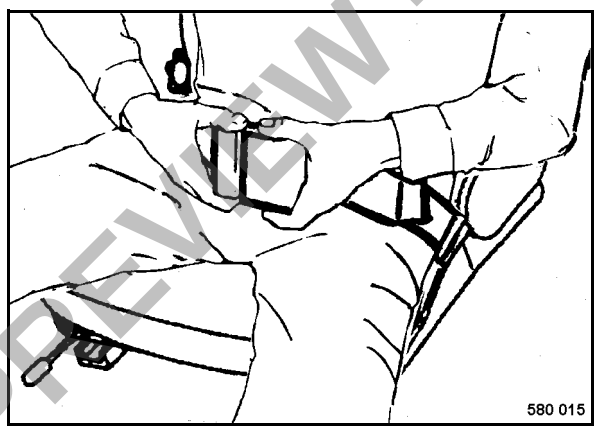


Fig. 32

- Fasten your seat belt (Fig. 32).

Fasten/release your seat belt *.

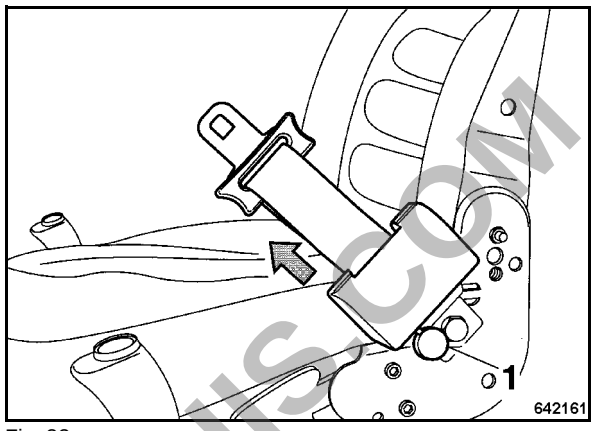


Fig. 33

Fasten

- Press the releasing button 1 (Fig. 33), 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

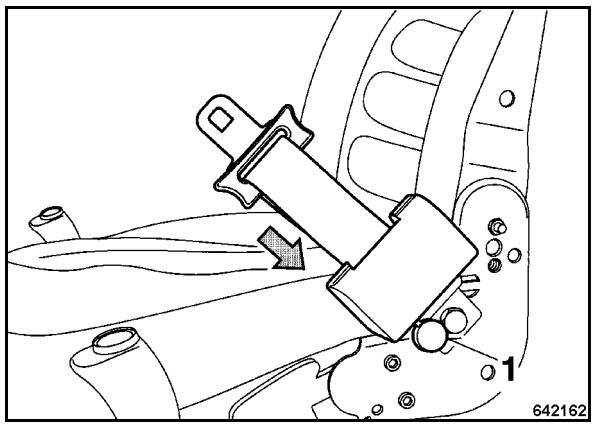


Fig. 34

- Press the release button on the buckle and pull the tongue out.
- Press the button 1 (Fig. 34) on the retractor unit until the seat belt is completely retracted.

* Optional equipment

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5.5 Maintenance chart

No.	Maintenance work	Remark	Running-in instructions after 50 operating hours	every 10 operating hours, daily	every 250 operating hours	every 500 operating hours	every 1000 operating hours	every 2000 operating hours	every 3000 operating hours	as required
5.6	Check the engine oil level	Dipstick mark		X						
5.7	Check the coolant level			X						
5.8	Check the water separator			X						
5.9	Check the fuel level			X						
5.10	Check the hydraulic oil level	Dipstick mark		X						
5.11	Checking the hydraulic oil filter element	contamination indicator		X						
5.12	Check the water level	Display gauge		X						
5.13	Checking the emulsion level	only AC-machines		X						
5.14	Check the tire pressure				X					
5.15	Cleaning radiator and hydraulic oil cooler				X					
5.16	Check, tension, replace the V-belt				X					
5.17	Checking, adjusting the scrapers				X					
5.18	Checking radiator hoses and hose clamps				X					
5.19	Changing the engine oil	at least 1x per year	X			X				
5.20	Changing the engine oil filter cartridge	with each oil change	X			X				
5.21	Service the battery	Pole grease				X				
5.22	Drain the sludge from the fuel tank					X				
5.23	Change the fuel pre-filter cartridge					X				

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6.2 Engine

Faults	Possible cause	Remedy
The engine does not start	Fuel tank empty	Fill the tank
	Fuel filter clogged,in winter due to paraffin separation	Change the filter Use winter fuel
	Fuel lines leaking	Check all line connections for leakages and tighten the fittings.
	Travel lever not in "0"-position	Move the travel lever to "0"-position
	Battery discharged or not connected	Charge the battery, check the terminal clamps
	Operating error	see chapter "Starting the engine"
	Incorrect valve clearance	Adjust the valve clearance
	Lack of oil	Top up engine oil
	Emergency stop switch is engaged.	Emergency stop switch is unlocked.
The engine starts poorly and works irregularly with poor power	Battery power too low	Have the battery inspected
	Battery clamps loose or oxidized, causing the starter to turn too slowly	Clean the terminal clamps, tighten them and cover them with acid free grease
	Especially during winter: the use of too viscous engine oil	Use engine oil suitable for the ambient temperature
	Insufficient fuel supply, clogging of the fuel system due to paraffin separation in winter	Change the fuel filter Check the line connections for leaks and tighten the fittings. Use winter fuel in the cold season.
	Incorrect valve clearance	Adjust the valve clearance
	Injection valves or injection pump defective	Have examined by a specialist
	Air filter cartridge dirty	Clean, change if necessary
	Excessive play in the throttle cable	Adjust the throttle cable, change it if necessary
Engine loses power and speed, excessive exhaust smoke	Engine oil level too high	Drain the oil to the upper dipstick mark
	Poor fuel quality	Use specified fuel
	Air filter dirty	Clean, change 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 valve defective	Have examined 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!

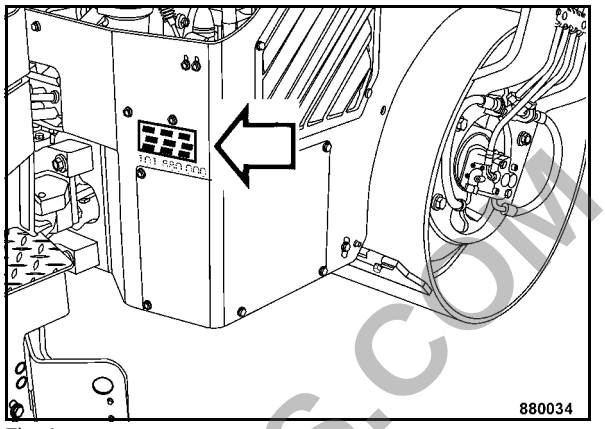


Fig. 1

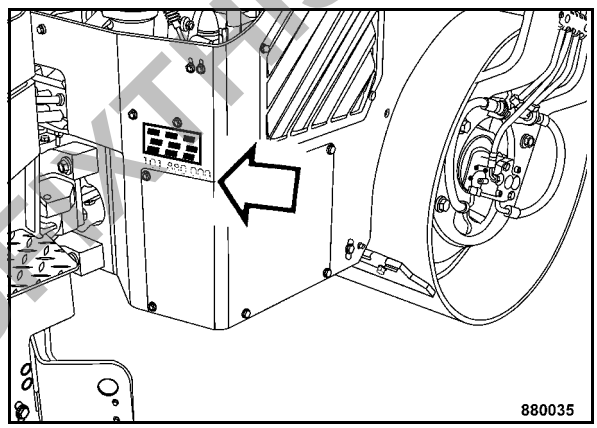


Fig. 2

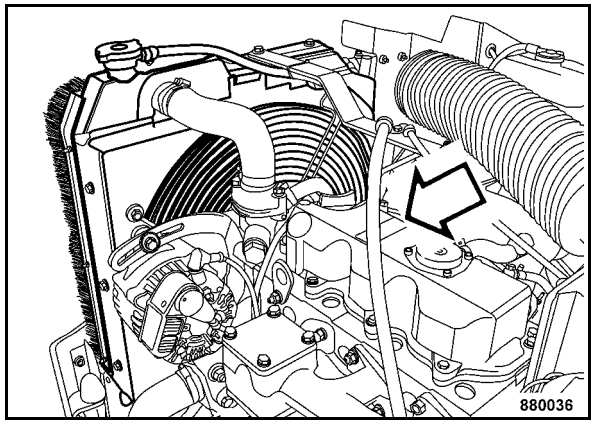


Fig. 3

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4.15 Towing

⚠ Danger

Danger of accident!

Always secure the machine against unintended rolling.

Releasing the brake (only AD-machines)

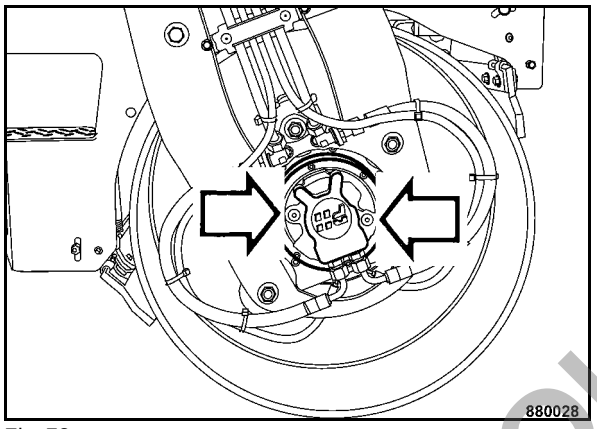


Fig. 73

- Remove two plugs (Fig. 73).

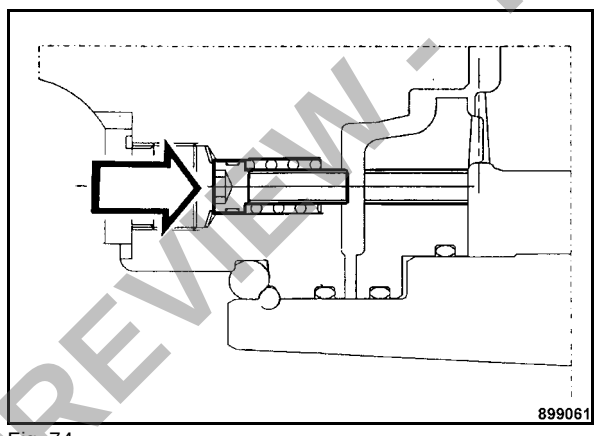


Fig. 74

- Press both screws (Fig. 74) in against springs.
- Tighten both screws alternately and in steps with 35 Nm until they bottom.

Releasing the brakes on drum and rubber wheels (only AC-machines)

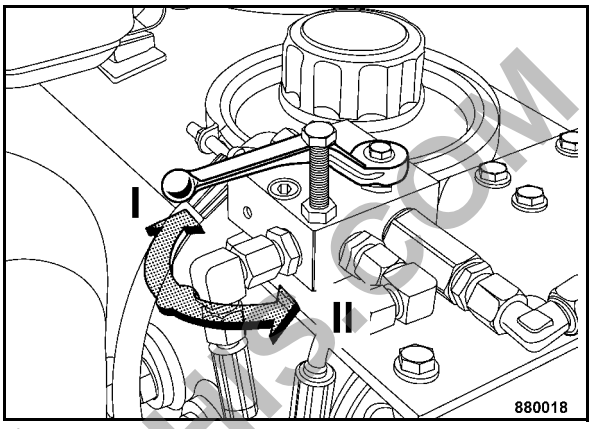


Fig. 75

- Unscrew the locking bolt (Fig. 75).
- Switch the ball valve over.

Position "II" = Brake released

- Turn the steering wheel slowly approx. two turns in clockwise direction.

Towing the machine

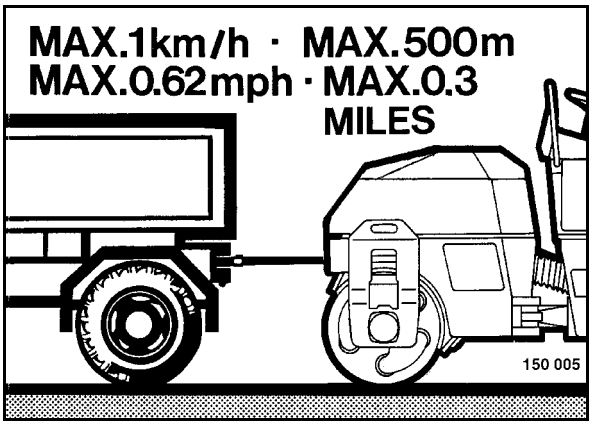


Fig. 76

⚠ Caution

Generally use the tow bar (Fig. 76), max. towing speed
1 km/h, max. towing distance 500 m.

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