2.1 Technical data BW 80 AD-5

Dimensions

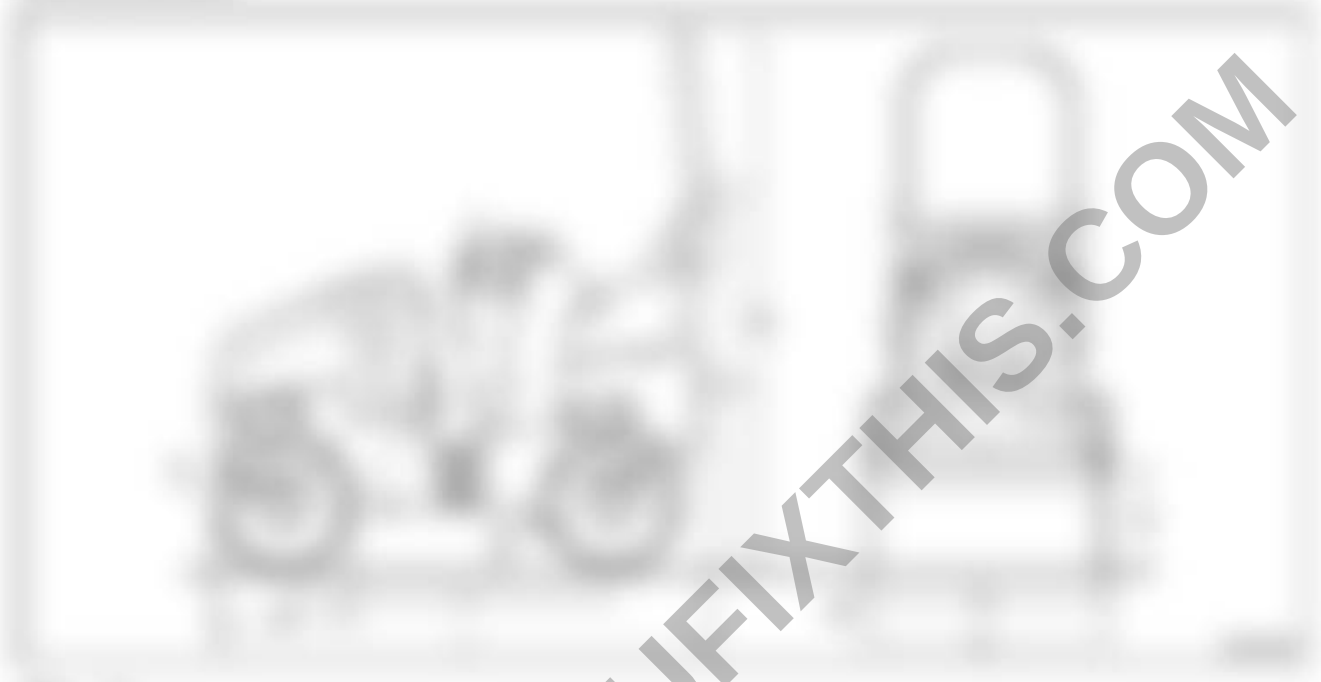


Fig. 1

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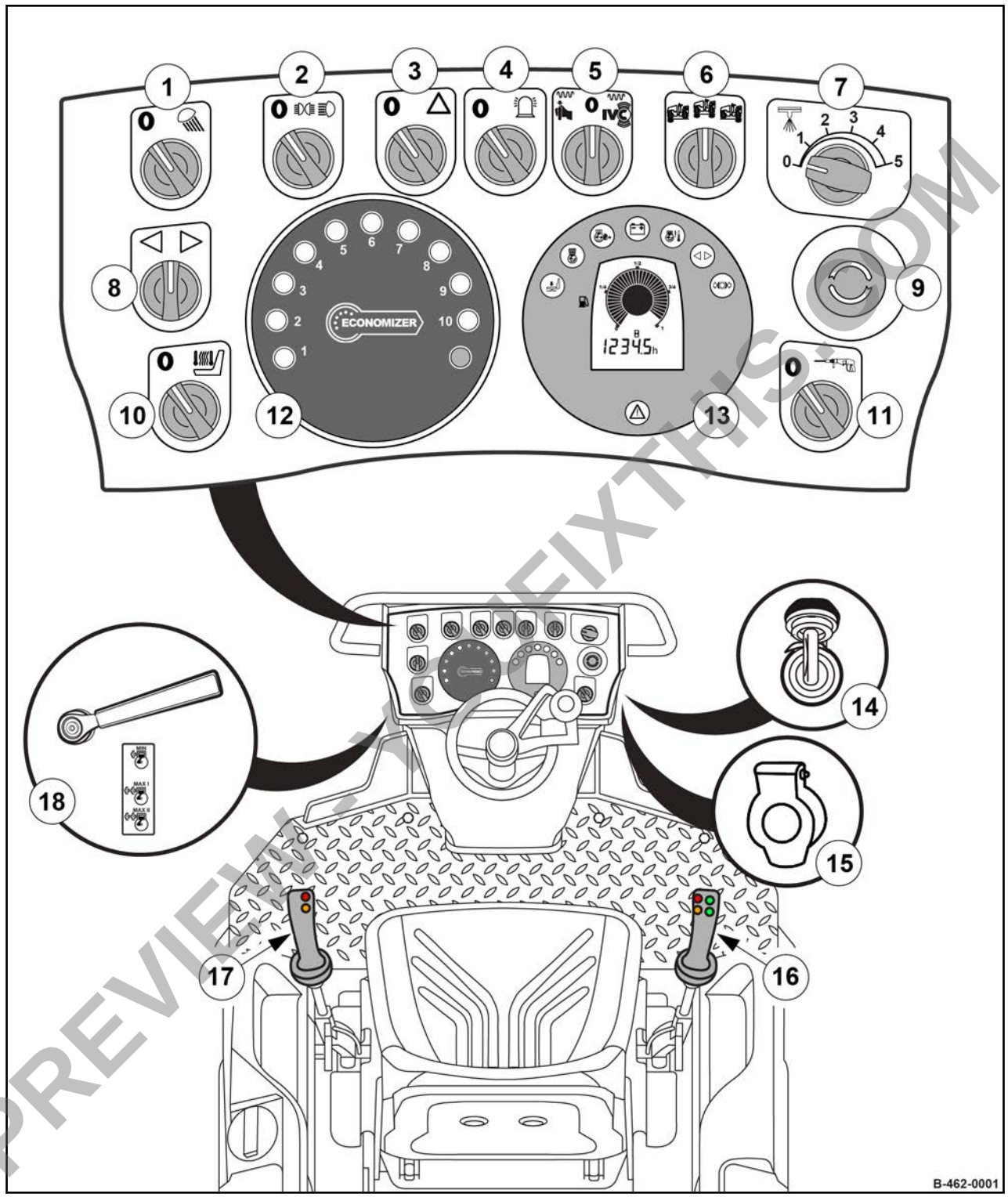


Fig. 21

1 Rotary switch for working lights
2 Rotary switch for lighting *(optional equipment)*
3 Rotary switch for hazard light system *(optional equipment)*

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5.5 Starting the engine

WARNING!
Danger of accident! Danger of injury!
Wear your personal noise protection means (ear defenders) before starting operation.

Start and operate the machine only from the driver's seat.

Prerequisites:

- Main battery switch switched on *(optional equipment)*
- Travel lever in parking brake position
- Unlock the emergency stop switch

When closing the dashboard cover the Emergency Stop switch will lock automatically and must be unlocked before starting again.

Fasten your seat belt.

Set the throttle lever to position "MIN".

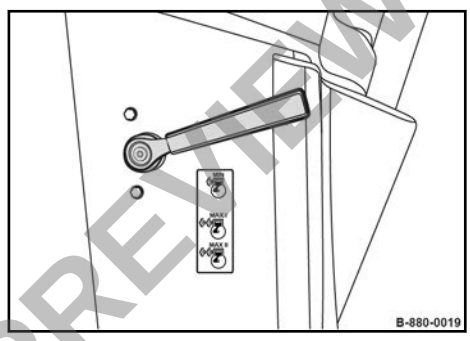


Fig. 51

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6.1 General notes on maintenance

Always comply with the appropriate safety regulations when performing maintenance work.

Thorough maintenance of the machine guarantees far longer safe functioning of the machine and prolongs the lifetime of important components. The effort needed for this work is only little compared with the problems that may arise when not observing this rule.

The terms right/left correspond with travel direction forward.

Always clean machine and engine thoroughly before starting maintenance work.

Do not touch hot engine parts.

For maintenance work stand the machine on level ground.

Always remove the main battery switch for all maintenance work.

Perform maintenance work only with the engine shut down.

Relieve hydraulic pressures before working on hydraulic lines.

Before working on electric parts of the machine disconnect the battery and cover it with insulation material.

When working in the area of the articulated joint attach the articulation lock (transport lock).

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7.3 Engine problems

Fault description	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 parking brake position	Return the travel lever to parking brake position.
	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
Engine runs irregularly with poor power	Fuel supply too low, fuel system clogged by paraffin separation (winter operation)	Change the fuel filter, check line connections for leaks and tighten fittings, us winter fuel under cold conditions.

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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.

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Water sprinkler system		
Type of sprinkling	Pressure	

Filling capacities		
Fuel (diesel)	30	l
	(7.9)	(gal us)
Water	100	l
	(26.4)	(gal us)
Emulsion	11	l
	(2.9)	(gal us)

2.7.1 Noise and vibration data

The following noise and vibration data were determined in accordance with the following guidelines under equipment specific conditions and by using harmonized standards:

- EU Machine Directive edition 2006/42/EU
- Noise Emission Directive 2000/14/EU, Noise Protection Directive 2003/10/EU
- Vibration Protection Directive 2002/44/EU

During operation these values may vary because of the prevailing operating conditions.

2.7.1.1 Noise data

Sound pressure level at the operator's stand

L_{pA} = 84 dB(A), determined acc. to ISO 11201 and EN 500.

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4.3 Instrument cluster

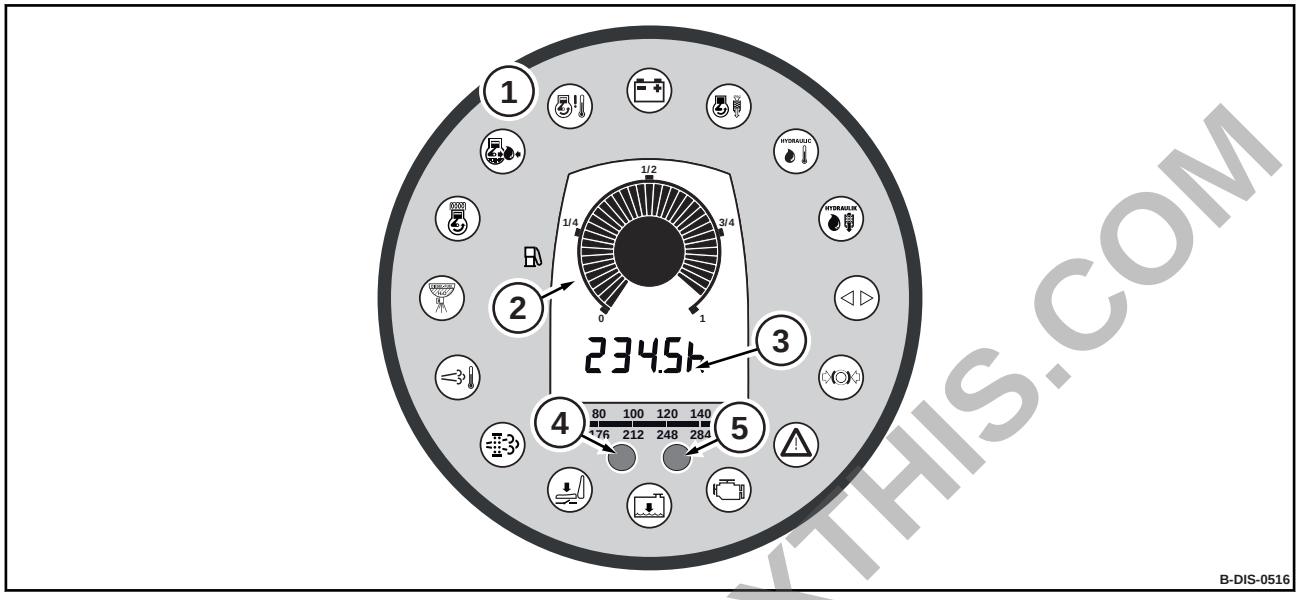


Fig. 47

1 Control and warning lights
2 Fuel level gauge
3 Display field
4 Function key *[F1] (not assigned)*
5 Function key *[F2]*

Control and warning lights

	Designation	Note
	Driver's seat warning light	Lights up when the driver's seat is not occupied. If the machine is travelling, the warning buzzer will sound and the engine is shut down after 2 seconds. If the travel lever is shifted to any travel direction, the engine is shut down. If the engine stops, occupy the driver's seat and restart the engine.
	Pre-heating control light	Lights up during pre-heating.

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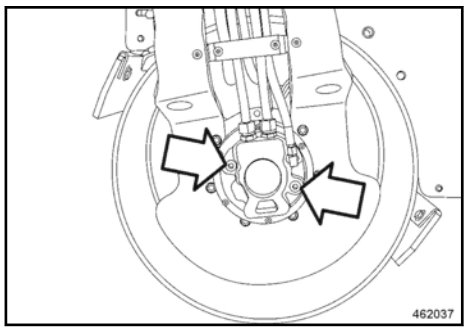


Fig. 105

Screw both plugs back in, tightening torque: 50 Nm (37 ft·lbf).

Close also the brake on the second drum.

5.18.2 Towing ACM/SCC-machines

WARNING!

Danger of accident!

Apply appropriate measures (e.g. with metal wheel chocks, to be provided by the operating company) to secure the machine against rolling away before releasing the parking brake.

Use a towing vehicle with sufficient traction and braking power for the unbraked towed load.

Use a tow bar (to be provided by the operating company).

The machine cannot be steered.

NOTICE!

Tow the machine only after having released the parking brake.

Max. towing speed 1 km/h (0.6 mph), max. towing distance 500 m (0.3 mi).

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6.8.4 Cleaning radiator and hydraulic oil cooler

WARNING!
Danger of injury!
Perform cleaning work only after the engine has cooled down and with the engine stopped.

NOTICE!
Do not damage any cooling fins on the cooler core when cleaning.

Dirt on fan blades and radiator reduce the cooling effect. Dirt deposits in these areas are substantially supported by oil and fuel on these surfaces. For this reason you should always seal any oil or fuel leaks in the vicinity of the cooling fan or the radiator and clean the cooling surfaces after.

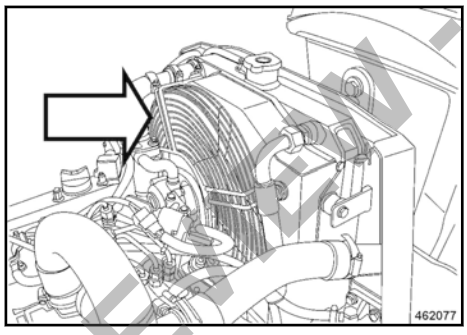


Fig. 140

Remove the fan grille ↳ Fig. 140.

Blow the radiator out with compressed air.

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