

Congratulation on your new machine

2018-04-09

BM 1500/2000/2500

You have now received your new machine from Borum, this machine has been tested in Borum to ensure reliability from day one.

To ensure the reliability, service and maintenance is very important.

In the manuals you can find the service scheme for your machine,

Parts for first 50 hours service

- Oil 9.5 litres on engine (504920) Q8 FS 10W-40 or similar
- Oil filter 1 pc. on engine (503829)
- Fuel filter 1 pc. on engine (503830)
- Oil 4 litres on compressor (510815) Q8 Schumann 68 or similar
- Oil filter cartridge 1 pc. on compressor (510774)
- Return filter 1 pc. on Hydraulic system (500522)
- Booster filter 1 pc. on Hydraulic system (508746)
- High pressure filter 1 pc. **(Only for machines with material pump drive)** (500523)
- Grease Front-wheel hub and spindle/nipple on poly-V-pulley (504768) Q8 Rubens RW or similar
- Fuel filter 1 pc. **(Only for machines with oil burner)** (500413)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

(It is important to have the first service check very early, because when starting up the circuit is cleaning it self and all the impurities can cause clogging of the filter with the risk of too low lubrication and flow)

Please remember to read the manual before using the machine.

In the service scheme you will also find the daily checks you must remember.

The next service must be done by 500 hours.

Borum Industri A/S, Højvangsvej 10,
Hadbjerg, DK-8370 Hadsten, Denmark, CVR nr. DK 19085694
Tel: + 45 87 613 213, Fax: + 45 87 613 214,
www.borum.as • e-mail: info@borum.as



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Parts for first 500 hours

- Oil 9.5 litres on engine (504920) Q8 FS 10W-40 or similar
- Oil filter 1 pc. on engine (503829)
- Fuel filter 1 pc. on engine (503830)
- Air filter 1 pc. on radiator (201991)
- Air filter cartridge 1 pc. on compressor (510577)
- High pressure filter 1 pc. (Only for machines with material pump drive) (500523)
- Grease Front-wheel hub and spindle/nipple on poly-V-pulley (504768) Q8 Rubens RW or similar
- Fuel filter 1 pc. (Only for machines with oil burner) (500413)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

The next service must be done by 1000 hours.

Parts for first 1000 hours

- Oil 9.5 litres on engine (504920) Q8 FS 10W-40 or similar
- Oil filter 1 pc. on engine (503829)
- Fuel filter 1 pc. on engine (503830)
- Air filter 1 pc. on radiator (201991)
- Oil 4 litres on compressor (510815) Q8 Schumann 68 or similar
- Oil filter cartridge 1 pc. on compressor (510774)
- Oil separator 1 pc. on compressor (510775)
- Air filter cartridge 1 pc. on compressor (510577)
- Return filter 1 pc. on Hydraulic system (500522)
- Booster filter 1 pc. on hydraulic system (508746)
- High pressure filter (Only for machines with material pump drive) (500523)
- Oil 35 litres for hydraulic system (503626) Q8 HANDEL 46 or similar
- Grease Front-wheel hub and spindle/nipple on poly-V-pulley (504768) Q8 Rubens RW or similar
- Fuel filter 1 pc. (Only for machines with oil burner) (500413)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

The next service must be done by 1500 hours.

Use same parts as for the first 500 hours service.

The next service must be done by 2000 hours / 1 year.

Use same parts as for the first 1000 hours service.

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We recommend doing the following minimum each year:

To change the Air filter for the motor

- Air filter 1 pc. for engine (503828)

Remember to check all air filters regularly (replacement schedule can vary from different work conditions)

To change oil on the ID boiler

- Heat oil (Only for machines with ID boiler) (500383) Q8 GLUCK H or similar
- Nozzle 1 pc for oil burner (only if mounted)

Size of nozzle is depending of boiler type see manual for burner

We recommend doing the following minimum every two years:

To change all belts

- Poly-V belt 1 pc. for hydrostat on engine (510780) PL 10 1765
- V-belt 2 pc. for compressor (501223) XPA1250
- V-belt 1 pc. for **150A generator** and water pump on engine (512092)

To change the valves on the compressors

- Min. pressure valve 1 pc. on compressor (504221)
- Thermostatic valve 1 pc. on compressor (504222)

We recommend doing the following minimum every four years:

- Accumulator 1 pc. on engine (500934)

To change the rubber element for engine

- Rubber element 1 pc. on engine (500809)
- Screw 6 pc. for rubber element (500589)
- Dowel pin 9 pc. for rubber element (508706)

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Clip from the manual concerning the service schedules. See the manual for more detailed information.

Service Scheme BM2000

Check before start. It is very important, that the machine is checked on a daily basis, for defects. Defects shall be corrected, not only to prevent unnecessary interruptions, but also to avoid accidents to driver or assistants.

Part	Subject	Daily check	After first 50 hour	Every 500 hour	Every 1000 hour	Every 1 year	Remarks
Engine	Check oil level in sump	X					See manual for engine
	Change oil		X	X		X	See manual for engine
	Change oil filter		X	X		X	See manual for engine
	Change fuel filter			X		X	See manual for engine
	Check air cleaner for clogging	X					See manual for engine
	Check water level in radiator	X					See manual for engine
	Check/clean radiator	X					Cleaning as required
	Check condition of the accumulator			X			
	Adjust drive belt tension (generator)		X	X			See manual for engine
	Adjust tappets clearance				X		See manual for engine
	Calibrate injectors and possible nozzles repl.				X		See manual for engine
	Check the transmission belt for the hydrostat		X				See manual for BM 250 machine
	Check/renew the coolant					X	See manual for engine
Compressor	Check oil level	X					See manual for compressor
	Change oil separator				X	X	See manual for compressor
	Change oil		X	X	X	X	See manual for compressor
	Change oil filter		X		X	X	See manual for compressor
	Check and clean air intake filter						Every 50 hour
	Change air intake filter element			X			Can depend of environment
	Check safety valve			X			See manual for compressor
	Check the V-belt			X			See manual for BM 250 machine
Hydraulic	Check level of hydraulic oil	X					See manual for BM 250 machine
	Change hydraulic oil filter		X		X		Return and booster filters
	Change hydraulic oil				X		Can depend of environment. Check oil before changing
	Grease spline on hydraulic pump (lubricating nipple on poly-V-pulley)		X	X			
General	Check lights and warning light	X					
	Refill lubricating oil on air lubricator	X					If installed
	Check the machine for fault and defects	X	X	X			
	Tighten the wheel nuts		X	X			Front wheels 110 Nm Rear wheels 200 Nm
	Adjust the front-wheel hub nut.		X	X			
	Grease the front-wheel hub and spindle		X	X			
	Check the tyre pressure	X					Rear wheel is solid. Front 4,5 bar (65 psi)
	Tighten up all bolts and nuts.		X	X			
Boiler	Check heat oil level	X					If installed. See manual for Preheater
	Check temperature controls for oil and material	X					See manual for Preheater
	Change heat oil					X	Check oil before changing
	Change fuel filter mounted on boiler		X	X			
	Check that burner operates correct	X					See manual for Preheater/burner
	Make service on burner					X	See manual for burner



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**PARTS FOR THE FIRST 50 HOURS SERVICE
IS INCLUDED IN THIS PACKAGE
(OIL AND GREASE IS NOT INCLUDED)**

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