

Bona Edge

Manual and safety instructions



**ЦИКЛЕВОЧНАЯ
КОМПАНИЯ**
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Bona[®]

rev. JUL 2016

TECHNICAL DATA



Motor type:	1-phase carbon brush motor
Voltage (+/- 10%):	115V
Frequency:	60 Hz
Power:	2,68 hP
Rated current:	15A
Recommended fuses:	20A
Isolation class:	F
Safety class:	IP54
Sanding disc speed:	Approx. 3000 rpm at normal load
Illumination:	20W halogen
Total weight standard arm:	27 lbs
Total weight XL arm:	28 lbs
Dust discharge:	<1 mg/m ³ air
Noise level according to ISO3746:	91,5 dB(A)
Sound effect level:	95 dB (A)
Handle vibration max:	4,65 m/s ²
Abrasive disc diameter:	7"
Sanding arm length standard:	5"3
Sanding arm length XL:	8"6
Sanding arm height:	2"
Hour meter	99 999 hrs



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We congratulate you on your choice of a new Bona Edge sanding machine.

Read the complete user instructions carefully before starting to use the machine. If anything is not clear, you can obtain help from your dealer or from BonaKemi.

Power: Before starting the machine check that the power on the machine sign corresponds to the power in the wall socket.

N.B. To read and understand the manual is obligatory before the machine is used.

DANGER

DANGER means: Severe bodily injury or death can occur to you or other personnel if the **DANGER** STATEMENTS FOUND ON THIS MACHINE OR IN THIS Owner's Manual are ignored or are not adhered to. Read this entire manual before operating this machine.

WARNING

WARNING means: Injury can occur to you or to other personnel if the **WARNING** statements found on your machine or in this Owner's Manual are ignored or are not adhered to. Damage to the machine or to other property may occur as well, if the **WARNING** is ignored.

DANGER

A mixture of dust and air can under unfortunate circumstances be explosive. Sanding/finishing wood floors can create an environment that can be explosive. The following safety procedures **must** be adhered to.

Cigarette lighters, pilot lights, and any other sources of ignition can create an explosion when active during a sanding session. All sources of ignition should be extinguished or removed entirely, if possible, from the work area.

Work areas that are poorly ventilated can create an explosive environment when certain combustible materials are in the atmosphere; i.e. solvents, thinners, alcohol, fuels, certain finishes, wood dust and other combustible materials. Floor sanding machines can cause flammable material and vapours to burn. Read the manufacturer's label on all chemicals being used to determine combustibility. Keep the work area well ventilated.

Remove the contents of the dust bag when the bag is 1/3 full. After terminated sanding the dust bag must be emptied and the contents must be kept on a safe place outdoors due to fire risk. Never leave a dust bag unattended with sanding dust in it. Never empty the contents in an open fire.

Hitting a nail while sanding can cause sparks and create an explosion or fire. Always use a hammer to punch down any metal pieces before sanding floors.

Operating a machine that is not completely or fully assembled could result in injury or property damage. Do not operate these machines until they are completely assembled. Keep all fasteners tight. Keep adjustments according to machine specifications.

Electrocution could occur if the machine is used on an underground electrical circuit. **Never remove or disable the grounding supply conductor on the electrical cord. Consult an electrician if the grounding conductor is missing or if you suspect your circuit is not grounded properly.**

Electrocution could occur if the machine is used on a power circuit that repeatedly trips or is undersized. Have a licensed electrician check the fuse, breaker, or power supply.

Injury to the operator or bystanders could occur if the machine's power is on while performing maintenance. Always unplug the machine from all electricity.



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Electrocution or injury could occur if the power cord is run over and damaged by the sander. Keep the cord from contact with the sanding drum and pulleys. Always lift the cord over the machine and sand away from the cord.

Always use an earth leakage circuit breaker which disconnects the power immediately in the event of a fault in the electrical system or an extension cable.

To avoid unintentional starting of the machine the main cable should be removed from the wall socket when the machine is not being used and when it is being serviced.

Using a machine with damaged cable can give electrical shocks. Don't pull the machine with the cable. Moving parts on this machine can cause serious injury and/or damage. Keep hands, feet, and loose clothing away from all moving parts of the sander.

Operating an edger without all guards, doors, or covers in place can cause injury or damage. Injury to the operator or bystanders could occur if the machine's power is on while performing maintenance, changing sanding paper or changing the dust bag.



Dust from sanding (i.e. lead paint, certain wood species and metals) is unhealthy face mask min. class P2 must be used.

Injury to the eyes and/or body can occur if protective clothing and/or equipment is not worn while sanding. Always wear safety goggles, protective clothing, ear protection, and a dust mask while sanding.

Bodily injury could occur if power is applied to the machine with the power switch already in the "ON" position. Always check to assure the power switch is "OFF" before connecting the machine to its power source.

Take precautions to ensure that the machine is not damaged during transport.

Be careful with cables. Use the right cable of the right length (see accessory list). Never carry the machine by holding its cable. Never sharply tug cables out from the machine or from wall outlets. Protect cables from heat, oil and sharp edges.

Unplug the machine when not in use. Make sure the machine is not started unintentionally. Never carry a connected machine with a hand on the power switch. Make sure that the power switch is not on when the machine is connected to an outlet. Never use the machine is connected to an outlet. Never use the machine if the power switch does not function, as it should.

Remove service tools before start. Check that no tools are on the machine during start or during operation.

Check the machine regularly. If any damaged parts are detected, replace them at once. If necessary contact the manufacturer or an authorized distributor or service company. Note! Use of spare parts and other accessories than those recommended can cause a risk of personal injury and/or damage to the machine.

Keep the machine in good condition. Keep the machine clean for better and safer use. Follow instructions regarding replacement of accessories. Check cables regularly. In case of damage, repair or replace defective parts.

When the machine is not in use, store it in a dry and, preferably locked space.

Always use correct original dust bag to Bona's edger. Check that the dust bag is correct assembled and is tightened around the dust tube.

Don't forget to attach an abrasive paper on the sanding disc before starting the machine. By turning the sanding disc with the hand you can check if the sanding disc with the hand you can check if the sanding disc is moving feely without restriction. Keep the handles clean and free from grease.

Keep unauthorized persons away from the work place. Do not allow unapproved persons to come in contact with the machine or cables.

Don't abuse the machine. The machine works better when it is used within its capacity and design. Let the motor "rest" periodically with a lower load. The motor will cool down and thus have a longer life. Use fuses with correct amperage in relation to the motor.

Use the right machine. Don't let a smaller machine or accessories do a bigger machine's work. Never use a machine for other than what it was designed to do.

Service and repair of unauthorized persons may cause damages or accidents. Maintenance and repair made by unauthorized persons may cause that the warranty is not valid. Service and repair shall be done by Bona Kemi or by one of Bona's authorized distributors.

Pay attention while working. Use common sense. Don't run the machine if you are tired if you have been drinking alcohol or taken drugs which can affect your judgment or control of your body. Due to a potential fire risk form sanding dust do not smoke whilst sanding.



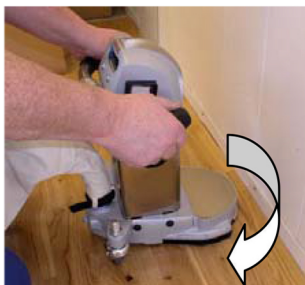
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Machine use:

The machine is intended for the edge sanding of wooden floors, parquet floors as well as cork floors. It may be used on newly laid and untreated floors and existing floors that have been treated with lacquer or oil.

The main function of the machine is to serve as a complement to a belt or a drum sander for sanding edges.

The machine is designed in accordance with latest information regarding ergonomics, safety and efficiency. The machine has been thoroughly checked and approved before leaving the factory.

**Working method**

When sanding hold the machine, use both handles and move the machine in circles in the direction of rotation over the surface which is to be sanded. It is important that the machine rests on three points, both the wheels and the sanding disc. The best result is obtained by letting the machine work with its own weight. When using fine abrasives you must be careful not to make any burn marks due to high friction created.

In addition to the points noted the sanding must be adapted to the type, patten and composition of the floor.

Assembly and replacing the dust bag

Starting position

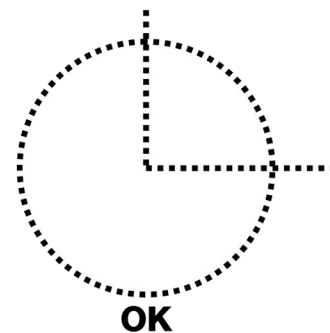


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Wheel adjustment



The distance between the underside of the motor bracket and the floor should be approx. 83 mm on the left side and 75 mm on the right for standard arm.



Footprint should be as above to get the best result.

Note! If the whole disc is flat and in full contact with the floor it will create excessive resistance in the motor, leave circular scratch marks, and the machine will be hard to handle.

Handle adjustment

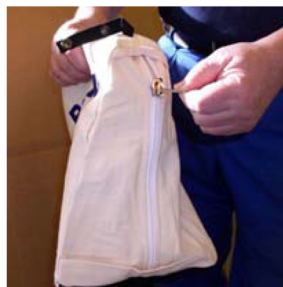


The angle of the handles can be adjusted for a more comfortable working position. Use Torx wrench T30.

Dust collection



For minimal dust discharge Bona Kemi's original dust bags shall always be used. The dust bag must be emptied when it is filled to max 1/3.



When emptying the dust bag, remove the dust tube, together with the dust bag, completely, open the zipper and empty the contents.



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Changing sanding material

N.B. Changing sanding material must be made on an unconnected machine!

Never start the machine before a sanding disc is attached.



Lay the edge sander carefully on its left side. Regularly check the sanding disc. If the sanding disc is worn out or has become clogged by lacquer or paint, the sanding result deteriorates and the surface of wood may become discolored.

Always use Bona's sanding discs of the correct size and stable rear side. Only abrasive paper suitable for sanding of wooden floors should be used.

Check that the sanding disc is centred.

Changing sanding disc with hole



Removing sanding disc with hole. Use box spanner NV17.

Changing velcro disc



If the velcro disc is worn, scrape the disc off with a knife.



Clean the steel disc with meths or similar.
Glue a new Velcro disc on the steel plate.



Check that the disc is positioned. A disc that is not centered may cause unbalances and vibrations.

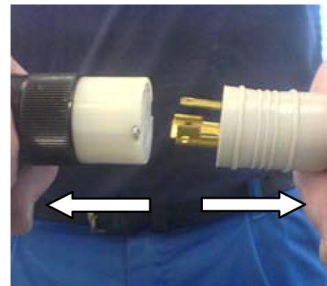


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SERVICE AND MAINTENANCE

All maintenance must be done on unconnected machine!!

Remove the cable from the wall outlet. Check the cable and the contacts regularly. Always replace a defective cable (scores, gashes or cable connections) to a new original cable with an area of 12/3 (115V).



Changing the cogged belt



Undo the 2 belt cover screws.



Loosen the 4 bolts in the motor bracket.



Remove the pulley screw.



Gently tap with a centre punch to loosen the pulley.



Remove the sanding arm



Remove screw and washer as well as the stop screw keeping the ventilator and the cover plate on motor shaft.



Remove the pulley/ventilator together with the V-belt and cover plate.



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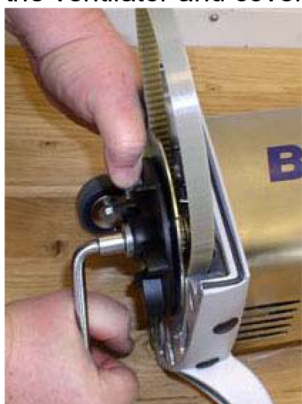
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Mount a new belt together with the ventilator and cover plate.



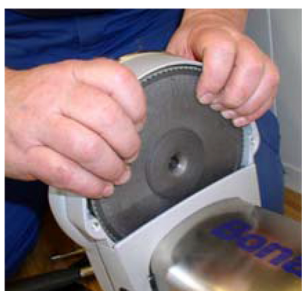
Make sure that the cover plate is fitted right in its position.



Tighten the screw and washer as well as the stop screw



Place the pulley in its right position.



Remount the sanding arm.



Replace the four screws.
N.B. Do not tighten the screws!



Place a screwdriver in the hole and press forward to tighten the belt.



Tighten the four screws while holding the sanding arm in its position.



Remount the Velcro disc, pulley screw and the nut for the Velcro disc.



N.B. Tighten the pulley screw very hard!!



Remount the belt cover.

Replacing the brushes



Regularly check the carbon brushes. The brushes were out more quickly at higher loads. And should be changed in pairs after approx. 100 hours normal operating time. Open the brush cover with i.e. a coin



Remove the brush cover.



Replace the brush and put the covers back on.



The brushes stops automatically and can not be worn out below the marking.



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Hour meter



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Changing the halogen lamp.



Changing the Wheels



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Trouble shooting

Problem	Cause/Fault	Action
The machine doesn't start	No power Broken cable. Rotation of the disc is impossible	<i>Change to another wall socket. Change the cable. Rotate the sanding disc, remove possible blockages. Check that the ventilator runs smoothly.</i>
The sanding disc doesn't rotate.	The cogged belt is broken/worn out.	<i>Change cogged belt and if necessary change the pulley.</i>
The machine is faltering.	The carbon brushes are worn out. The carbon brackets are broken. The carbon brushes are binding	<i>Change the carbon brushes. Change the carbon brushes. Clean the carbon brush channel or change the carbon brackets.</i>
The machine is heavily vibrating	Off centre sanding disc Damaged ventilator.	<i>Centre the sanding disc. Change the ventilator</i>
Uneven sanding.	Badly adjusted wheels. Unevenly worn wheels The wheels are binding. The sanding disc is loose. Binding sanding disc. The steel disc is faltering.	<i>Adjust the wheels. Change the wheels. Clean or change the wheels. Fix or adjust the disc Change the Velcro disc or change the screw Change the steel plate.</i>
The lamp is not working	The lamp is damaged	<i>Change the lamp.</i>

LIMITED WARRANTY

This Bona product is warranted to be free from defects in materials and workmanship under normal use and service for a period of two years from date of purchase when operated in accordance with the instructions included.

This warranty is extended only to the original purchaser for use of this product. It does not cover normal wear and parts such as dust collector bag, electronic components, electrical cords, brushes or rubber parts.

If a problem occurs with this product, you should contact your nearest Bona Distributor, or the BonaKemi USA, Inc. office for the authorized repair location closest to you. All freight costs in shipping the machine to the repair location are to be paid by the purchaser.

BonaKemi USA, Inc.'s liability under this warranty is limited to repair of the product and/or replacement of parts and is given to the purchaser in lieu of all other remedies, including incidental and consequential damages.

US Contact:

**Bona Service Center
2550 South Parker Rd
Aurora, CO 80014
800.872.5515**

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**BonaKemi AB, division Sanding**

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EC declaration of conformity

According to Directive 98/37/EC, Annex IIA

This to declare that the floor sanding machine Bona Belt with article number:

- AMO230009.1
- AMO230009.2
- AMO230009.3
- AMO230010.3
- AMO230011.3
- AMO230018.3
- AMO230019.3
- AMO230022.3 starting of with serial number 0807AMO230147

Follows the provisions of Council Directive:

- 98/37/EG relating to machinery.
- 2006/95/EG, relating to electrical equipment designed for use within certain voltage limits.
- 2004/108/EG, relating to electromagnetic compatibility including valid amendments.

The following standards have been used for guidance when the machines were designed:

- SS-ISO 2768-1
- SS-ISO 1940-1
- SS-EN ISO 13920
- SS-EN ISO 14121-1
- SS-EN ISO 12100 -1, -2
- SS-EN 294
- SS-EN 60204-1
- SS EN 55014 -1, -2
- SS-EN 61000-3-2
- SS-EN 61000-6-2
- SS-EN ISO 8062-1, -3

SMP
 The Swedish Machinery Institute
 Fyrisborgsgatan 3
 SE-754 50 Uppsala
 Sweden

has carried out voluntary certification, certificate No: SEC/97/460.

Fjugesta, 18 March 2008

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Göran Palm

Production manager



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**SS-EN
ISO 9001**



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