

# Bona® Belt HD™

## Operating Manual



## ATTENTION:

This manual contains important information on the safe use and operation of this machine. Failure to read this manual before operating, adjusting or servicing this machine could cause injury or damage to persons or objects.

Anybody operating the machine should understand how to use and operate it before starting it up. Keep this manual for future reference.

This manual is an ENGLISH translation of the original version in Italian.

# ***Bona***®

For a new manual contact:  
**Bona US**

2550 S. Parker Rd.  
Suite 600  
Aurora, CO 80014-1622

Tel +1 303.371.1411  
+1 800.872.5515  
Fax +1 303.923.1461  
[www.bona.com](http://www.bona.com)



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# Machine Symbol Key

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Read the instructions contained in this user and maintenance manual before using the machine.



Hearing protection during use is recommended.



Protection of the airways during use is recommended.



Hazard due to electricity.



Hazard due to moving parts.

## Operator Safety

**DANGER**

**DANGER** means: Severe bodily injury or death can occur to you or other personnel if the 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 this 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.

**NOTE:** The reading and understanding of the Owner's Manual is imperative prior to operating this machine. If you or your operator(s) cannot read English, have this manual explained fully before attempting to operate this machine. Children should be supervised to ensure that they do not play with the appliance. This machine is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge.

**DANGER**

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 vapors to ignite. Read the manufacturer's label on all chemicals being used to determine combustibility. Keep the work area well ventilated.
- Hitting a nail while sanding can cause sparks and create an explosion or fire. Always use a hammer and punch to countersink all nails before sanding floors.

## Operator Safety (Con't.)

### **DANGER**

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.

Electrocution could occur if maintenance and repairs are performed on a unit that is not properly disconnected from the power source. Disconnect the machine from all power.

Electrocution could occur if the machine is used on an ungrounded 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.

Use of this machine with a damaged power cord or plug could result in an electric shock. **DO NOT** pull or carry by cord, use power cord as a handle, close a door on cord, or pull cord around sharp edges or corners.

**DO NOT** unplug by pulling on cord. To unplug, grasp the plug, not the power cord. **DO NOT** handle plug or operate machine with wet hands. **DO NOT** put any objects into motor openings.

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

Moving parts on this machine can cause serious injury and or damage. Keep hands, feet, hair, and loose clothing away from all moving parts of the unit.

Operating a vacuum without all guards, doors, or covers in place can cause an injury or damage.

**DO NOT** pick up any objects that are hot, burning or smoking, such as cigarettes, matches or cinders.

Injury to the operator or bystanders could occur if the machine is plugged in while performing maintenance, servicing, changing filter, or inspecting. Always unplug machine when not in use.

**DO NOT** use solvents or other flammable products to clean this machine.

Dry use only. **DO NOT** use for liquid recovery, which could result in motor failure, electric shock, and electrocution.

### **WARNING**

Airborne sanding dust should not be breathed in while operating a sander. Always wear an approved particulate respirator while operating sanding equipment.

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, hearing protection, and a dust mask while sanding.

## WARNING

Exposure to high noise levels can cause hearing loss or impairment. Wear OSHA-approved hearing protection (earmuffs) when using this equipment.

Bodily injury could occur if power is supplied 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.

*DO NOT* use this machine as a step or furniture. *DO NOT* ride on this machine.

Check filters. Clogged filters may lead to overheating and subsequent electrical problems which may lead to machine failure or electrical shock.

*DO NOT* put any objects into openings. *DO NOT* use with blocked openings. Keep free from dust, lint, hair or anything that may reduce airflow.

## KEEP AWAY FROM CHILDREN

## DANGER

Failure to read the Bona® BELT HD™ machine manual before operating, adjusting or performing maintenance operations on the machine could cause injury or damage to persons or objects.

Anyone operating the machine should understand how to use and operate it before starting it up.

## Storage

It is advisable to store the machine in its original packaging. Doing so makes it possible to form a column of two packages maximum, with one on top of the other.

If the machine is removed from the original packaging and is not used for some time ensure the wheels and drum are not in contact with the ground. In this case use two supports at least 50mm (2.00") in height to rest the machine on, ensuring contact is with the base frame.

## WARNING

This equipment is for dry use only and must not be used or kept outside in wet conditions. Store the machine in a dry building, otherwise the machine could be damaged. Storage temperature from -4°F to 122°F.

## Transporting and Handling

With one person

### WARNING

The machine is heavy therefore remove the motor and handle unit before it is transported.  
*Ask for assistance* to transport the three parts.

The machine can be dismantled into three parts to facilitate transportation:



Motor



Suction tube/handle unit



Base frame with drum

Transporting the machine by yourself? Proceed as follows:

- 1) Ensure the power supply cable is disconnected from the mains and the machine.
- 2) Open the belt guard after turning the knob counter-clockwise.





## Transporting and Handling (Con't.)

Bona® Belt HD™ Manual

With one person (con't.)

- 3) Loosen the belt tightener using the lever (A) and remove the belts.



- 4) Loosen the knob (A) until the hollow washers positioned on the motor support shaft slip out of their support housing.



- 5) Remove the motor and take it to the work area.



- 6) After lowering the lever (A), lift the casing (B) and release the bar (C) from the cylinder (D).



## Transporting and Handling (Con't.)

### With one person (con't.)

- 7) Loosen the handle (A) and remove the tube (B) from its housing and take it to the work area.



- 8) Lift the base frame by clasping the front and back. Bring the belt guard to the edge and take it to the work area.



### With two people

Transporting the machine with two people? Proceed as follows:

- 1) One operator should clasp the handle grip...



- 2) ...The second, holding the lift handle, will lift the machine.



## Transporting and Handling (Con't.)

Bona® Belt HD™ Manual

With two people (con't.)

### **WARNING**

This equipment is not to be used by anyone (children included) with physical or mental disabilities, or anyone without the relevant experience and knowledge, unless they have received instructions on using the equipment and are supervised by a responsible person to ensure their safety.

Children must be supervised to ensure that they **DO NOT** play with the machine.

## Introduction

Safe and correct use

This instruction manual should be read carefully before using the Bona® BELT HD™ wood flooring sander for the first time.

The instruction manual contains important information on safety and preventing improper use of the machine and will resolve any doubts or questions, making it possible to operate the machine safely and with ease. Removing safety features could cause death or physical injury. Familiarize yourself with the machine before using it for the first time.

.....  
If a situation arises which has not been described in this manual, contact your distributor or Bona® Representative.  
.....

The Bona® BELT HD™ wood flooring sander is suitable for the dry sanding of wood floors. Any other use without the consent of the manufacturer is prohibited. **DO NOT** use on wet floors.

See 'Machine Warnings' on page 19.

Keep hands and clothing away from moving mechanical parts.

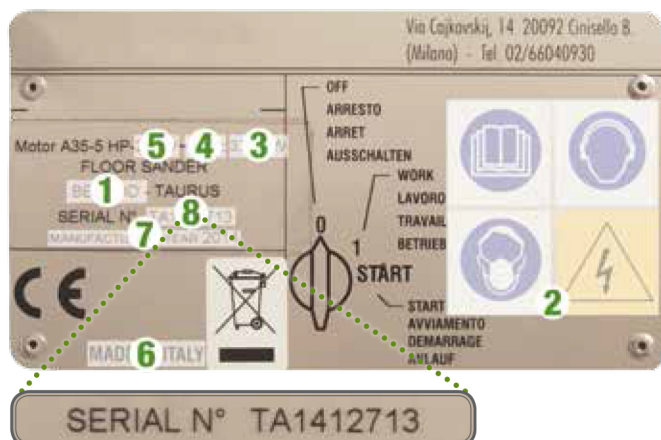
The work area is protected via the base frame and the mobile cover on the abrasive drum.



## Introduction (Con't.)

### Machine data plate

The following information can be found on the machine data plate:



- 1) Machine model
- 2) Safety symbols
- 3) Motor power
- 4) Frequency
- 5) Supply voltage
- 6) Country of manufacture
- 7) Year of manufacture (see 8)

8) Serial number:

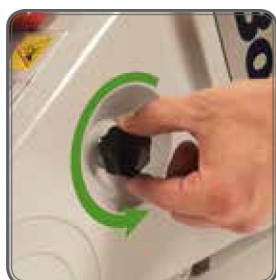
- The first two numbers refer to the year of manufacture (14 = 2014)
- The second group of three numbers indicates the day of the year the machine was manufactured (127 = May 7<sup>th</sup>)
- The last two numbers indicate the progressive number of machines produced that day of manufacture (13 = 13<sup>th</sup> machine produced that day)

## Commencing Operation

### Instructions for assembly following transportation

To re-assemble the machine after transportation, proceed as follows:

1) Open the belt guard after turning the knob counter-clockwise.



2) Position the motor in its housing.



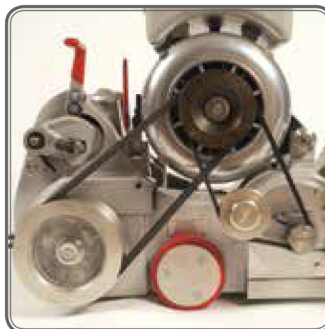
## Commencing Operation (Con't.)

Bona® Belt HD™ Manual

### Instructions for assembly following transportation (con't.)

3) Secure the motor by tightening the knob (A).

4) Fit and stretch the belts.



5) Close the belt guard and tighten the knob.

6) Pull the belt tightener (A) as shown.



### WARNING

Excessive belt tension may cause the premature failure of the ball bearings.

The drum belt must have a 10.5mm (0.41") stretch with a center load of  $30 \pm 3N$ .

Belt tension can be adjusted using the screw.

The vacuum cleaner belt must have a 8mm (0.25") stretch with a center load of  $18 \pm 2N$ .

The belt tension can be adjusted using the belt tightener.

### DANGER

Using the machine when not fully assembled may cause injury or damage to people or objects. **DO NOT** use the machine when it is not fully assembled. Keep all fittings tightly closed. Maintain machine settings in accordance with the specifications.

## Commencing Operation (Con't.)

### Instructions for assembly following transportation (con't.)

7) Fit the suction pipe (A) and drum control rod (B).



8) Lift the drum with the lever (A).



9) Connect the power supply cable to the machine and power supply.



### Instructions for electrical connection

#### **WARNING**

This machine only operates with the voltage and frequency shown on the machine data plate. Before connecting the cable to the power supply ensure the correct voltage and frequency are available.

*DO NOT* expose the machine to rain. This machine is intended for dry use only. Keep the machine in a dry building and *DO NOT* use it in damp or wet places.

## Commencing Operation (Con't.)

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### Instructions for electrical connection (con't.)

#### WARNING

If the machine is not connected correctly to the electricity network, death due to electrocution may occur. To prevent electric shocks always use grounded a three wire electrical system. For maximum protection against electric shocks use a circuit protected with a differential cut-out switch.

Tampering with the grounding plug in any way may result in death from electrocution. **DO NOT** cut, remove or break the grounding plug. If the socket does not match the plug consult a qualified electrician.

#### DANGER

If the machine is used with a damaged plug or power supply cable, death may occur from electrocution. If cables or plugs are worn or damaged in any way, have them replaced by the manufacturer or certified machine repair center in order to prevent risks to safety.

### Cables, extensions and plugs

Only use approved cables. The maximum recommended cable length is 50ft (15.5m); for greater lengths use the Power Station.

#### WARNING

Using the machine with unsuitable and/or excessively long cables may cause injury or damage to people or objects.

The machine must never be moved using its cable and the cable must never be pulled when disconnecting from the socket.

Keep the cable away from sources of heat, oil and sharp edges.

### MACHINE WITH 220V~60Hz SINGLE PHASE MOTOR

For machines with a 220V~60Hz single phase motor use a HAR-approved SWO 10/3 yellow power supply cable and TWIST LOCK 30A 250V plug.

## Commencing Operation (Con't.)

### Removing sawdust generated during use

#### **DANGER**

Sawdust can ignite spontaneously and cause injury or damage. Empty the contents of the dust bag when it is 1/3 full. Empty the dust bag at the end of each machine use. Never leave the dust bag unattended when it contains sawdust. **DO NOT** empty the contents of the dust bag above a fire.



## Prevention Measures for Users

### Personal safety measures

#### **WARNING**

Sawdust can spread through the air and be inhaled when using the sander. Always wear a dust mask when using the sanding equipment.

The eyes and/or body may suffer injury if personal safety clothing is not used. Always wear safety goggles, protective clothing and a dust mask during sanding operations.

Lengthy exposure to noise levels during sanding operations may damage the hearing. Always use ear protectors during sanding operations.

Never become distracted during sanding operations, check what is happening continually. Use common sense. **DO NOT** use the machine when tired.

### Compliance with safety measures and warnings

#### **DANGER**

Using the machine when not fully assembled may cause injury or damage to people or objects. **DO NOT** use the machine when it is not fully assembled. Keep all fittings tightly closed. Maintain machine settings in accordance with the specifications.



## Prevention Measures for Users (Con't.)

Bona® Belt HD™ Manual

### Compliance with safety measures and warnings (con't.)

#### **DANGER**

Using the sander without the safety guards and covers in position may cause injury or damage. Always ensure that all safety guards and covers are in position and secured well.

The wood flooring sander may create an explosive environment. Cigarettes, cigars, pipes, lighters, pilot flames, or any other source of fire may create an explosion if lit during sanding operations. No sources of fire should be kept near the work area.

Poorly ventilated work areas may create an explosive environment when some combustible materials are present in the atmosphere, such as solvents, thinners, alcohol, fuel, some paints, wood dust or other combustible materials. Floor sanding machines may cause various materials and fumes to ignite. Read the manufacturer's instructions for each chemical product used and establish its combustibility. Always keep the work area well-ventilated.

Striking nails when sanding may generate an explosion or fire. Always ensure all nails are sunk before sanding surfaces.

Serious damage may occur if the power supply circuit trips repeatedly or is undersized. Have the fuses, safety circuit and power supply line checked by an authorized electrician.

Performing maintenance and/or repairing the machine when it is not fully disconnected from the power supply may cause death due to electrocution. Disconnect the power supply before carrying out any maintenance and/or repair work.

The use of this machine on a circuit which is not grounded may cause death due to electrocution. Never disconnect or disable the grounding conductor. Consult an electrician if the ground conductor is missing or it is suspected that the circuit is not suitably grounded.

The use of this machine with a damaged power supply cable may cause electric shock. Check the power supply cable regularly for damage such as splitting or wear and tear. **DO NOT** use the machine if the power supply cable is damaged. **DO NOT** use the electric cable to move the machine.

Injury or damage may occur if the sander runs over the power supply cable and it becomes damaged. Keep the cable away from the lower part of the machine to avoid contact with the abrasive. Always keep the power supply cable raised above the machine.

The moving parts on this machine may cause serious injury and/or damage. Keep hands, feet and loose clothing away from all moving parts of the sander.

Performing maintenance or replacing the dust bag may cause injury to the operator or people nearby if the machine is connected to the power supply.

## Prevention Measures for Users (Con't.)

### Compliance with safety measures and warnings (con't.)



Failure to comply with instructions on this machine and in this manual may cause serious injury and/or damage. Read and comply with all safety instructions. Ensure that all plates, labels, warnings and instructions are secured to the machine. New plates can be obtained from an authorized Bona® dealer.

Injury or damage may occur if maintenance operations or repairs are carried out by any unauthorized personnel.

The machine may become damaged if it is not kept in a dry building. Keep in a dry building.

## Correct Machine Use

**Read this manual carefully and become familiar with the machine.**

The equipment is suitable for industrial use (e.g. in hotels, schools, hospitals, offices, factories and shops).

The following information highlights particularly hazardous situations for the operator and/or machine. Understand when these conditions may be present. Removing safety features could cause death or physical injury. Take all steps necessary to instruct personnel who may use the machine. Report any damage on the machine or incorrect operation immediately.

- 1) Keep hands and clothes away from rotating parts.
- 2) Keep hands on the handle and **DO NOT** leave the machine unattended when the motor is operating.
- 3) Always use the machine with the dust bag in the correct position and **DO NOT** detach the dust bag with the motor operating.
- 4) Always disconnect the power supply cable from the machine before performing maintenance.
- 5) Transport the machine with care due to the heavy weight of the individual parts making up the machine.
- 6) Always use the machine in well-ventilated, well-lit areas.
- 7) Always dispose of the sawdust appropriately.
- 8) Use the type and amount of abrasive specified in the instruction manual.
- 9) The use of accessories other than those recommended in this manual may cause injury.
- 10) The sander is for indoor use only.

# Machine Specifications

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**Abrasive Belt Dimensions:** 750mm (29.53") x 203mm (8.00")

**Drum Width:** 200mm (7.87")

**Drum Diameter:** 185mm (7.28")

**Drum Speed:** 50 Hz — 1800-2050 rpm  
60 Hz — 2000-2200 rpm

**Motor:** (A03) US — 220V~60 Hz 3 kW  
(A05) UK — 240V~50 Hz 2.99 kW  
(A04) EU — 230V~50 Hz 2.99 kW  
(A06) EU — 380V~50 Hz 2.99 kW  
230V~50Hz 2.5 kW

**Control Lever:** Grip control

**Level Control:** Via wheel cam

**Safety Motor Protection:** THERMAL (A04) EU, (A05) UK  
In the event of a power cut the motor will not start without manual intervention.

**Wheels:** Ø 112mm (4.41") and 87mm (3.43") replaceable

**Bearings:** Lifetime lubricated ball bearings

**Drum Pressure Adjustment:** Infinite adjustment

**Noise Level:** 87.5 dB(A) max  
(IEC 60704-1 [continuous weighted sound pressure level A, measured at a distance of 0.4m from the handle and a height of 1.5m from the ground])

**Machine Dimensions:** 1045mm (41.14") x 382mm (15.00") x 980mm (38.59")  
(assembled)

**Net Weight:** 85kg (187.0 lbs)

**Gross Packaging Dimensions:** 1 cardboard item on base pallet  
830mm (32.68") x 536mm (21.10") x 760mm (30.00")

**Gross Weight:** 95kg (209.4 lbs)  
(cardboard packages)

**Standard Equipment:** Dust bag  
Start-up keys  
User and maintenance manual



## Machine Warnings



This equipment is not to be used by anyone (children included) with physical or mental disabilities, or anyone without the relevant experience and knowledge, unless they have received instructions on using the equipment and are supervised by a responsible person to ensure their safety.

This equipment is not suitable for collecting hazardous dust.

Using the machine to move objects or moving on an incline may cause injury or damage. The machine must only be used to sand dry wooden floors which are level or have a maximum incline of 2%. **DO NOT** use the machine to sand furniture. **DO NOT** sit astride the machine when it is operating.

Work surfaces may be seriously damaged if the machine is left turning on one point while the tool is in contact with the surface. To avoid damaging the surface, approach the cutting line carefully. **DO NOT** stop when lowering and raising the equipment, keep moving at constant speed.

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

# Starting the Machine

Bona® Belt HD™ Manual

To start the machine proceed as follows:

1) Become familiar with the machine and read all instructions & safety notices. Ensure that all operators read this manual.

2) Arrange the dust bag as shown and secure it with the cord.

Bona® Belt HD™  
Operating Manual



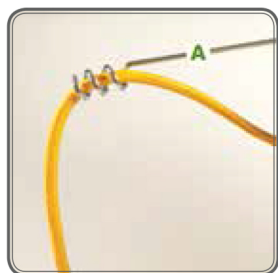
Bona®



3) Locate the power supply. The socket must be compatible with the plug. To avoid electrical hazards the socket must be grounded with a 30-50 Amp fuse.

4) Wind the cable around the cable safety arm (A) to keep it away from the path of the machine.

5) Open the side guard (A).



6) Lower the tensioning unit using the drum tensioning lever (A).

7) Insert the abrasive belt (A), ensuring it protrudes approximately 2mm (0.08") from the rubber drum area.



## Starting the Machine (Con't.)

### WARNING

Only use 750mm (29.53") x 203mm (8.00") abrasive belts.

8) Tighten the drum using the drum tensioning lever (A).



9) Connect the plug to the socket.



10) Ensure the lever (A) is lowered and drum is raised from the floor.



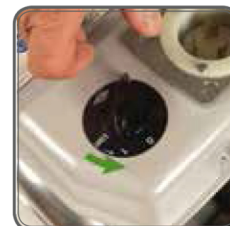
11) To start the machine with a single phase motor:



Turn the knob on the switch from "0" to "START"



Hold it in this position until the motor has reached a sufficient rotation speed



Release the knob, which will automatically return to work position "1"

If starting the machine is difficult in winter when temperatures are very low remove the abrasive belt and start the motor, letting it idle for several minutes. Replace the belt and repeat the start up operations described.

- 12) Observe the operation of the abrasive belt. Follow the procedures for CENTERING THE ABRASIVE BELT on page 23. The belt must run inside the tensioning unit (A) and protrude by approximately 2mm (0.08") from the rubber drum (B).



- 13) Close the side guard (A).



- 14) After lowering the lever (A), commence sanding.



- 15) To stop the machine with a single phase motor:



Turn the knob  
from "1" to "0"

### WARNING

A safety contactor is fitted to the machine. If the power fails when sanding the contactor is activated automatically, stopping the machine from accidentally starting up when the power is restored. To recommence sanding repeat the start-up operations described above.

## Machine Adjustment Procedures

### Centering the abrasive belt

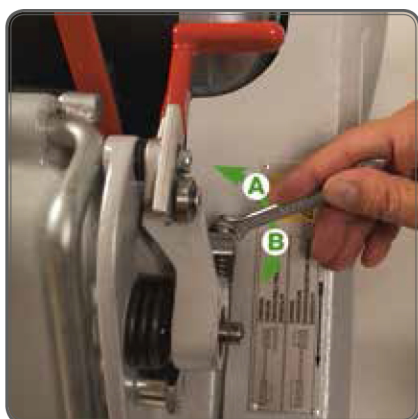
The belt centers automatically on starting the motor.

#### **WARNING**

The belt is positioned correctly when:  
It runs along the inside of the tensioning unit (A).  
It protrudes approximately 2mm (0.08") from the sanding drum (B).



When first fitted the belt may be in the wrong position.  
In this case use the spanner and proceed as follows:



Turn clockwise (B) to move  
the belt towards the outside



Turn counter-clockwise (A) to  
move the belt towards the inside

### Adjusting sanding pressure

To vary drum pressure on the floor, use the adjustment knob and proceed as follows:

1) Turn the adjustment knob (A) clockwise to decrease drum  
pressure on the floor.

2) Turn the adjustment knob (A) counter-clockwise to increase  
drum pressure on the floor.





## Machine Adjustment Procedures (Con't.)

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### Wall edge castor

A support with a free castor has been fitted to avoid damage to the skirting board or wall when sanding along the wall.

#### **WARNING**

The wall edge castor is correctly positioned when the machine is approximately 8mm (0.25") away from the wall with the castor up against it.

Before starting work, position the castor correctly by loosening the bolt (A), moving the support to the required position and tightening the bolt (A).



### Wheel adjustment

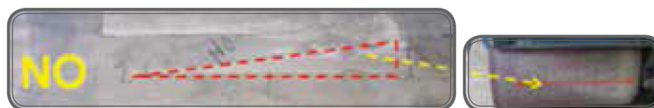
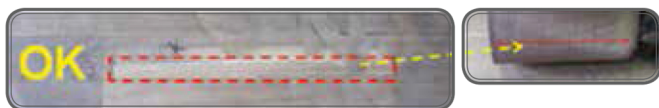
The drum and wheels must be positioned parallel to the surface to be sanded by varying the height of the cam wheel. To adjust proceed as follows:

Before sanding check drum operation on the work surface.

The diagram shows the two possible cases:

**OK:** Drum and wheels are parallel to the surface to be sanded and the mark left by the drum is the total roller length.

**NO:** The drum does not rest fully on the surface and only sands at one part, emphasizing marking on the floor.



## Machine Adjustment Procedures (Con't.)

### Wheel adjustment (con't.)

To adjust proceed as follows:

- 1) Turn the machine over.
- 2) With the tool provided with the machine, check how much the fixed wheel protrudes.
- 3) Loosen the nut (A).



- 4) Turn the cam pin and raise/lower the cam wheel until the wheel protrudes such that the roller operates parallel to the surface to be sanded.
- 5) Lock the nut (A).

## Routine Maintenance

To keep the machine in good working condition the following items must be checked and serviced regularly.

### Sawdust chamber (for the user)

Vacuum the sawdust chamber regularly.



## Routine Maintenance (Con't.)

Bona® Belt HD™ Manual

### Drums (for the user)

Check the outer surface of the drum regularly. Remove any dirt.



### Wheels (for the user)

Remove dirt from the machine unit and wheels regularly. Dirt may cause uneven sanding.



### Dust bag (for the user)

Remove the bag and shake it well to remove sawdust.

Turn the bag inside out and wash it in the machine in cold water to prevent blockage of the pores and a decrease in dust collection ability.





## Routine Maintenance (Con't.)

### Belt tension (for the user)

Check belt tension regularly.  
If the belt is excessively worn it must be replaced.  
(For adjustment procedures see page 12 of this manual)



### WARNING

Excessive belt tension may cause the premature failure of the ball bearings. The drum belt must have a 10.5mm (0.41") stretch with a center load of  $30 \pm 3N$ .

### Bearings (only for tech support service)

Check bearings regularly for wear or damage according to the following timescales:

*Wheels:* After the first 2500 hours

*Fan Shaft:* After the first 2500 hours

*Sanding Drum:* After the first 5000 hours

*Motor Shaft:* After the first 5000 hours

### Drum pulleys and motor pulleys (for the user)

Regularly check that the groove (A) of the pulley has not sunk, otherwise the belt (B) will operate on the bottom (C) of the pulley itself.



## Routine Maintenance (Con't.)

Bona® Belt HD™ Manual

### Drum pulleys and motor pulleys (for the user, con't.)

#### **WARNING**

Pulleys with sunken grooves cause the belts to slip and the correct power will not be transferred to the drum/suction pipe.

This situation can easily occur if the machine loses power during operation. They should therefore be replaced.

## Spare Parts

**Always use Bona® spare parts.**

Failure to use Bona® spare parts, or repairs/adjustments carried out by unauthorized personnel, will invalidate the guarantee and any resulting liability.

**The machine must only be repaired by qualified personnel.**

This electric equipment is compliant with the relevant safety legislation. Repairs must be carried out by qualified personnel using Bona® spare parts, otherwise the user may suffer serious injury.

## Emergency Situations (For the user)

Problem	Cause	Solution
Insufficient Cutting	<div>Unsuitable or worn abrasive</div> <div>Insufficient drum pressure</div> <div>Insufficient belt tension</div> <div>Worn belt</div>	<div>Replace the abrasive</div> <div>Increase drum pressure</div> <div>Increase belt tension</div> <div>Replace the belt</div>
Insufficient Motor Speed	<div>Excessive cable length</div> <div>Unsuitable cross section</div> <div>Unstable connections</div> <div>Faulty capacitor</div> <div>Faulty motor</div>	<div>Use cables of suitable length</div> <div>Use cables of suitable cross section</div> <div>Arrange suitable connections</div> <div>Contact an authorized Bona® dealer</div> <div>Contact an authorized Bona® dealer</div>
Scratched Work Surface	<div>Faulty abrasive</div> <div>Drum surface dirty or faulty</div> <div>Incorrect wheel adjustment</div>	<div>Replace the abrasive</div> <div>Clean/replace the rubber-coated drum</div> <div>Correct the wheel position</div>
Insufficient Dust Collection	<div>Dust bag more than 1/3 full</div> <div>Dust bag dirty or with blocked pores</div> <div>Vacuum ducts and/or obstructed pipes</div>	<div>Empty the bag</div> <div>Shake out the dirt and wash the bag</div> <div>Clean air ducts</div>
Motor Does Not Start	<div>Faulty switch</div> <div>Faulty capacitor</div> <div>Insufficient voltage for connections</div> <div>Faulty motor</div> <div>No power supply voltage</div>	<div>Contact an authorized Bona® dealer</div> <div>Contact an authorized Bona® dealer</div> <div>Contact an authorized Bona® dealer</div> <div>Contact an authorized Bona® dealer</div> <div>Check power supply and connections</div>
Scorching on Work Surface	<div>Worn abrasive</div> <div>Excessive pressure on drum</div> <div>Abrasive too fine</div>	<div>Replace the abrasive</div> <div>Decrease sanding pressure</div> <div>Use abrasive with larger grain</div>

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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**Bona**<sup>®</sup>

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**ЦИКЛЕВОЧНАЯ  
КОМПАНИЯ**

WWW.1PARKET.RU +7 (495) 545-25-85

bona.com

800.872.5515