



SAFETY AND OPERATING MANUAL
3" 1010W Belt Sander
EBS76



ORIGINAL INSTRUCTIONS



EBS76

TABLE OF CONTENTS

Welcome to Lumberjack!

Dear customer, Congratulations on your purchase. Before using the product for the first time please be sure to read these instructions for use.

They provide you with all information necessary for using the product safely and to ensure its long service life.

Closely observe all safety information in these instructions!

General Power Tool Safety Warnings.....	01
Symbols & Cable Rating Chart	04
Machine Details and Product Features.....	05
Assembly.....	06
Operation.....	07
Maintenance and Service.....	08
Lumberjack Guarantee.....	09
Declaration of Conformity.....	11
Parts List.....	12
Parts Diagram.....	14

GENERAL POWER TOOL SAFETY WARNINGS

WARNING Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term "power tool" in the warnings refers to your electric (corded) power tool or battery-operated (cordless) power tool.

1. Work area safety

a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.

b) Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.

c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2. Electrical safety

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b) Avoid body contact with grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.

c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

e) When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

3. Personal safety

a) Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.

b) Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

GENERAL POWER TOOL SAFETY WARNINGS

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

g) If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.

4. Power tool use and care

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

5. Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

b) If the replacement of the supply cord is necessary, this has to be done by the manufacturer or its agent in order to avoid a safety hazard.

6. Additional Safety and Working Instructions

6.1 Dusts from materials such as lead-containing coatings, some wood types, minerals and metals can be harmful to one's health and cause allergic reactions, leading to respiratory infections and/or cancer. Materials containing asbestos may only be worked by specialists. Observe the relevant regulations in your country for the materials to be worked.

GENERAL POWER TOOL SAFETY WARNINGS

6.2 Prevent dust accumulation at the workplace. Dusts can easily ignite.

7 Additional Warnings for Sanders

7.1 Harmful/toxic dusts will arise from sanding e.g. lead painted surfaces, woods and metals.

Contact with or inhalation of these dusts can endanger the health of operator and bystanders. Always use eye glasses and dust mask.

7.2 Hearing protection should be worn when using the sander.

7.3 Always wear safety glasses or eye shields when using the sander. Everyday eyeglasses have only impact-resistant lenses; they are not safety glasses. Following this rule will reduce the risk of serious personal injury.

7.4 Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

7.5 Fully unwind cable drum extensions to avoid potential overheating.

8.6 When an extension cable is required you must ensure it has the correct ampere rating for your power tool and is in a safe electrical condition.

7.7 Ensure your mains supply voltage is same as indicated on the rating plate.

7.8 Your tool is double insulated for additional protection against a possible electrical insulation failure within the tool.

7.9 Always check walls, floors and ceilings to avoid hidden power cables and pipes.

7.10. After long working period's external metal parts and accessories could be hot.

7.11 If possible, ensure the work-piece is firmly clamped to prevent movement.

7.12 Your sander is a hand held tool, do not clamp your sander.

7.13 Before sanding, check the area is free of nails, screws, etc.

7.14 Never stop the sander by applying a force to the base plate.

7.15 Only use paper in good condition. Do not use torn or worn paper.

8.16 Do not sand material containing asbestos due to a health risk.

7.17 Do not sand lead based paint due to the risk of lead poisoning.

7.18 Do not eat or drink in the working area of the sander.

7.19 Do not allow people to enter the working area without wearing a dust mask.

7.20 Where possible, seal off the working area to contain the dust for later removal.

7.21 Your tool is designed for dry sanding only, not wet sanding.

7.22 Your tool is designed for general purpose light polishing of wood and metals.

7.23 Do not sand magnesium material due to the risk of fire.

8. Using an Extension Cable.

8.1. If an extension cable is required, use an approved triple core extension cable suitable for the power input of the tool.

8.2. Grounded tools always require a three wire extension cable.

8.3. As the distance from the supply outlet increases you must use a heavier gauge extension cable. Using extension cables with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage.

8.4. The smaller the gauge number of the wire the greater the capacity of the cord.

8.5. When using a cable reel, always unwind the cable completely.

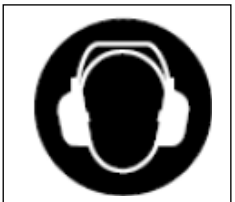
SYMBOLS AND POWER RATING CHART



Danger! – Read the operating instructions to reduce the risk of injury.



Caution! Wear safety goggles.



Caution! Wear ear defenders. The impact of noise can cause damage to hearing.



Caution! Risk of Injury! Do not reach into the running saw blade.



Caution! Wear a dust mask.

Amperes	7.5M	15M	25M	30M	45M	60M
0 – 2.0	6	6	6	6	6	6
2.1 – 3.4	6	6	6	6	6	6
3.5 - 5.0	6	6	6	6	10	15
5.1 – 7.1	10	10	10	10	15	15
7.1 – 12.0	15	15	15	15	20	20
12.1 – 20.0	20	20	20	20	25	-

MACHINE DETAILS AND PRODUCT FEATURES

Machine Details

Specifications:

Mains Voltage -	230V / 50Hz
Power Consumption -	1010W
No Load Speed -	120-380m/min
Belt Size -	76 x 533mm
Gross Weight -	3.7kg
Nett Weight -	3.3kg

Package Contents:

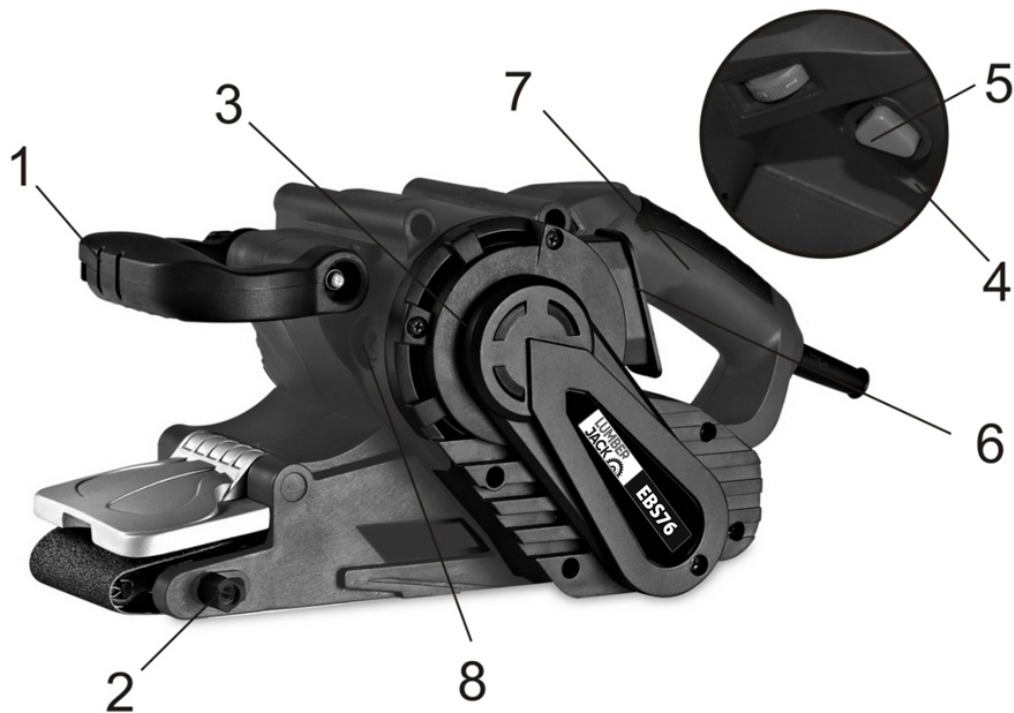
Dust Bag
3 x Sanding Belts

Intended Use

The machine has been designed for the use of sanding wood, plastics, metal and painted surfaces.

Product Features

1. Front Handle
2. Belt Centralizing Adjuster
3. Drive Belt Cover
4. On/Off Switch
5. Lock On Button
6. Dust Extraction Outlet
7. Rear Handle
8. Carbon Brush Housing



ASSEMBLY INSTRUCTIONS

Assembly

Avoid unintentional starting of the machine. During assembly and for all work on the machine, the power plug must not be connected to the mains supply.

Carefully remove all parts included in the delivery from their packaging.

Remove all packaging material from the machine and the accessories provided.

Before starting the operation of the machine for the first time, check if all parts listed in the box content section have been supplied

Note: Check the power tool for possible damage. Before further use of the machine, check that all protective devices are fully functional. Any lightly damaged parts must be carefully checked to ensure flawless operation of the tool. All parts must be properly mounted and all conditions fulfilled that ensure faultless operation.

Damaged protective devices and parts must be immediately replaced by an authorised service centre.

Dust Bag

We recommend that dust extraction is used at all times when using this product.

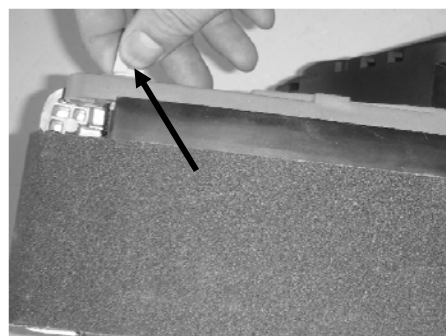
To fit the dust bag (supplied) push it onto the extraction port as shown below.



Centralizing the Belt

Always make sure that the belt is running centrally before the machine is used. Centralizing the belt is essential to stop it from running off the rollers during use.

- With the belt facing the operator and the machine on its side, pull the trigger and observe how the belt is running. If this belt runs toward either edge it will need adjusting.
- Turn the centralizing knob(see 1) to adjust the belt to the centre of the rollers.



OPERATION

Operation

Using the Belt Sander

- Hold the machine with both hands and assume a balanced posture.
- Press the On/Off trigger switch and allow the motor to reach full speed.
- Hold the machine parallel to the work piece. Gently bring belt in contact with the work piece.

Caution! The sander may initially snatch forwards. Resist the forwards motion and allow the sander to move forwards at a gradual pace. Do not use excessive, downward pressure; this may cause the belt to snap.

-Keep the sander moving forwards at an even pace. Failure to do this will result in an uneven finish.

- When the operation finished, lift the sander clear of the workpiece and release the On/Off trigger switch. Wait until the belt has stopped rotating before putting the sander down on workbench. Failure to do this will result in the machine running forwards.

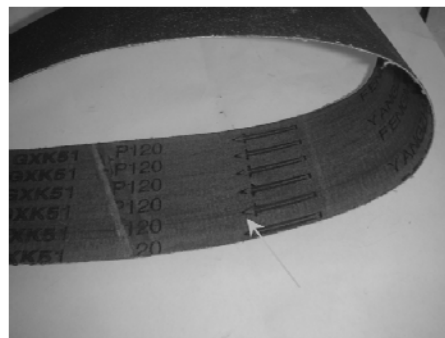
Replacing the Sanding Belts

- Locate the belt tension lever and pull outwards. Take care as the lever is under tension and may spring back to the closed position. Continue pulling the lever outwards until it locks in to position.



-Manoeuvre the sanding belt off the rollers.

NOTE: The Sanding belt has directional arrows printed on the inside of the belt.



-Sanding belts come in different grades i.e. rough through to smooth. Select the correct grade according to the material you are operating on.

- Locate the sanding belt on the rollers. Make sure the sanding belt does not touch the sides of the casing and that the arrows, printed on the inside of the sanding belt point in the direction of travel.



- Close the tension lever.

NOTE: Caution is required as the lever is under spring tension. Make sure the lever closes fully. With the new sanding belt fitted it must be checked to ensure that it is running centrally on the rollers (see section Centralizing the Sanding Belt).

MAINTENANCE AND SERVICE

Maintenance and Service

Maintenance and Cleaning

Before any work on the dust collector itself, pull the mains plug.

If the machine should fail despite the care taken in manufacturing and testing procedures, repair should be carried out by an approved service centre.

- Regularly check to see if any dust or foreign matter has entered the grills near the motor and around the trigger switch. Use a soft brush to remove any accumulated dust. Wear safety glasses to protect your eyes whilst cleaning.

- Re-lubricate all moving parts at regular intervals.

- If the body of the sander needs cleaning, wipe it with a soft damp cloth. A mild detergent can be used but nothing like alcohol, petrol or other abrasive cleaning agents. Never use caustic agents to clean plastic parts.

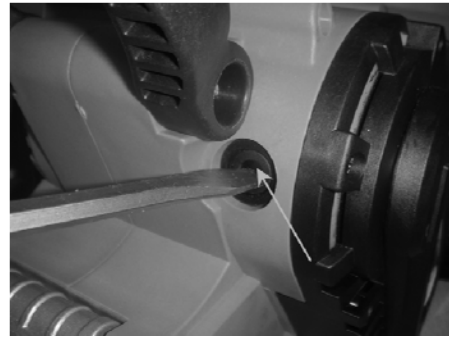
CAUTION! Water must never come in to contact with the sander.

Replacing the Brushes

- During use, the carbon brushes will wear down and will be indicated by a possible loss of power and excessive sparking seen through the ventilation slots. When the carbon brushes have worn down to approximately 4-5mm, they will require replacing.

- **Caution!** Make sure that the sander is isolated from the mains power supply before fitting accessories, maintenance and adjustment if in doubt consult a qualified electrician.

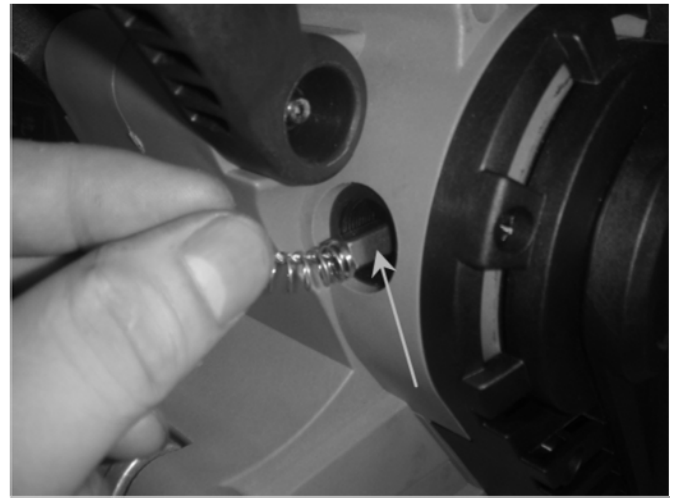
- Place the sander on a workbench and using a screwdriver remove the carbon brush housing cover.



- Remove the carbon brush from the brush housing and replace it with a new one. Slide the new carbon brush in to the brush housing.

Repeat this procedure for the other carbon brush. Then replace the carbon brush housing cover.

Note: Carbon brushes must be replaced in pairs.



LUMBERJACK GUARANTEE

1. Guarantee

1.1 Lumberjack guarantees that for a period of 12 months from the date of purchase the components of qualifying products (see clauses 1.2.1 to 1.2.8) will be free from defects caused by faulty construction or manufacture.

1.2. During this period Lumberjack, will repair or replace free of charge any parts which are proved to be faulty in accordance with paragraph 1.1 providing that:

1.2.1 You follow the claims procedure set out in clause 2

1.2.2 Lumberjack and its authorised dealers are given reasonable opportunity after receiving notice of the claim to examine the product

1.2.3 If asked to do so by Lumberjack or its Authorised dealer, you return the product at your own cost to Lumberjack's or supplying Authorised Dealer's premises, for the examination to take place clearly stating the Returns Material Authorisation number given by Lumberjack or an Authorised Dealer.

1.2.4 The fault in question is not caused by industrial use, accidental damage, fair wear and tear, wilful damage, neglect, incorrect electrical connection, misuse, or alteration or repair of the product without approval.

1.2.5 The product has been used in a domestic environment only

1.2.6 The fault does not relate to consumable items such as blades, bearings, drive belts, or other wearing parts which can reasonably be expected to wear at different rates depending on usage.

1.2.7 The product has not been used for hire purposes.

1.2.8 The product has been purchased by you as the guarantee is not transferable from a private sale.

2. Claims Procedure

2.1 In the first instance please contact the Authorised Dealer who supplied the product to you. In our experience many initial problems with machines that are thought to be faulty due to faulty parts are actually solved by correct setting up or adjustment of the machine. A good Authorised Dealer should be able to resolve the majority of these issues much more quickly than processing a claim under the guarantee. If a return is requested by the Authorised Dealer or Lumberjack, you will be provided with a Returns Material Authorisation number which must be clearly stated on the returned package, and any accompanying correspondence. Failure to provide a Returns Material Authorisation number may result in item being refused delivery at Authorised Dealer.

2.2 Any issues with the product resulting in a potential claim under the guarantee must be reported to the Authorised Dealer from which it was purchased within 48 hours of Receipt.

2.3 If the Authorised Dealer who supplied the product to you has been unable to satisfy your query, any claims made under this Guarantee should be made directly to Lumberjack. The Claim itself should be made in a letter setting out the date and place of purchase, giving a brief explanation of the problem which has led to the claim. This letter should be then sent with proof

LUMBERJACK GUARANTEE

of purchase to Lumberjack. If you include a contact number with this it will speed your claim up.

2.4 Please note that it is essential that the letter of claim reaches Lumberjack on the last day of this Guarantee at the latest. Late claims will not be considered.

3. Limitation of Liability

3.1 We only supply products for domestic and private use. You agree not to use the product for any commercial, business or resale purposes and we have no liability to you for any loss of profit, loss of business, business interruption or loss of business opportunity.

3.2 This Guarantee does not confer any rights other than these expressly set out above and does not cover any claims for consequential loss or damage. This Guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer.

4. Notice

This Guarantee applies to all product purchased from an Authorised Dealer of Lumberjack within the United Kingdom. Terms of Guarantee may vary in other countries.

CE DECLARATION OF CONFORMITY

TOOLSAVE

Unit C, Manders Ind. Est.,
Old Heath Road, Wolverhampton,
WV1 2RP.
Tel: 01902 450 470

Declares that the 3" Belt Sander(EBS76)

Is in compliance with the regulations included in the Directives:2006/42/EC

EC DECLARATION OF CONFORMITY

Certificate for EC-type examination delivered by Interk Testing Services Hangzhou 16
No. 1 Ave., Xiasha Economic Development District, Hangzhou 310018, China
(Verification No.:190300070HZH-V1)

Person who declares: Bill Evans



01.06.2016

The Director

A handwritten signature in black ink, appearing to read 'Bill Evans', with a stylized flourish at the end.

Parts List

No.	Description	No.	Description
1	Belt cover	31	Cable cover
2	Synchronous belt	32	Cable
3	Middle cover	33	Cable press
4	Small pulley	34	Screw ST4.2x16
5	Wind circle	35	Switch
6	Left housing	36	Capacitor0.22uf
7	Brush cover grip	37	Speed control switch
8	Brush holder	38	Inductance
9	Brush	39	Adjust knob
10	Torsion spring	40	Small spring
11	Activities of the shaft plate	41	Washer Φ 13X Φ 6X1
12	Axis of rotation	42	Check ring
13	Nut	43	Front-wheel frame
14	Front handle	44	Fixed sales
15	M6 screw	45	Front wheel
16	Screw ST4.2X16	46	Needle bearing
17	Former handle wrench	47	Frame axis
18	Stator	48	Φ 6 Washer
19	Ball bearing 608RS	49	Front-wheel frame wrench
20	Insulation spacer	50	Φ 6 Rivet
21	Rotor	51	Iron bottom
22	Ball bearing 608RS	52	Large pulley
23	Introduction sets of wind	53	Washer Φ 8
24	Right housing	54	Bearing
25	Nameplate decorative cover	55	Small gear shaft
26	Screw ST2.9x12	56	Plain washer
27	Nameplate	57	Big gear
28	Screw ST4.2x16	58	Washer Φ 8
29	Screw ST4.2x16	59	Bearing 608RS
30	Dust adapter	60	Washer

Parts List

No.	Description	No.	Description
61	Aluminum base	67	Rear
62	Cylindrical pin ϕ 3*11	68	Ball bearing
63	Spring	69	Plastic stent
64	Rear axis	70	Screw ST4.2X40
65	Copper sets	71	Sanding belt
66	Bowl-type gasket		

Parts Diagram

