

SAFETY AND OPERATING MANUAL 13mm Bench Top Drill Press DP13-580B



ORIGINAL INSTRUCTIONS

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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!

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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.



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. Battery Tool Use and Care

a) Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

b) Use power tools only with specificallydesignated battery packs. Use of any otherbattery packs may create a risk of injury or fire.



c) When Battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal object that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

D) User abusive conditions, liquid may be ejected from the battery; Avoid contact. If contact accidentally occurs, flush with copious amounts of water. If liquid contacts eyes, seek medical help immediately. Liquid ejected from the batter may cause irritation or burns.

7. Additional Safety and working Instructions

7.1. Dust 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.

7.2. Prevent dust accumulation at the workplace. Dust can easily ignite.

8 Additional Safety Warning for Bench Drills

8.1 Always wear hairnet for long hair, and make sure you are wearing safety goggles.

8.2 Do not wear gloves, ties or loose clothing.

8.3 while drilling make sure the piece is secured with a vice; never hold the work piece by hand! Never keep your fingers near where they could touch the drill in case the piece moves suddenly. 8.4 Do not use the machine until it has been properly installed in accordance with the instructions provided.

8.5 Do not switch on the machine until all pieces have been firmly tightened together.

8.6 Do not use the machine if it is damaged or functioning badly.

8.7 Perform all adjustments before switching on the machine, make sure to set table height or depth stop to prevent the drill entering the table.

8.8 (If Applicable) Always make sure chick key is removed before use.

8.9 Before switching on the machine check the chuck has been mounted correctly and securely, and that the safety guard is engaged.

8.10 In operations stick to recommended speeds for the drilling accessories and material being used.

8.11 Switch off the power before handling the drill or chuck. Once finished remove drill and clean the table before leaving the machine.

8.12 Always lock the on/off switch when leaving the machine.



10. Using an Extension Cable.

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

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

10.3. 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.

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

10.5. 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.

05



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

Usage

Your bench drill has been designed for the drilling of holes in metal, plastics and wood. It has not been designed for commercial use.

Specifications:

Mains Voltage - 230V/50Hz Power – 300W Motor Speed – 1400min⁻¹ Speed Range – 5 (500/890/1400/1900/2500rpm) Swing – 200mm Spindle Taper – B16 Max. Spindle Travel - 50mm Drill Capacity – 13mm Chuck Capacity - 13mm Max. Distance from Chuck to the table -180mm Max. Distance from Chuck to the base -255mm Table Size – 165X165mm Base Size - 280X180mm Over all Height – 580mm Dimensions (L x M x H) - 580 x 404 x 186mm Nett Weight - 15Kgs Gross Weight – 17Kgs

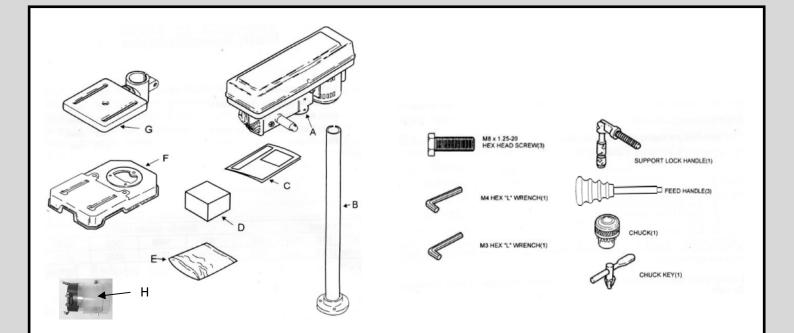
Package Contents:

- A Head Asm x 1
- B Column Support Asm x 1
- C Owner's Manual x 1
- D Box of loose parts x 1
- E Bag of loose parts x 1
- F Base x1
- G Table/support Asm x 1
- H Chuck guard Asm x 1

Lose parts list:

Hex M8 head screw x 3 M4 Hex "L" Wrench x 1 M3 Hex "L" Wrench x 1 Support lock Handle x 1 Feed handle x 3 Chuck x 1 Chuck Key x 1

The design of the model may be different depending on manufacturing changes.



MACHINE DETAILS AND PRODUCT FEATURES

Features	Unpacking Instructions			
 Belt Guard Belt Tension Lock Handle Head Lock Set Screws Table Support Column Support Support Lock Handle Base Spring Cap Depth Pointer Depth Scale Column Bevel Scale Table Bevel Lock Table Feed Handle Chuck Feed Stop Rod Stop Nuts On-Off Switch Chuck Guard 	 Separate all parts from packaging materials and check all items are accounted for. Remove the protective oil that is applied to the table and column. Any ordinary grease and spot remover will do. Apply a coat of paste wax to the table and column to prevent rust. Wipe all parts thoroughly with clean dry cloth. 			
8. Spring cap 9. Depth pointer 1. Belt guard 19. ON-OFF Switch 19. ON-OFF Switch 10. Depth scale 10. Depth scale 11. Column 12. Bevel scale 13. Table bevel lock 14. Table 14. Table				



ASSEMBLY INSTRUCTIONS

<u>Assembly</u>

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.

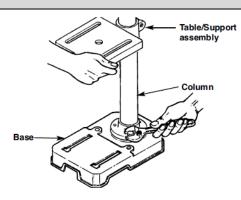
Damaged protective devices and parts must be immediately replaced by an authorised service centre.

Base and column assembly

1. Position the base on the floor. Remove the protective covering and discard.

2. Remove protective sleeve from the column and discard. Place the column assembly on the base, align the holes in the column support with the holes in the base.

3. Locate three long bolts from the parts bag.
 4. Install a bolt in each hole through the column support and the base and tighten with the adjustable wrench.



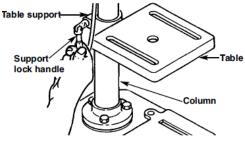
Installation of the table /support assembly and hardware

1. Locate the table/support assembly.

2. Slide the table/support assembly onto the column.

3. Locate the support lock handle among the loose parts.

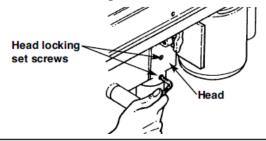
4. Install the support lock handle from the left side into the table support. Raise the table to working height by sliding it on the column and then by tightening the lock handle by hand.



Installation the head

1. Remove the protective covering from the head assembly.

Carefully lift the head above the column and slide it down on the column as far as it will go. Align the head with the table and the base.
 Using a 4mm hex. Key, tighten the head set screws on the right side of the head.





ASSEMBLY INSTRUCTIONS

Installation the chuck & arbor

1. Locate the chuck in the box of parts.

2. Tighten Philip's head screws of the chuck guard to quill shaft.

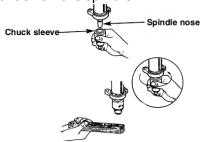
3. Clean out the tapered hole in the chuck, also clean the spindle nose with a clean cloth. Make sure there are no foreign particles sticking to the surfaces. The slightest piece of dirt on the spindle nose or the chuck will prevent the chuck from seating properly. This will cause the drill to "wobble".

NOTE: If the tapered hole in the chuck is extremely dirty, use a cleaning solvent on a clean cloth.

4. Push the chuck up on the spindle nose as far as it will go.

5. Turn the chuck sleeve clockwise and open the chuck jaws completely.

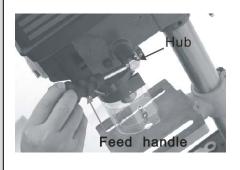
6. Lightly tap the nose of the chuck with a piece of wood to insure the proper seating of the chuck on the spindle.



Installation the feed handles

1. Locate the three feed handles among the loose parts.

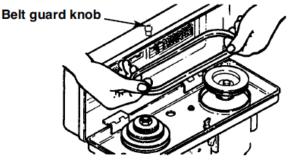
2. Screw the feed handle tightly into the threaded holes in the hub.



Installing the belt guard knob

1. To attach the belt guard knob, use the knob and a pan head screw from the loose parts bag. Insert the pan head screw into the belt guard and screw knob. Tighten.

WARNING! : To avoid possible injury, keep the guard in place and in proper working order while operating.



Tensioning the belt

NOTE: The drill press is shipped with the belt installed, but it should be properly tensioned before use.

1. Lift the guard from the right side and keep it opened.

2. Release the belt tension lock handle located on the right side of the drill press head. Pull the right side of the motor towards the front to relieve the spring tension of the belt. Tighten the belt tension lock handle.

3. Choose the desired speed for your drilling operation, and move the belt to the indicated position. Refer to the chart on the inside of the belt guard.

4. Loosen the belt tension lock handle and move the right side of the motor backwards to apply tension to the belt.

5. Tighten the belt tension lock handle.

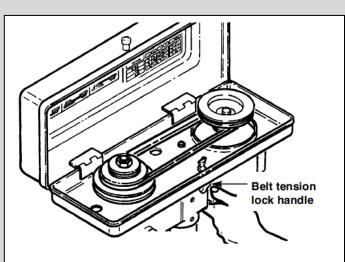
NOTE: The belt should deflect approximately 1/2" by applying finger pressure at the mid-point of the belt between the pulleys.

6. Close the belt guard.

7. If the belt slips while drilling, readjust the belt tension.



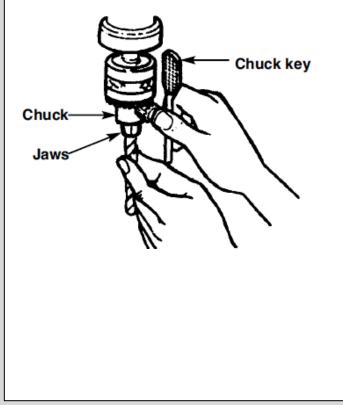
ASSEMBLY INSTRUCTIONS



Installing drill bits

Insert the drill bit into the chuck far enough to obtain the maximum gripping of the chuck jaws. The chuck jaws are approximately 1" long. When using a small drill bit, do not insert it so far that the jaws touch the flutes (spiral grooves) of the bit.

Make sure the drill bit is centred in the chuck before tightening the chuck with the key. Tighten the drill bit well, so that it doesn't slip while drilling. Turn the chuck key clockwise to tighten, counter clockwise to loosen.





ADJUSTMENTS

WARNING! For your own safety, turn the switch OFF and remove the plug from the power source before making any adjustments. To avoid injury from thrown parts due to the spring release, follow instructions carefully and wear safety glasses.

Quill return spring

 Move the stop nuts down to their lowest position and lock in place with a wrench to prevent the quill from dropping while you are tensioning the spring.
 Lower the table for additional clearance.

3. Work from the left side of the drill press.

4. Place screwdriver in the lower front notch of the spring cap and hold it in place while loosening and removing jam (outer) nut only.

5. With the screwdriver remaining in the notch, loosen the large standard (inner) nut until the notch disengages the boss on the head.

6. Carefully turn the screwdriver counter-clockwise and engage the next notch in the boss. **DO NOT REMOVE THE SCREWDRIVER.**

7. Tighten the standard nut with the wrench but only enough to engage the boss. Do not over tighten as this will restrict the quill movement.

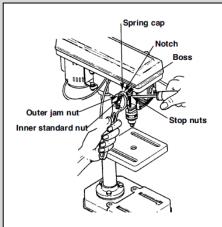
8. Move the stop nuts to the upper most position and check the tension while you turn the feed handles.

9. If there is not enough tension on the spring, repeat steps 4-8 moving one notch each time and checking the tension after each repetition.

10. Proper tension is achieved when the quill returns gently to the full up position when it is released from 3/4 depth.

11. When there is not enough tension after checking, replace the jam nut and tighten the standard nut, but do not over tighten against the standard nut.

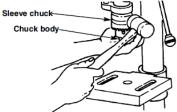
12. Check the quill while feeding to have a smooth and unrestricted movement. If the movement is too tight, loosen the jam nut and slightly loosen the standard nut until it is unrestricted. Retighten the jam nut.



Removing the chuck

1. Open the jaws of the chuck as wide as they will go by turning the chuck sleeve.

2. Carefully tap the chuck with a mallet in one hand while holding the chuck in the other hand to prevent the chuck from dropping when it is released from the spindle nose.



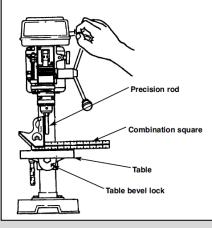
Adjusting the table square to the head

1. Insert a precision round steel rod approximately 3 long into the chuck and tighten.

2. With the table raised to working height and locked into position, place a combination square flat on the table beside the rod.

3. If an adjustment is necessary, loosen the table bevel lock bolt with an adjustable wrench. This adjustment is located under the table.

4. Align the table square to the rod by tilting the table.5. Retighten the table bevel lock bolt.





OPERATION & MAINTENANCE AND SERVICE

Operation

-Practise on waste material first to learn how to operating the machine.

-When drilling all the way through a piece of material, adjust the table so the drill is aligned with the centre of the table. Secure the work piece securely an unsecured work piece results in a rough drilling hole and increases the risk of the drill bit breaking.

-Use a piece of waste wood beneath your work piece to reduce the risk of the work piece splinting and protect the drill tip.

-Use the lift handles to slowly bring the drill downwards and slowly feed the drill into the work piece.

-Drill extra slowly when the drill bit is about to break through the work piece to prevent splintering.

Switching on

Lift the safety stop case and engage the green start button.

Simply press the Red button to stop the machine

Switching on

Lift the safety stop case and engage the green start button.

Simply press the Red button to stop the machine

Cleaning and Maintenance

Before performing any work on the equipment, pull the power plug.

Regularly clean the ventilation slots, dust build up can damage the motor.

Grease every three months by turning the drill to maximum drill depth and greasing the shaft with oil.

No repairs should be carried out without first contacting the supplier as this will void your warranty.

Storage

thoroughly cleans the whole machine and accessories before storing to keep the machine in good running condition.

Store out of reach of children in a stable cool temperature dry place and avoid too high or too low temperatures.



OPERATION & MAINTENANCE AND SERVICE

Trouble	Probable cause	Remedy
Noisy Operation	 Incorrect belt tension Dry spindle Loose spindle pulley Loose motor pulley 	 Adjust tension Lubricate spindle Check tightness of nut on pulley Tighten screws in pulley
Drill Bit Burns	 Incorrect speed Chips not coming out of the hole Dull drill bit Feeding too slow Not lubricated 	 Change speed Retract drill bit frequently to clear chips sharpen drill bit Increase the speed Lubricate the drill bit
Drill bit leads off and hole not round	 Hard grain in the wood or lengths of drill bits cutting lips and/or angles not equal Bent drill bit 	 Sharpen drill bit correctly Replace drill bit
Wood splinters on underside	 No "back up material" under work piece 	1. Use "back up material"
Work piece moving	 Not supported or clamped properly 	1. Clamp the work piece
Drill Bits Binding to work piece	 Work piece is pinching the drill bit or are using excessive feed pressure Improper belt tension 	 Support work piece or clamp it Adjust tension
Excessive drill bit runout or wobble	 Bent drill bit Worn spindle bearings Drill bit not correctly installed in the chuck Chuck incorrectly installed 	 Replace drill bit Replace bearings Install drill bit properly Install chuck properly
Chuck will not stay attached to spindle	 Dirt, grease or oil on the tapered inside surface of chick or on the spindles tapered surface 	 Using household detergent clean the tapered surface of spindle and chuck.



LUMBERJACK GUARANTEE

1. Guarantee

1.1 Lumberjack guarantees that for a period of12 months from the date of purchase thecomponents of qualifying products (see clauses1.2.1 to 1.2.8) will be free from defects causedby 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 Bench Top Drill Press (DP13-580B) Is in compliance with the regulations included in the Directives:2006/95/EC

EC DECLARATION OF CONFORMITY

<u>Certificate for EC-type examination delivered by Ente Certificazione Macchine srl, Via Cà Bella 243 -</u> <u>Location Castello di Serravalle - 40053 Valsamoggia (Bo) ITALY (No.:2T160318.TTD0W34)</u> Person who declares: Bill Evans



01.03.2017

The Director



DP13-580B



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Parts List

No.	Description	No.	Description
101	Rubber bushing	123	Motor stop
102	Knob	123-1	Rubber end
103	Pan hd screw	124	Motor stop spring
104	V-belt	125	Motor adjusting knob
105	Pulley guard	126	Set screw
106	Flange hd screw	127	Knob
107	Retaining ring/shaft	128	Rod
108	Ball bearing	129	Pinion shaft
109	Spacer	130	Hex. nut
110	Pulley insert	131	Special set screw
111	Spindle pulley	132	Spring washer
112	Pulley nut	133	Pan hd screw
113	Cord clamp	134	Switch housing
114	Pan hd screw	135	Pan hd screw
115	Foam washer	136	Switch
116	Head	137	Self tapping screw
117	Nylon hex. nut	138	Switch plate cover
118	Washer	139	Switch safety key
119	Hex. bolt	140	Wire connector
120	Motor pulley	141	Spring seat

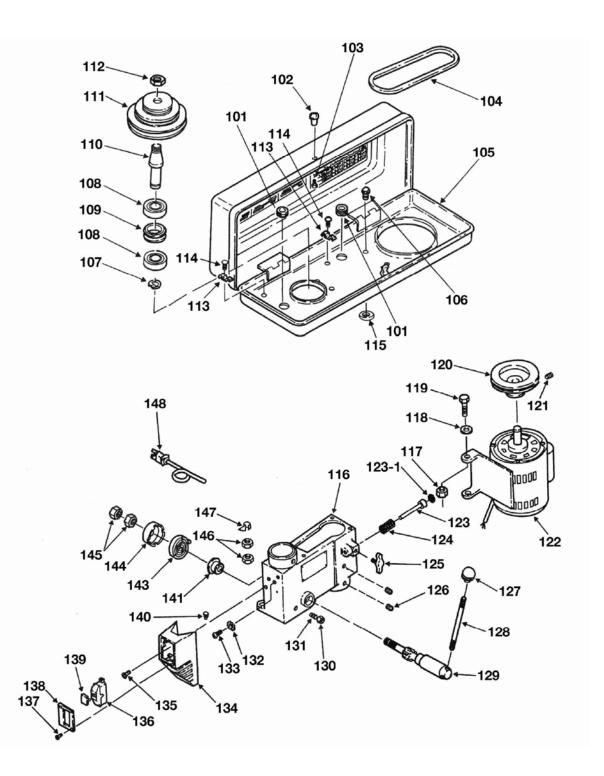


Parts List

No.	Description	No.	Description
145	Hex. nut	158	Hex. nut
146	Hex. nut	159	Hex. nut
147	Pointer	160	Stop rod
148	Power cord	161	Table support
149	Quill gasket	162	Lock handle
150	Ball bearing	163	Column
151	Quill	164	Base
152	Pan hd screw	165	Hex. bolt
153	Stop collar	166	Hex. bolt
154	Retaining ring/shaft	167	Table
155	Spindle	168	Hex. key (3mm)
156	Chuck	169	Hex. key (4mm)
157	Chuck key	170	Chuck guard



Parts Diagram



Parts Diagram

