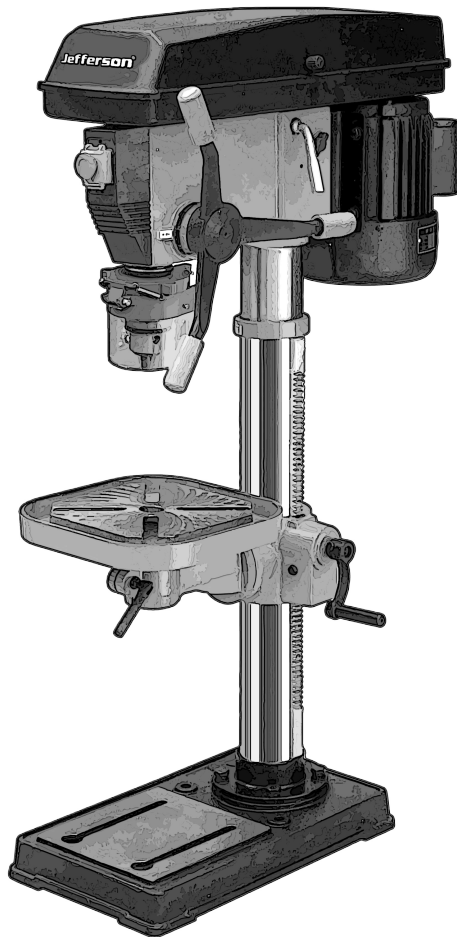


550W

Bench Drill



JFPDB0550

User Manual
v.1.1



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WARNING:

Please read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Store this instruction manual in a safe place for future reference.



2. Introduction

This equipment has been designed for drilling large or small holes in metal, wood, plastic, etc.

Before attempting to use this product, please read this manual thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you and will help to ensure long and reliable service from the equipment.



WARNING:

Warning: this symbol is used throughout the instructions whenever there is a risk of personal injury. Ensure that these warnings are read and understood at all times.

3. Safety Information

When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury:

General Safety

- Always ensure that air can circulate around the machine and that the air vents are unobstructed.
- Always keep work area clean & tidy. Cluttered work areas and benches increase the risk of accidents and injury.
- Never over-reach. Maintain a balanced footing at all times.
- Never use or store this equipment in a wet/damp environment or expose to rain.
- Keep untrained personal, children and pets away from the work area.
- Never operate a machine when under the influence of alcohol, drugs or medication.
- Always ensure the workplace is well lit. Ensure that lighting is placed so that you will not be working in your own shadow.
- Do not use tools in the presence of flammable liquids or gasses.
- Stay alert at all times, watch what you are doing, use common sense and do not operate the tool when you are tired.

Equipment Safety

- Read this manual carefully and understand the workings of the equipment before use.
- Always keep guards in place and in clean, working order. A guard or other part that is damaged should be properly repaired or replaced by an authorized Jefferson repair centre, unless otherwise indicated in this instruction manual.
- Remove any adjusting keys or wrenches before using the equipment.
- Don't force the machine or use it for purposes other than it was designed for.
- Do not modify the equipment to improve performance or exceed the specified rated speed.
- Always disconnect the machine from the power supply before carrying out any servicing or changing accessories.
- Check the alignment and condition of all moving parts before use. Do not use if any parts are damaged or worn.
- Ensure all defective parts are repaired by an authorized Jefferson repair centre using approved replacement parts.
- Never remove the cover panel unless the machine is disconnected from the power supply, and never use the machine with the cover panels removed.
- Never abuse the power cable by yanking the cable to disconnect it from the socket.

- Guard against electric shock. Avoid body contact with earthed or grounded surfaces.
- If the tool should be used outdoors, use only extension cables intended for outdoor use and marked accordingly.
- Avoid accidental starting by making sure the power switch is off before plugging in the power cable.

IMPORTANT: You should not operate this machine unless you are thoroughly familiar with drilling machines and drilling techniques. If there is any doubt whatsoever you should consult a qualified person.

- Never operate the machine until it is completely assembled and you have read and understood this entire manual.
- Always use clamps or a drill vice bolted to the table, to hold the work. The workpiece should never be held with bare hands.
- Always shut off the power & remove the drill bit before leaving the machine.
- Always make all repairs and adjustments with the power off.
- Always use the correct drilling speeds for the drill size and the type of material being drilled.
- Never leave the drill unattended whilst it is running. Turn the machine off and do not leave until it has come to a complete stop.
- Always remove and store the drill bits when you have finished working with the equipment.
- Never attempt to drill into a workpiece that does not have a flat surface unless a suitable support is used.
- Always stop the drill before removing workpieces, work supports or swarf from the table.
- Keep drills sharp and clean for best and safest performance.
- Follow all manufacture instructions for changing accessories.
- Adjust the table or depth stop where necessary to avoid drilling into the table surface.
- Always be sure that the drill bit is securely locked in the chuck.
- Never assemble or set up any work on the table while the drill is running.
- Always ensure the table lock is tight before starting the drill.
- Keep the handles dry, clean and free from oil and grease.
- Always keep hands and fingers away from the drill bit when the equipment is connected to the power supply.



WARNING:

Dust generated from certain materials can be hazardous to your health. Always operate the drill in a well-ventilated area. Use a dust collection system if possible. The use of any accessory or attachment other than one recommended in this instruction manual may present a risk of personal injury.

Protective Clothing

- Dress properly. Loose clothing or other jewellery may get caught in moving parts. Non-slip footwear is recommended. Wear protective hair covering or tie back long hair.
- Always wear safety glasses and ear protection.
- Wear a face mask if drilling into any material which produces dust.

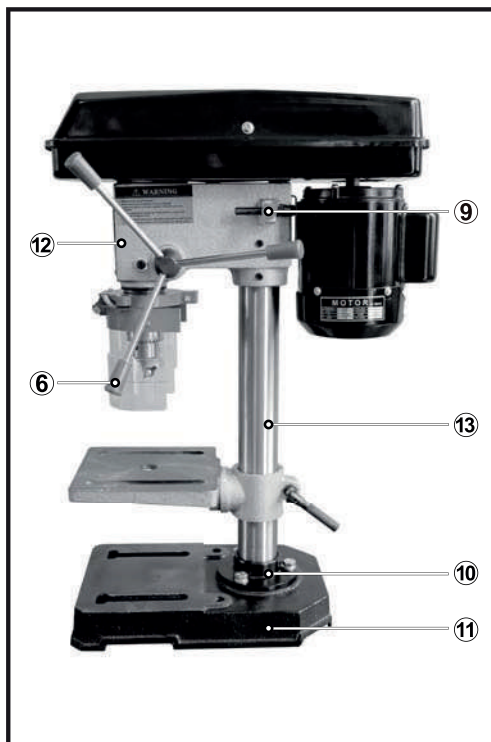
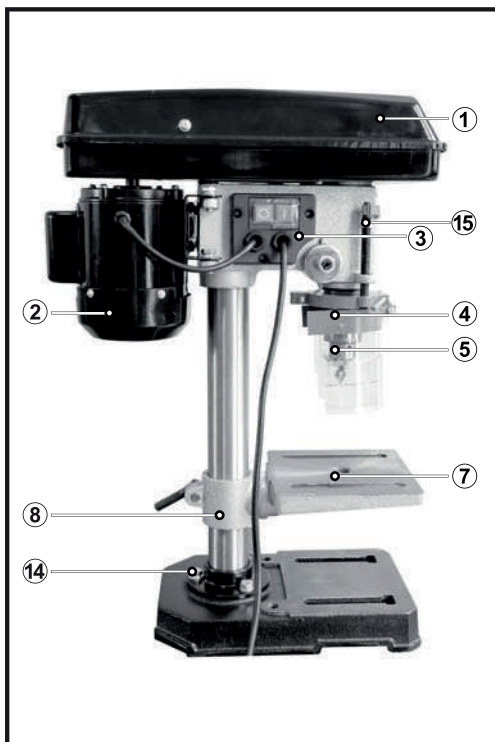
Electrical Safety

Before switching the product on, make sure that the voltage of your electricity supply is the same as that indicated on the specification plate. Connecting it to any other power source may cause damage.

This product may be fixed with a non-rewireable plug. If it is necessary to change the fuse in the plug, the fuse cover must be refitted. If the fuse cover becomes lost or damaged, the plug must not be used until a suitable replacement is obtained.

If the plug has to be changed because it is not suitable for your socket, or due to damage, it should be cut off and a replacement fitted. The old plug must be disposed of safely and should not be left around for accidental reuse.

4. Parts Identification



1	Pully Cover
2	Motor
3	Switch
4	Chuck Guard
5	Chuck
6	Feed Handle
7	Table
8	Table Holder
9	Belt Tension Lock Knob
10	Column Support
11	Base
12	Main Housing
13	Column
14	Bolts
15	Depth Stop Lock Knob

5. Unpacking, Assembly & Work Environment

The equipment is delivered with the components shown above. After unpacking, check the parts against this list and check for any damage caused during transit. If any damage is found contact your Jefferson Dealer and arrange a replacement.

Do not discard the packaging until the machine is assembled. The packaging consists of cardboard and appropriately marked materials which can be sent to a suitable re-cycling centre.

To protect the machine parts from moisture, a protective coating of light machine oil will have been applied to the outside surfaces. Remove any excess with a paper towel.

Take care when lifting the heavy head assembly. Before use, the machine must be mounted, and securely bolted, to a strong, heavy workbench, of sufficient height that you will be standing upright when working.

Ensure the work place is adequately lit, and that you will not be working in your own shadow.



WARNING:

During assembly setup and adjustments always ensure the bench drill is disconnected from the power supply.

Base & Column

1. Carefully remove contents from the packing box.
2. Select a firm, level surface on which to assemble the bench drill.
3. Select the base (**Fig.1**) and align the column support over the large hole (**Fig.2**).
4. Align the holes in the column support with those in the base and secure in place using the bolts and washers. (**Fig.5**).
5. Use a spanner to securely tighten all bolts (**Fig.3**). We recommend mounting the base to stable surface for proper support.
6. Slide the column into the column support (**Fig.4**).
7. Secure in place with 2 grub screws using the hex key (**Fig.5**).

Rack & Table

1. Fix the rack on the table support as shown (**Fig.6**).
2. Assemble the support and rack onto the column, ensuring the rack is positioned on the right side of the column (when viewing the product from the front) (**Fig.7**).
3. Slide the rack all the way down until it locates into the lower column support (**Fig.8**).
4. Slide the collar, tapered side facing down, over the column until it locates the rack.
5. Tighten the grub screw on upper collar (**Fig.9**).
6. Fix table adjustment handle on the support (**Fig.10**).
7. Assemble table onto table support, tighten in place with table lock (**Fig.11**).

Main Housing

1. Lift the main housing and slide it down onto the column as far as it will go (**Fig.12**).
2. Ensure the spindle aligns with the table and base before securing the housing.
3. To secure in position tighten the grub screws on the left and right hand sides of the housing (**Fig.13**).
4. To fit the feed wheel handles, screw them into feed wheel hub (**Fig.14**).
5. For some cast iron feed handle, tighten the 3 grub screws to wheel hub (**Fig.15**) then fix the plastic case on cast iron feed handle as shown (**Fig.16**).

Chuck & Arbor

1. Before any assembly, ensure the chuck jaws are wound all the way up (inside the chuck) to prevent them from damage (**Fig.17**).
2. Tighten Philip's head screws of the chuck guard to quill shaft (**Fig.18**).
3. Fit the tapered arbor end into the chuck by hand, using reasonable force (**Fig. 19**).
5. Once it is located a firm tap on the underside of the chuck with a soft hammer is required to secure it. The chuck & arbor are installed correctly if they cannot be pulley out with hand force (**Fig. 21**).

Fig.1



Fig.2



Fig.3



Fig.4



Fig.5



Fig.6



Fig.7



Fig.8



Fig.9



Fig.10



Fig.11



Fig.12



Fig.13



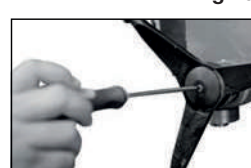
Fig.14



Fig.15



Fig.16



6. Settings & Adjustments

Table Height Adjustment

1. Loosen the table support lock (**Fig. 22**).
2. Rotate the table adjustment handle to set the desired table height and tighten the table lock to secure the table in position (**Fig. 23**).

Fig.22



Fig.23



Table Bevel Adjustment

1. The bevel angel is adjusted by loosening the bolt that is located underneath table support with a spanner (**Fig. 24**).
2. After tilting the working table (**Fig. 25**) to appropriate position, re-tighten the bolt to secure its position.

Fig.24



Fig.25



Caution: When the table is angled/tilted, ensure the workpiece is clamped to the table.

7. Using Straight Shank Drill Bits



1. Using the chuck key, loosen the jaws of the chuck by rotating in an anti-clockwise direction (**Fig. 26**).
2. Insert the drill bit into the chuck (**Fig.27**).
3. While holding the drill bit in one hand rotate the top collar of the chuck in a clockwise direction. Insert the chuck key into 1 of the 3 rotating holes and tighten until the drill bit is secure (**Fig. 28**).

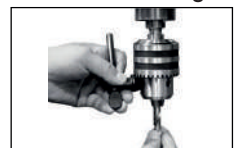
Fig.26



Fig.27



Fig.28



8. Using Morse Taper Drill Bits



1. To use Morse taper bits, remove chuck and arbor.
2. Turn arbor until the tang aligns with the slot in the quill (**Fig. 29**).
3. Insert the drill key into the slot and tap firmly with a metal hammer until it is released (ensure the chuck jaws are wound all the way up to prevent any damage (**Fig. 30**).
3. Place taper bit into the spindle hole, twisting and pushing upward until the bit is snug (**Fig. 31**).
4. Place block of wood on the table and raise up table until the tapered bit is firmly into the spindle.

Fig.29



Fig.30



Fig.31



9. Pre-Setting The Drilling Depth Bench Type

To set the depth of the hole, adjust the depth stop as follows:

1. Lower the chuck with the power off, until the drill bit touches the surface of the workpiece, and hold in that position.
2. Spin down the adjuster nut so that the gap between its underside and top of the bracket is the depth of the hole required.
3. Screw down the lock nut and lock it against the adjuster nut. The drill is now set to drill holes to your pre-determined depth from that particular start point.
Providing the surface of your workpiece is flat and level, you may drill a series of holes, each to the same depth. The scale and pointer can be used when drilling individual holes.
4. Lower the chuck until the drill bit touches the work, set the pointer against a point on the scale, and proceed to drill to the required depth, using the scale.

Fig.32

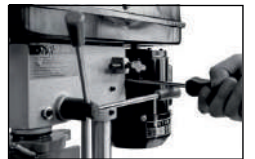


10. Adjusting Speed Settings

Before changing the speeds, ensure the machine is switched OFF, and disconnected from the power supply.

1. Open the pulley cover.
2. Slacken off the belt tension locking knob, to relieve any tension on the drive belt.
3. Consult the chart inside the pulley cover, and position the belt on the pulley's according to the spindle speed required.
4. When the belt has been correctly positioned, re-tension by levering the motor away from the head. Lever the motor, with its bracket, away from the head, so that tension is applied to the belt. Tension is correct when the belt deflects by approximately 1/2" at its centre, when using reasonable thumb pressure. Lock the motor in this position using the locking knob.

Fig.33



11. Operation Guide

Turning On And Off

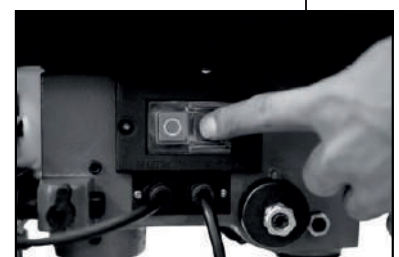
Note: The pulley cover must be closed to operate the bench drill.

- Turn the bench vice on by pressing the green button on the switch as shown **(Fig.34)**.
- Switch the bench vice off by pressing the red button on the switch. **(Fig.35)**.
- Secure your workpiece to the table if possible (for example use a vice or a set of clamps).

Fig.34



Fig.35



12. Drilling

1. Ensure the bench drill is switched off and disconnected from the power supply.
2. Loosen the jaws of the chuck with the chuck key by turning in an anti-clockwise direction and insert the selected drill bit into the as far as it will go.
3. Insert the chuck key into 1 of the 3 locating holes and tighten until the drill bit is secure.
Select your drilling depth and secure the depth stop lock knob in position.
4. Turn the bench drill on by pressing the green button on the switch **(Fig.34)**.
5. Adjust the table to your desired position.
6. Slowly rotate the feed wheel handles to bring the drill bit down towards the table and into your workpiece.
After drilling a hole, release the feed wheel handles slowly to return the chuck to its original position.
7. Continue the operation until the task is completed.
8. When your work is complete, switch the bench drill off by pressing the red button on the switch.

13. Maintenance

For maximum performance, it is essential that the bench drill is properly maintained.

Always inspect it before use. Any damage should be repaired, and faults fixed immediately.

Always remove the plug from the power supply before carrying out any adjustment, servicing or maintenance on this equipment.

Contact your nearest Jefferson Dealer if any faults or damage is found.

Monthly Maintenance

1. Check tightness of mounting bolts, and head and column securing set screws.
2. Check the drive belt for wear, and replace if frayed or damaged.
3. Blow out with compressed air, or vacuum clean out, any dust that may have accumulated in the motor fan vents.
4. Apply a thin coat of wax paste or light oil to the table and column, for lubrication, and to help prevent corrosion.
5. If the mains lead is damaged in any way, it should be replaced immediately.

Lubrication

- All bearings are packed with grease at the factory and require no further lubrication.
- Occasionally, lubricate the quill shaft assembly and rack with light oil if required.

After Use

- Remove all swarf from the machine and thoroughly clean all surfaces.
- Components should be kept dry, with machined surfaces lightly oiled.
- Always remove drill bits, and store in a safe place.

14. Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
Noisy operation (under load)	a. Incorrect belt tension b. Dry spindle c. Loose pulley d. Loose belt e. Worn bearing	a. Adjust tension b. Remove spindle and quill assembly and lubricate c. Tighten pulley d. Adjust belt tension e. Replace bearing
Excessive drill wobble	a. Loose chuck b. Worn spindle or bearing c. Worn chuck d. Bent drill bit	a. Tighten the chuck by pressing it down on to a block of wood against the table b. Replace the spindle shaft or bearing c. Replace the chuck d. Renew the drill bit
Motor wont start	a. Power supply b. Motor connection c. Switch connection d. Faulty switch. e. Motor windings burned f. Pulley cover not closed g. Micro switch on cover is not operating correctly	a. Check power cord/fuse. b. Check motor connections. c. Check switch connections. d. Replace switch. e. Replace motor. f. Close pulley cover. g. Check operation of micro switch, and renew / adjust as necessary.
Drill binds in the workpiece	a. Excessive feed pressure b. Loose belt c. Loose drill d. Incorrect bit speed e. Drill angles incorrect for type of material	a. Apply less pressure b. Check belt tension c. Tighten drill with key d. Adjust the drill speed reasonably e. Consult a technical manual dealing with materials, drills and cutting angles, and sharpen drill accordingly.
Drill bit burns or smokes	a. Incorrect speed b. Swarf is not discharging c. Dull drill or not proper clearance for material d. Needs coolant e. Excessive feed pressure	a. Adjust drill speed accordingly b. Clean drill c. Check sharpness & taper d. Use coolant whilst drilling e. Apply less pressure
Table is difficult to raise	a. Needs lubrication b. Table lock tightened	a. Lubricate with light oil b. Loosen clamp

Jefferson[®]
PROFESSIONAL TOOLS & EQUIPMENT

Parts & Servicing

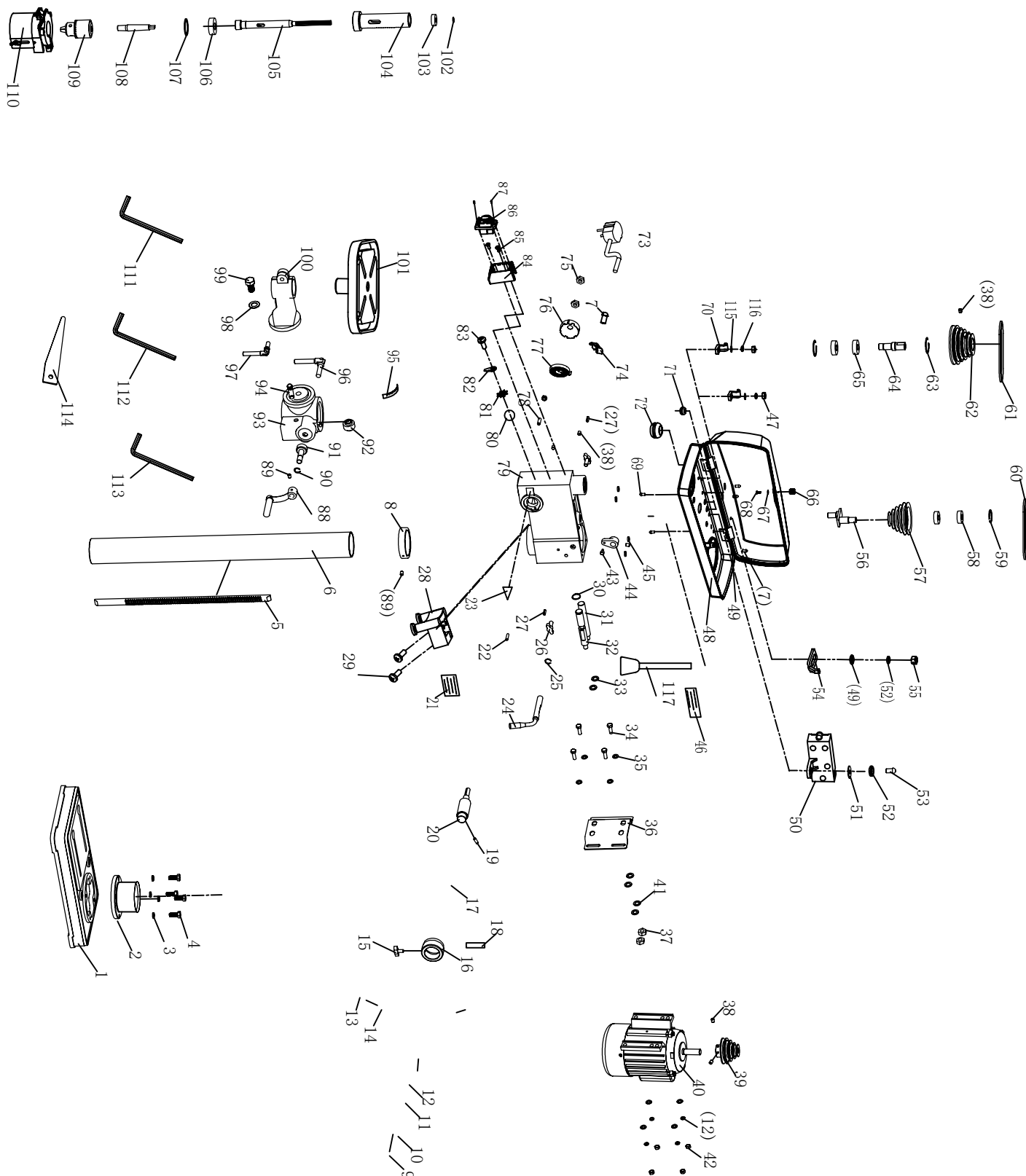
For Jefferson approved replacement parts contact your nearest dealer or contact Jefferson tools

Telephone: +44 (0)1244 646 048

Fax: +44 (0)1244 241 191

Email: warranty@jeffersonstools.com

15. Parts List & Diagrams

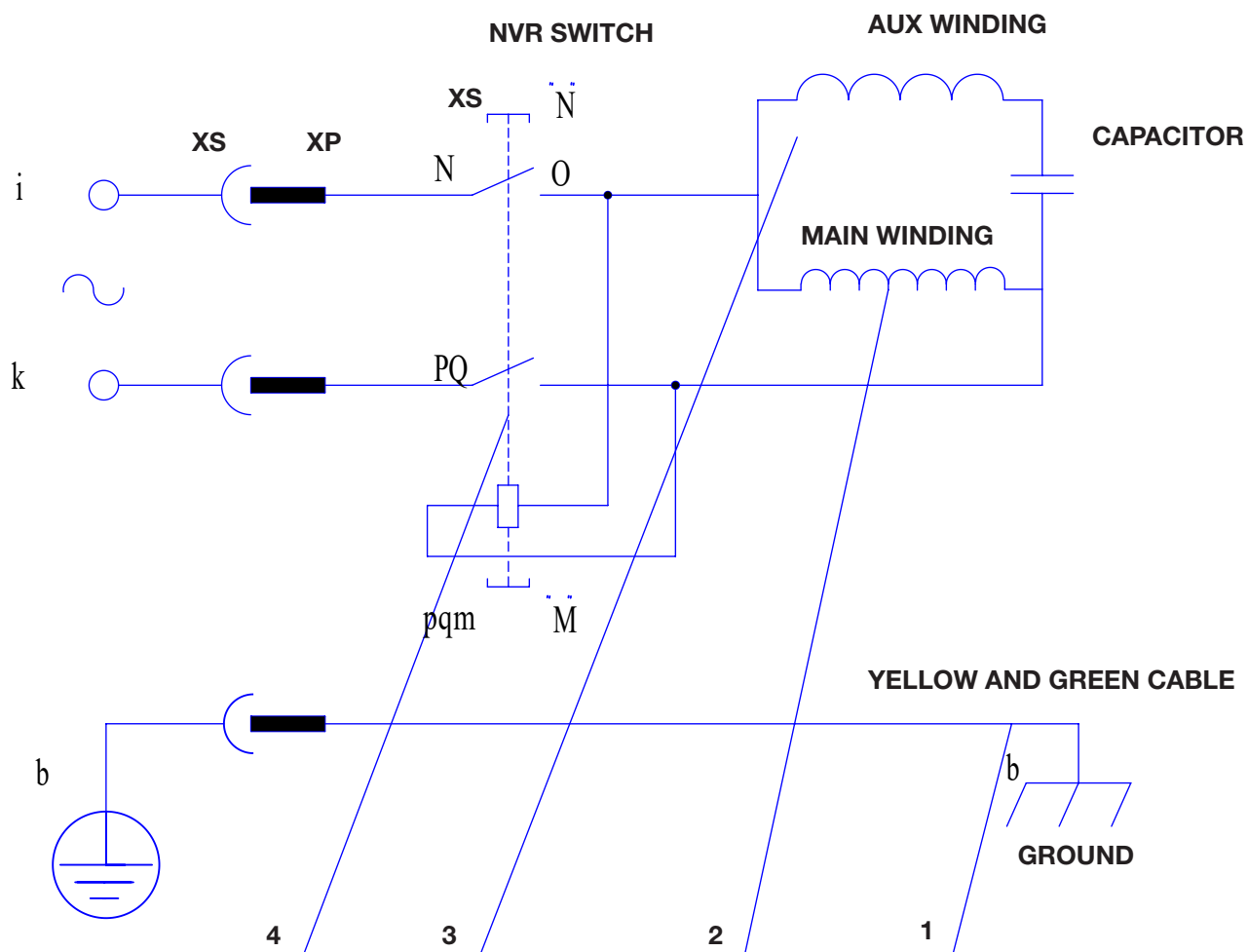


NUMBER	DESCRIPTION	SPECIFICATION	QUANTITY
1	Base		1
2	Column flange		1
3	Spring washer	10	4
4	Outside hex. Bolt	M10×25	4
5	Rack		1
6	Column		1
7	Cross recess pan hd screw	M6×12	5
8	Collar rack		1
9	Cross recess countersunk hd screw	M6×16	1
10	Cap handle		1
11	Hex. Soc hd cap screw	M8×20	3
12	Spring washer	8	3
13	Handle sheath		3
14	Handle		1
15	Wing knob	M8	1
16	Dial scale		1
17	Connection loop		1
18	Calibration label		1
19	Roll pin	5×18	1
20	Gear shaft		1
21	Warning label		1
22	Roll pin	M6×18	1
23	Indicator		1
24	Handle belt tension		1
25	Circlip for bearing	15	1
26	Locking handle knob	M10	2
27	Roll pin	6×18	2
28	Laser		1
29	Cross recess countersunk hd screw	M5×30	2
30	Circlip for bearing	19	1
31	Slip shaft		1
32	Adjusting shaft		1
33	Flat washer	12	4
34	Outside hex. Bolt	M8×25	4
35	Flat washer	8	8
36	Motor connection plate		1
37	Nut	M12	2
38	Hex. Soc set screw	M8×10	5
39	Motor pulley		1
40	Motor		1
41	Spring washer	12	2
42	Nut	M8	5
43	Cam pin		1
44	Cam		1

NUMBER	DESCRIPTION	SPECIFICATION	QUANTITY
45	Damping washer		4
46	Speed label		1
47	Nut	M5	3
48	Pulley cover		1
49	Flat washer	6	6
50	Micro switch box		1
51	Big flat washer	6	1
52	Spring washer	6	2
53	Cross recessed pan head screw	M6×16	1
54	Micro switch pressing claw		1
55	Nut	M6	1
56	Eccentric shaft		1
57	Middle pulley		1
58	Bearing	6202	2
59	Circlip for hole	35	1
60	Belt	O-500	1
61	Belt	O-565	11
62	Spindle pulley		1
63	Circlip for hole	40	2
64	Keyway spindle		1
65	Bearing	6203	2
66	Pulley cover knob		1
67	Big flat washer	4	1
68	Cross recessed pan head screw	M4×10	1
69	Cross recessed pan head screw	M5×16	3
70	Cord clamp		3
71	Protector ring	10	2
72	Protector ring	22	1
73	Plug with cable		1
74	Cord clamp		1
75	Nut	M12×1.75	2
76	Spring cover		1
77	Spring		1
78	A word head screw		1
79	Housing		1
80	Label		1
81	Tooth lock washer	4	2
82	Grounded parts		2
83	Cross recess head screw	M4×6	2
84	Switch box		1
85	Cross recess head screw	M5×12	2
86	Switch		1
87	Cross recess head tapping screw	St3×10	2
88	Crank		1

NUMBER	DESCRIPTION	SPECIFICATION	QUANTITY
88	Crank		1
89	Hex. Soc set screw	M6×8	1
90	Circlip for bearing	14	1
91	Worm		1
92	Worm gear		1
93	Table support		1
94	Worm pin		1
95	Angle label		1
96	Locking handle	M12	1
97	Locking handle	M10	1
98	Spring washer	16	1
99	Outside hex. Bolt	M16×30	1
100	Table arm		1
101	Working table		1
102	Circlip for bearing	12	1
103	Bearing	6204	1
104	Spindle socket		1
105	Main spindle		1
106	Bearing	6201	1
107	Washer		1
108	Taper spindle		1
109	Chuck		1
110	Chuck guard		1
111	Hexagon bar wrench	3	1
112	Hexagon bar wrench	4	1
113	Hexagon bar wrench	6	1
114	Thick brake iron		1
115	Flat washer	5	4
116	Spring washer	5	4
117	Led light		1

16. Circuit Diagram



1	VDE	GROUND CABLE YELLOW AND GREEN
2	VDE	MOTOR CABLE
3		MOTOR
4	DA7B	NVR SWITCH

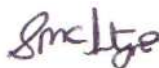
EC Declaration of Conformity

We, Jefferson Professional Tools & Equipment, as the authorised European Community representative of the manufacturer, declare that the following equipment conforms to the requirements of the following Directives:

2004/108/EC (as amended)	Electromagnetic Compatibility
2006/42/EC (as amended)	Machinery Directive
2006/95/EC (as amended)	Low Voltage Directive
2011/65/EC (as amended)	Restriction of Hazardous Substance Directive (RoHS)

Equipment Category: Bench Drill / Pillar Drill / Drill Press
Product Name/Model: JFDPDB0550 - 550w Bench Drill
EU Member State: United Kingdom

Signed by: Stephen McIntyre
Position in the company: Operations Director
Date: 20 June 2015
This technical document is held by: Jimmy Hemphill



Technical file holder's address as shown below

Name and address of manufacturer or authorised representative:

Jefferson Tools, Herons Way, Chester Business Park, Chester, United Kingdom, CH4 9QR
Telephone: +44 (0)1244 646 048 **Fax:** +44 (0)1244 241 191 **Email:** enquiries@jeffersonstools.com
www.jeffersonstools.com

Limited Warranty Statement

Jefferson Professional Tools & Equipment, or hereafter "Jefferson" warrants its customers that its products will be free of defects in workmanship or material. Jefferson shall, upon suitable notification, correct any defects, by repair or replacement, of any parts or components of this product that are determined by Jefferson to be faulty or defective.

This warranty is void if the equipment has been subjected to improper installation, storage, alteration, abnormal operations, improper care, air compressor service or repair.

Warranty Period

Jefferson will assume both the parts and labour expense of correcting defects during the stated warranty periods below.

All warranty periods start from the date of purchase from an authorised Jefferson dealer. If proof of purchase is unavailable from the end user, then the date of purchase will be deemed to be 3 months after the initial sale to the distributor.

1 Year

- All Jefferson Bench & Pillar Drills

90 Days

- All replacement parts purchased outside of the warranty period

Important: All parts used in the repair or replacement of warranty covered equipment will be subject to a minimum of 90 days cover or the remaining duration of the warranty period from the original date of purchase.

Warranty Registration / Activation

You can register and activate your warranty by visiting the Jefferson Tools website using the following address: www.jeffersontools.com/warranty and completing the online form. Online warranty registration is recommended as it eliminates the need to provide proof of purchase should a warranty claim be necessary.

Warranty Repair

Should Jefferson confirm the existence of any defect covered by this warranty the defect will be corrected by repair or replacement at an authorized Jefferson dealer or repair centre.

Packaging & Freight Costs

The customer is responsible for the packaging of the equipment and making it ready for collection. Jefferson will arrange collection and transportation of any equipment returned under warranty. Upon inspection of the equipment, if no defect can be found or the equipment is not covered under the terms of the Jefferson warranty, the customer will be liable for any labour and return transportation costs incurred.

These costs will be agreed with the customer before the machine is returned.

* Jefferson reserve the right to void any warranty for damages identified as being caused through misuse

Warranty Limitations

Jefferson will not accept responsibility or liability for repairs made by unauthorised technicians or engineers. Jefferson's liability under this warranty will not exceed the cost of correcting the defect of the Jefferson products.

Jefferson will not be liable for incidental or consequential damages (such as loss of business or hire of substitute equipment etc.) caused by the defect or the time involved to correct the defect. This written warranty is the only express warranty provided by Jefferson with respect to its products. Any warranties of merchantability are limited to the duration of this limited warranty for the equipment involved. Jefferson is not responsible for cable wear due to flexing and abrasion. The end user is responsible for routine inspection of cables for possible wear and to correct any issues prior to cable failure.

Claiming Warranty Coverage

The end user must contact Jefferson Professional Tools & Equipment (Tel: +44 (0) 1244 646 048) or their nearest authorised Jefferson dealer where final determination of the warranty coverage can be ascertained.

Step 1 - Reporting the Defect

Online Method:

- Visit our website www.jeffersonstools.com/warranty and complete the Warranty Returns form. You can complete the form online and submit it to us directly or download the form to print out and return by post.

Telephone Method:

Contact your Jefferson dealer or sales representative with the following information:

- Model number
- Serial number (usually located on the specification plate)
- Date of purchase

A Warranty Returns form will be sent to you for completion and return by post or fax, together with details of your nearest authorised Jefferson repair centre. On receipt of this form Jefferson will arrange to collect the equipment from you at the earliest convenience.

Step 2 - Returning the Equipment

It is the customer's responsibility to ensure that the equipment is appropriately and securely packaged for collection, together with a copy of the original proof of purchase. Please note that Jefferson cannot assume any responsibility for any damage incurred to equipment during transit. Any claims against a third party courier will be dealt with under the terms & conditions of their road haulage association directives.

Please note: Jefferson will be unable to collect or process any warranty requests without a copy of the original proof of purchase.

Step 3 - Assessment and Repair

On receipt, the equipment will be assessed by an authorised Jefferson engineer and it will be determined if the equipment is defective and in need of repair and any repairs needed are covered by the warranty policy. In order to qualify for warranty cover all equipment presented must have been used, serviced and maintained as instructed in the user manual.

Where repair is not covered by the warranty a quotation for repair, labour costs and return delivery will be sent to the customer (normally within 7 working days).

Note: If the repair quotation is not accepted Jefferson Professional Tools & Equipment will invoice 1 hour labour time at £30 per hour plus return carriage costs (plus VAT).

In cases where no fault can be found with the equipment, or, if incorrect operation of the equipment is identified as the cause of the problem, a minimum of 1 hour labour at £30 per hour plus carriage costs will be required before the equipment will be despatched back to the customer.

Any equipment repaired or replaced under warranty will normally be ready for shipment back to the customer within 7 working days upon receipt of the equipment at an authorised Jefferson Repair centre (subject to part availability). Where parts are not immediately available Jefferson will contact you with a revised date for completion of the repair.

General Warranty Enquiries

For any further information relating to Jefferson warranty cover please call **+44 (0) 1244 646 048** or send your enquiry via email to **warranty@jeffersonstools.com**

Disclaimer:

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IMPORTANT! SAFETY FIRST!

Before attempting to use this product please read all the safety precautions and operating instructions outlined in this manual to reduce the risk of fire, electric shock or personal injury.

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