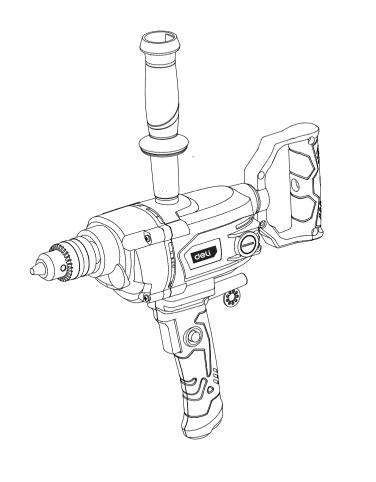


User Instruction Manua

Electric Drill DI -D716-E1



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1 Electric Drill Diagram



This diagram is for reference only Machine appearances vary as per different models, and actual product shall prevail!

Serial No.	Name	Serial No.	Name
1	Drill chuck	6	Rear handle
2	Head housing	7	Switch
3	Side handle	8	Constant lock key
4	Machine housing	9	Handle
5	Carbon brush	(10)	Power cords

Workplace safety

Electrical safety

- shock danger
- shock danger.

Personal safetv

keep sober.

2 General Safety Warnings for Electric Tool

Read all warnings and instructions. Failure to obey the following warnings and instructions will cause electric shock, fire and/or serious injury. Save all warnings and instruction manual for future reference.

In all following warnings, the term "electric tool" refers to power-driver (wired) electric tool or battery-driven (wireless) electric tool.

1. Keep workplace clean and bright. Chaotic and dark venues will lead to

2 Do not operate electric tool in an explosive environment such as an environment with flammable liquid, gas or dust. Sparks from electric tool will ignite dust or gas.

3 When operating electric tool, keep away from children and bystanders Inattention will cause the operator to lose control of the tool.

Electric tool plug must match the socket. Never modify the plug in any manner. Do not use any adapter plug for the electric tool in need of arounding. Unmodified plug and matched socket will reduce electric

Avoid human touch with arounded surface such as pipes, cooling fins and refrigerators. If your body is grounded, it will increase electric

3 Do not expose electric tool to rain or humid environment Water entering electric tool will increase electric shock danger.

Do not abuse wires. Never use wires to move, pull or unplug electric tool. Keep wires away from heat sources, oils, sharp edges or moving parts. Damaged or entangled wires will increase electric shock danger. 5. When using electric tool outdoors, use extension cords suitable for outdoors, and the wires suitable for outdoors will reduce electric shock

6. If it is unavoidable to operate electric tool in a humid environment, u the power supply with residual current device [RCD] protection, RCD can be used to reduce electric shock danger.

1. Keep alert. When operating electric tool, focus on the operation and

Do not operate electric tool, when you feel tired or have drug, alcohol or treatment reaction. Momentary negligence when operating electric tool will cause serious personal iniury.

- Use personal protective device. Always wear goggles and safety device. For example, the use of dust masks, non-slip safety shoes, helmets, hearing protection and other devices under appropriate conditions can reduce personal injury.
- Prevent accidental start. Ensure the switch in off position before connectin power supply and/or battery box, picking up or moving the tool. Putting fingers on the connected power switch or inserting plug when the switch is connected may cause danger.
- Before electric tool is connected, take off all adjustment keys or wrenches. The wrenches or keys left on rotating parts of electric tool will cause
- 5. Do not stretch hands too long. Always mind footing and body balance. so as to control electric tool in this way under unexpected circumstances
- 5. Dress properly, rather than wear loose clothes or accessories. Keep clothes. gloves and hair away from moving parts. Loose clothes accessories and long hair may get caught in moving parts.
- If a device for connecting with chip removal and dust collection equipment is provided, make sure they are connected well and used properly. The use of these devices may reduce the danger caused by dusts and chips.
- Do not treat lightly due to familiarity arising from frequent use of tools, or ignore tool safety guidelines. A careless action may cause serious injury in an instant.

Electric tool use and precautions

- Do not force the use of electric tool, but use an appropriate one according to applications. Choosing a properly designed electric tool will make your work more effective and safer
- If power supply of the tool cannot be connected or turned off by the switch. this electric tool cannot be used. Electric tool that cannot be controlled by the switch is dangerous and must be repaired.
- Before making any adjustment, replacing accessories or storing electric too unplug from the power and/or dismount battery pack (if detachable). Such protective measures will reduce the danger of accidental activation of the
- 4. Store unused electric tool out of the reach of children, and do not allow those who are unfamiliar with it and do not understand these instructions to operate it. Electric tool is dangerous in the hands of untrained users.
- 5. Maintain electric tool and its accessories. Check whether moving parts are adjusted in place or jammed, damage of parts and other conditions affecting running of electric tool. In case of damage, repair before using electric tool. Many accidents are caused by poorly maintained electric tools.

- 6 Keep cutting tools sharp and clean Properly maintained cutters with sharp cutting edges are not easily jammed and easy to control.
- . Choose the use of electric tool, accessories, tool cutter head in accordance with instruction manual while considering operation conditions and operations performed. Using electric tool for operations at variance with the applications may lead to danger
- Keep the handle and grip surface dry clean and free of grease. Under unexpected circumstances, wet and slippery handle cannot guarantee arip safety and tool control.

Electric tool is repaired by professional repair personnel using the same spare parts, which will ensure safety of electric tool repaired.

Wear earmuffs. Exposure to noise will cause hearing impairment.

Use auxiliary handle provided with the tool. Missing operation will cause personal injury.

When operating in the place where cutting accessories may touch concealed wires or their flexible wires, grip the tool through the insulated grip surface. If cutting accessories touch the live lead, the exposed meta parts of tool are live, and thus the operator will suffer electric shock.

3 Safety Warnings for Electric Drill

- 1. Perform impact work with earmuffs, since exposure to nois environment will cause hearing impairment.
- 2. Use an auxiliary handle, since loss of control will cause personal injur
- 3. Properly support the tool before use, since output torque of the tool is large, and without proper support during operation, it will lose contro and cause personal injury when running.
- 4. When operating in the place where drilling accessories may touch concealed wires or own leads, grip the tool through the insulated grip surface; if drilling accessories touch live leads, the exposed meta parts of tool are live, and thus the operator will suffer electric shock.
- 5. For the mixer, do not turn on and off the tool, unless the mixing device is in mixing materials, and failure to do so will cause loss of control and result in personal injury.

4 Installation Instruction & Function Explanation -

///Warning

Read all warnings, reminders and instructions. Failure to obey warnings, reminders and instructions may cause electric shock, fire and other serious iniuries

Open the machine decomposition diagram for reference when reading the operating guideline.

Safety instruction for machine

- 1. Wear earmuffs, as work noise will impair hearing.
- Uncontrolled electric tool is prone to cause injury
- 3. Detect hidden wires using suitable detective device, or seek support damage, but also lead to electric shock.
- stand securely, able to hold stably with both hands.
- than holding it with hands
- cleaner on the machine, add such apparatus as well.
- 8. The workplace must be kept clean. Different working dusts are easy to produce chemical reactions after mixing, which is very dangerous, and light metal dusts are easy to catch fire or cause explosion.
- 9. Do not put down the machine until waiting for electric tool to entirely stay still. The tool on machine may get clamped during work, thus making you lose control of electric tool.
- danger of electric shock to the user.

2 Please use the auxiliary handle attached with electric tool

from relevant local entities. Touching wires may cause fire and electric shock to the operator. A damaged gas pipe will cause explosion. Chiseling through water pipe will not only cause serious property

4. During work, firmly hold electric tool with both hands, and ensure to

5. Properly fix workpiece, and using a fixture or vise to fix is more sturdy

6. Do not process materials containing asbestos. Asbestos may cause

7. If machine operation will generate waste dusts that are harmful to health, flammable or may cause explosion, make sure to take proper preventive measures. For example, for some dusts that may cause cancer, make sure to wear a dust mask. If you can install a vacuum

10.Do not use electric tool with damaged wires. If power wires are damaged during work, do not touch the damaged wires and pull out the plug immediately, since the damaged wires will increase the

Install drill chuck

Remove protective sleeve of spindle, then take out drill chuck, and simply screw inner thread of chuck into the spindle clockwise till the end. Install and dismount drill bit

Note: Before installing and dismounting any drill bit or handle, make sure to upplug from power supply and the switch is off

Install drill bit insert drill bit into drill chuck, insert drill chuck key into small holes of drill chuck (there are three holes), and turn drill chuck key clockwise until drill bit is tightened

Dismount drill bit: insert drill chuck key into small holes of drill chuck (there are three holes) and turn drill chuck key counterclockwise to remove drill

Install side handle

Turn side handle clockwise to install it.

Install rear handle

Turn screw with Allen wrench to fix rear handle at the back of machine.

Function explanation

Note: Before inserting plug into power supply, check and confirm switch trigger acts flexibly and self-locking button in a pop-up state. Press switch trigger to start the tool, release trigger, and the tool shuts down and gradually stops movement

Press switch trigger, then press self-locking button, then release switch trigger and the tool is in a continuous running state. Press switch trigger. then release trigger after self-locking button pops up, and the tool shuts down and stops running gradually.

Efficient and safe drilling method

When drilling workpiece with larger thickness or harder materials, use proper coolant, otherwise it will reduce the service life of drill bit.

Use the machine as specified

Electric drill of this electric tool can perform normal drilling function on metal, wood and plastics, and serve as a mixer along with stirring rod.

Cargo No.		DL-DZ16-E1
Specification		φ16mm
Rated voltage		220V-240V~
Rated frequency		50Hz/60Hz
Rated power		1200W
No-load speed		1000r/min
Insulation level		Class II
Maximum drilling	Wood	φ36mm
diameter	Steel	φ16mm

- 1. Use safety glasses, preferably wear a mask in the event of lots of chips or dusts and make sure to always wear googles
- 2. Do not arbitrarily drill holes in machine parts during use to prevent electric leakage
- 3. When putting down electric drill after work, first confirm whether electric drill stops completely, otherwise it will damage other objects.
- 4. In case of accidental damp, damage caused by falling or natural damage after long-term use, please hand it over to a professional for repair in time, and use only after passing insulation test.
- 5. During use, ensure air inlet and outlet of the machine unclogged by debris to prevent from damaging the machine by heat.

Failures	Causes	Troubleshooting Methods
The motor does not rotate after the machine is powered on	 Power cut Loose connector Poor contact of switch Burnt armature or stator coil Open circuit of stator coil Electric brush used up 	 Repair power Check all joints Repair or replace switd Replace armature or s coil In case of breakage a outlet, use it after re-well otherwise rewinding is required Replace with a new pa electric brushes
The machine makes abnormal sound when power on, fails to rotate or rotates very slowly	 Switch contact burned out Mechanical part is jammed or moving and static parts rub Drill bit engages with or hits rebar Loose special nut Small amount of short circuit or open circuit in armature Chips are jammed when drilling deep holes Too low power supply voltage 	 Stop advancing or che a drilling position separat Send to repair depart for repair
Excessive heat on housing surface	 Excessive load or sluggish drill bit Humid winding Inaccurate assembly, armature running failure Power supply voltage declines 	 Replace drill bit Stop advancing Repair or replace arma Adjust power supply volume
Commutator produces ring fire or large sparks		 Repair armature Improve its contact Remove debris and ma commutator surface smo and clean
Overheating reduction gearbox	 Lack of lubricating grease or dirty lubricating grease in gearbox Bad accessories of transmissi- on part or debris falling inside 	 Add or replace lubricat oil Check transmission pa clear away debris

Remarks: Non-professionals shall not disassemble the machine for repair to avoid machine failure caused by improper repair

5 Troubleshooting

6 Repair & Service

eakage at the er re-welding,

place switch nical part g or choose separately department

lace armature I bit and clear

ace armature supply voltage

Repair and cleaning

- . Before repairing electric tool or replacing parts and accessories, make sure to unplug from the socket
- Keep both electric tool and ventilation gap clean to improve work quality and safety
- If dust cover is damaged, replace it immediately, and preferably entrust the customer service of our company to replace it.

Clean tool connector after completion of each operation.

All electric tools of the company have undergone strict quality inspection. If the machine still fails, please deliver it to customer service authorized by the company for repair.

When inquiring and ordering accessories, make sure to provide models of the machine parts.

Waste disposal

Recycle the damaged machine, accessories and waste packaging materials in an eco-friendly manner.

Service and customer inquirv

For relevant machine decomposition diagram, spare part data and other relevant warranty, repair or part replacement matters, please consult a qualified dealer.

Product Warranty Card

Dear users :

Thank you for buying our products. In order to ensure your profit, users who buy our products can contact local distributor or Specified repair stations with invoice and warranty cards if the product failures due to quality problems.

Warranty Notice:

1.From ______ (Year/Month/Day) to _____ Year/Month/Day)

If the failure happen in normal use, our company will provide free warranty, parts replacement and other services according to the failure situation.

2 This warranty card and purchase invoice are the youcher of after-sales service provided by our company to customers. The card must be detailed only after filling in the following form and affixing the official seal with the distributor

3.In one of the following cases, free warranty service will be invalid, and maintenance fees will be required:

1) Exceed the expiration date:

(2) Failure or damage caused by not following the requirements of the product manual, maintenance or improper storage;

(3) Failure or damage caused by disassembling, repairing or modification of the product without the permission of our company:

(4) Machine breakdown or damage caused by force majeure;

5) Consumable accessories.

This card is issued with the product. One card for one machine, to ensure that you can fully enjoy the right to free warranty service provided by the company, please keep this card properly, lost will not be replaced.

Purchase Date: _____ (Year/Month/Day)

NINGBO DELI TOOLS CO., LTD. No. 128 Chezhan West Road, Huangtan Town, Ninghai County, Ningbo, Zhejiang, China delitoolsglobal@nbdeli.com www.delitoolsglobal.com +86 574 87562689 MADE IN CHINA

Product Certificate Inspector

Date of manufacture