



ATD-10538 3/8" Electric Drill



Tool specifications:

Rated Voltage: (V)	120
Rated Frequency: (Hz)	60
Rated current: (A)	3.3
No-load Speed: (RPM)	0-2700
Speed Selection:	Yes
Right/Left Rotation:	Yes
Chuck Size:	3/8" (10 mm)
Drilling Capacity (max):	
- Steel:	3/8" (10 mm)
- Wood:	3/4" (20 mm)
Net Weight:	3 lbs (1.4kg)

WARNING – To reduce the risk of injury, please read this instruction manual before use.

Intended use

The ATD10538 drill is intended for impact drilling in brick, concrete as well as for drilling in wood, metal, ceramic and plastic.

Electrical safety

The electric motor has been designed for 120V only. Always check that the power supply corresponds to the voltage on the rating plate.



Double insulation

This tool is double insulated in accordance with EN60745; therefore no earth (ground) wire is required.

General safety rules for work with electric tools

Read and understand all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury. The term “power tool” in the warnings listed below refers to your electrically operated (corded) power tool or battery operated (cordless) power tool.

Safety warning and precautions

Save this manual. You will need the manual for the safety warning and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Read these instructions before operating this product. Save this instruction and follow them to reduce the risk of fire, and personal injury.

1. Work area.

- a) **Keep your work area clean and well lit.** Cluttered benches and 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 bystanders, children, and visitors 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 earthed (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) **Don't 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 to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately. Damaged cords increase the risk of electric shock.
- e) **When operating a power tool outside, use an outdoor extension cord marked "W-A" or "W".** These cords are rated for outdoor use and reduce 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 tool while 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 safety equipment. Always wear eye protection.** Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
- c) **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.
- d) **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
- e) **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
- f) **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, 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 is 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 before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.
- d) **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
- e) **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools, with sharp cutting edges are less likely to bind and are easier to control.
- 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 tools, accessories and tool bits etc. in accordance with these instructions and in the manner intended for the particular type of power tools, taking into account the working conditions and the work to be performed.** Use of the power tools for operations different from intended could result in a hazardous situation.

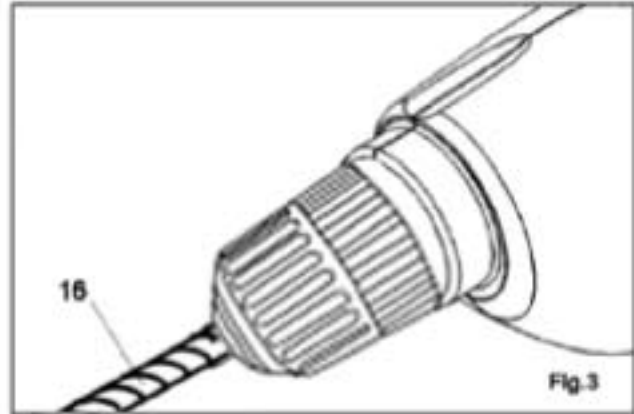
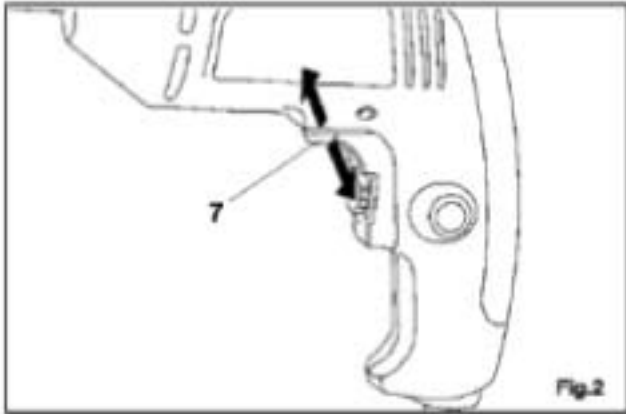
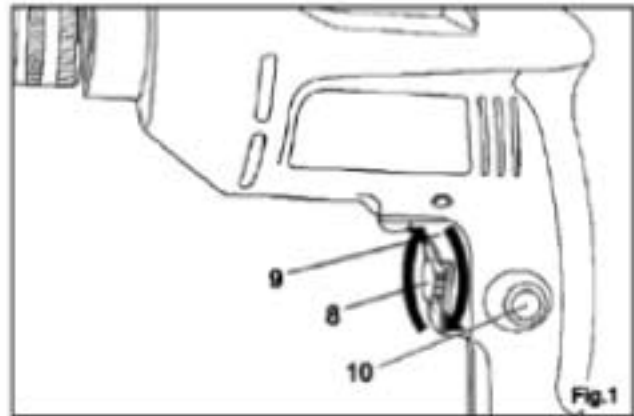
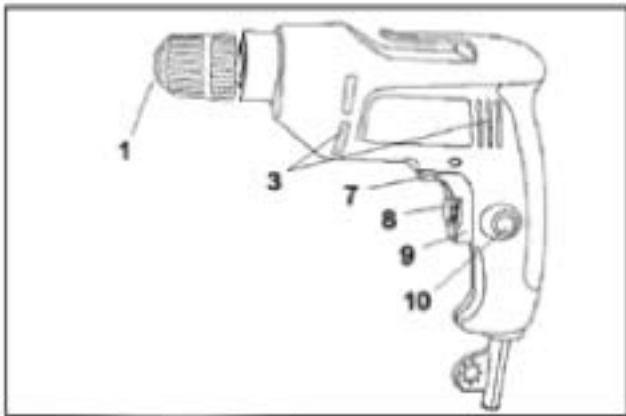
5. Service.

- 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 tools is maintained.

Additional safety regulations

WARNING: Remove the plug from socket before carrying out any installation, adjustment, servicing or maintenance.

- (1) Stay alert and use common sense when operating the tool. Do not use the tool when tired or under influence of drug, alcohol or medicine.
- (2) Never put fingers on the switch button while moving the tool to avoid unintentional starting of the tool.
- (3) Ensure the mounting screws and other assemblies are fixed properly and securely before operate the tool. Turn on the switch and let the tool work for 30 second in a safe position. Stop immediately if considerable vibration or other defects are detected, have it repaired.



Description

1. Chuck
3. Ventilation slots
7. Forward / Reverse switch
8. Speed selector thumbwheel
9. Switch
10. Lock button

Applications

(Use only for the purposes listed below.)

- Drilling wood, materials and resin boards.
- Drilling metal steel brass, aluminum sheets, stainless steel & pipe.

Noise build-up

Noise (sound pressure level) in the workplace can exceed 85 dB. in this case, sound insulation and hearing protection measures must be taken by the operator.

Initial Operating

Always use the correct supply voltage: The power supply voltage must match the information quoted on the tool identification plate.

Switch (Fig.1)

This tool is started and stopped by pressing and releasing the switch (9). The speed can be adjusted in the high gear or in the low gear, by controlling the on/off-pressing force.

Stepless Speed Control



The machine runs with variable speed between 0 and maximum depending on the pressure applied to the switch (9). Light pressure results in a low rotational speed thus allowing smooth, controlled starts. Do not load the machine so heavily that it comes to a standstill.

Speed Selection

With the thumbwheel (8) the required speed can be selected (also while running). The required speed is dependent on the material and can be determined with practical trials.

After longer periods of working at low speed, allow the machine to cool by running for approx. 3 minutes at maximum speed with no load.

Continuous Use

Switch on:

Press switch (9) and retain with lock button (10).

Switch off:

Press and release switch (9).

Changing the rotation direction (Fig.2)

Operate the rotation direction switch only at a standstill.

With the rotational direction switch (7), the rotational direction of the machine can be switched (when the switch (9) is operated, the rotation direction switch is locked).

Right Rotation

Press the rotational direction switch (7) through to the right stop (for drilling, impact drilling, riving screws, etc).

Left Rotation

Press the rotational direction switch (7) through to the left stop (for loosening and unscrewing and nuts).

Mounting and removing the bit (Fig.3)

Insert the bit (16) into the keyless chuck (1) as far as it will go. While holding stationary base of chuck, with one hand, tighten the moveable portion of the keyless chuck with your other hand until bit is firmly held in place. Be sure that the bit does not move and is held by all three jaws as you tighten the chuck.

Operating

Never cover the ventilation slots (3) since they must always be open for proper motor cooling.

Drilling in wood

To prevent ugly splits around the drill hole on the reverse side of the workpiece, put a piece of scrap lumber under the work piece.

Drilling in metal

Metals such as steel brass, aluminum sheets, stainless steel, and pipe may also be drilled. Mark the point to be drilled with a nail or punch.

Maintenance

After use, check the tool to make sure that it is in top condition. It is recommended that you take this tool to a qualified Service Center for a thorough cleaning and lubrication at least once a year.

Do not make any adjustments while the motor is in motion.

Always disconnect the power cord from the receptacle before (blade, bit, sanding paper etc.), lubricating or working on the unit.

Before performing any work on the drill itself, unplug it from the power supply and inspect the drill bit.

Continued use of a worn and or damaged drill bit will result in reducing drilling efficiency and may seriously overload the drill motor. Inspect the drill bit often and replace it with a new bit as necessary.

Inspect the mounting screws

Regularly inspect all mounting screws and ensure that they are properly tightened. Should any of the screw be loose, tighten them immediately. Failure to do so could result in personal injury.

The brushes should be checked periodically and worn-out brushes should be replaced in time.

After replacing, inspect whether the new brushes can move freely in the brush holder. Keep running the motor for 15 minutes to match the contact of the brushes and commutator.

Keep the ventilation slots clear from dirt, clean off the accumulated dust and oil dirt periodically.

During normal operation, if anything happens, the power supply should be cut off at once and the tool should be checked and repaired.

CAUTION: Only qualified serviceman can repair the tool.



Wear hearing protection.



Wear eye protection.



Wear respiratory protection.



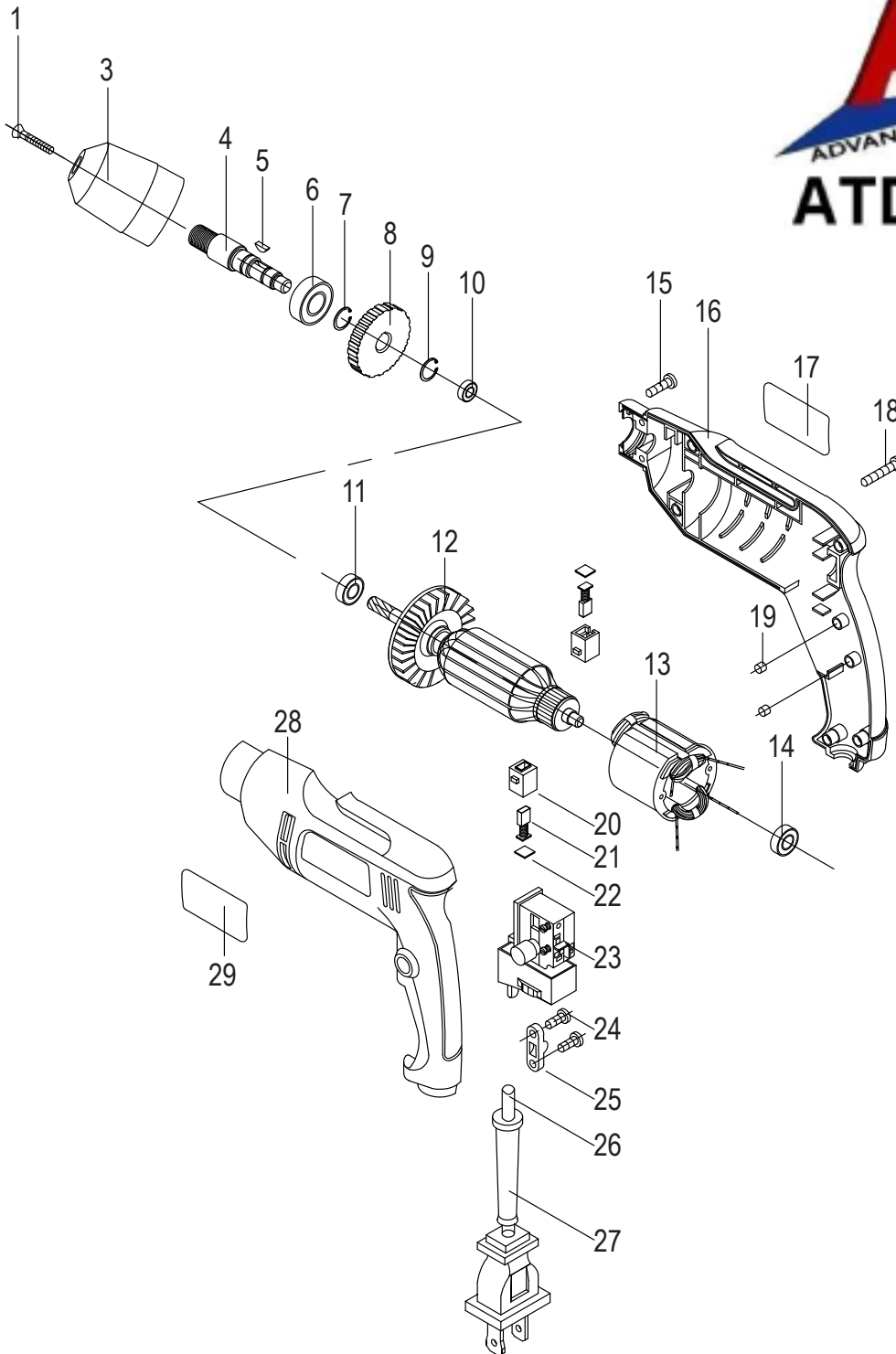
WARNING! To ensure safety and reliability, all repairs should be performed by an authorized service center or other qualified service organization.

ENVIRONMENTAL PROTECTION



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local Authority or retailer for recycling advice.





ITEM #	ORDERING PART#	PART DESCRIPTION
1	PRT10538-01	CHUCK SCREW (LEFT)
3	PRT10538-03	KEYLESS CHUCK
4	PRT10538-04	SPINDLE
5	PRT10538-05	KEY
6	PRT10538-06	BALL BEARING
7	PRT10538-07	CIRCLIP
8	PRT10538-08	GEAR
9	PRT10538-09	CIRCLIP
10	PRT10538-10	BALL BEARING
11	PRT10538-11	BALL BEARING
12	PRT10538-12	ARMATURE
13	PRT10538-13	STATOR
14	PRT10538-14	BALL BEARING
15	PRT10538-15	SCREW

ITEM #	ORDERING PART#	PART DESCRIPTION
16	PRT10538-16	HOUSING ASSEMBLY
17	PRT10538-17	RATING LABEL
18	PRT10538-18	SCREW
19	PRT10538-19	RUBBER PIN
20	PRT10538-20-22	BRUSH HOLDER & CAP, PAIR
21	PRT10538-21	CARBON BRUSH, PAIR
22	PRT10538-20-22	BRUSH HOLDER & CAP, PAIR
23	PRT10538-23	SWITCH
24	PRT10538-24	SCREW
25	PRT10538-25	CORD CLAMP
26	PRT10538-26	POWER CORD
27	PRT10538-27	CORD SLEEVE
28	PRT10538-28	HOUSING ASSEMBLY
29	PRT10538-29	BRAND LABEL