

APT1009



Owner's Manual

19.2V Cordless Drill

WITH 92 VARIOUS ACCESSORIES



READ AND SAVE THESE INSTRUCTIONS!

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19.2V Cordless Drill

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WARNING! READ AND UNDERSTAND ALL SAFETY PRECAUTIONS IN THIS MANUAL BEFORE OPERATING. FAILURE TO COMPLY WITH INSTRUCTIONS IN THIS MANUAL COULD RESULT IN PERSONAL INJURY, PROPERTY DAMAGE, AND/ OR VOIDING OF YOUR WARRANTY. ALL POWER AMERICA WILL NOT BE LIABLE FOR ANY DAMAGE BECAUSE OF FAILURE TO FOLLOW THESE INSTRUCTIONS.

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Safety Guidelines - Definitions

This manual contains important information that you need to know and understand in order to protect YOUR SAFETY and to PREVENT EQUIPMENT PROBLEMS. The following symbols help you recognize this information. Please read the manual and pay attention to these sections.



WARNING! WARNINGS INDICATE A CERTAINTY OR STRONG POSSIBILITY OF PERSONAL INJURY OR DEATH IF INSTRUCTIONS ARE NOT FOLLOWED.



CAUTION: CAUTIONS INDICATE A POSSIBILITY OF EQUIPMENT DAMAGE IF INSTRUCTIONS ARE NOT FOLLOWED.



Note: Notes give helpful information.



WARNING! IMPROPER OPERATION OR MAINTENANCE OF THIS PRODUCT COULD RESULT IN SERIOUS INJURY AND PROPERTY DAMAGE. READ AND UNDERSTAND ALL WARNINGS AND OPERATING INSTRUCTIONS BEFORE USING THIS EQUIPMENT. WHEN USING AIR TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF PERSONAL INJURY.

Save These Important Safety Instructions!

Read and understand all of these safety instructions. Be sure to retain them for future use.



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General Precautions



WARNING! FAILURE TO FOLLOW THESE INSTRUCTIONS CAN RESULT IN SEVERE INJURY OR DEATH.



CAUTION: FAILURE TO FOLLOW THESE INSTRUCTIONS CAN ALSO RESULT IN DAMAGE TO THE TOOL AND/OR THE ITEM YOU ARE WORKING ON.

- Verify that the power supply in your area is compatible with the voltage listed on the tool's label.
- Check the tool, cord, and plug for damage before each use.
- Make sure the tool is turned off before connecting the electrical cord.
- Always start the tool before setting it against the piece you are working on.
- Watch for and avoid potential electrocution hazards. Avoid bodily contact with grounded objects such as metal pipes, radiators, cooking ranges, refrigerators, and so forth when using the tool. Never work on any item that is connected to a live electrical circuit. Always disconnect electrical items before working on them.
- Large temperature variations cause condensation, which can increase the hazard of electrocution and/or internal corrosion. Allow the tool to adjust to the temperature of the work area for several minutes before each use.
- Do not use this tool, its charger, or any accessory for any purpose other than those for which they have been specifically designed.
- Secure all items you are working on. Use clamps, vices, or other securing devices as needed.
- Never wear jewelry or loose clothing that can become entangled in moving parts. Tie or otherwise secure long hair away from the tool and work area. Always wear fitted clothing and any protective items that may be necessary such as gloves, goggles, etc.
- Always wear protective goggles when using this tool.
- If working around dust, splinters, or shavings, wear a protective mask to avoid inhalation hazards.
- Always wear ear protection.

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General Precautions (cont'd)

- Be sure you always have sure footing, especially when working on ladders and scaffolding.
- Keep electric tools away from humidity and rain. Do not immerse.
- When working outdoors, only use tools and extension cables designed and approved for outdoor use.
- Do not use the equipment in any areas where any danger of fire or explosion exists. Keep batteries away from heat and allow to cool if warm.
- If the tool requires repair, be sure to have all work performed by a qualified technician.



WARNING! CONSUMING ALCOHOL, MEDICATION, OR DRUGS, OR HEALTH PROBLEMS SUCH AS ILLNESS, FEVER, OR FATIGUE, AFFECT YOUR ABILITY TO PLAN AND REACT. NEVER USE ANY ELECTRICAL EQUIPMENT WHILE UNDER THE INFLUENCE OF ALCOHOL, DRUGS, HEALTH PROBLEMS, OR FATIGUE.

- Keep all electric tools away from children.
- Store electric tools in the original box in a clean dry location out of the reach of children.
- Always unplug the power cable when the tool is not in use or when you are taking breaks or changing accessories.
- Never carry the tool by the cable. Never unplug the tool by pulling on the cable.
- When working, do not allow the motor to stall under the load.
- Keep your work place tidy. Untidiness can cause accidents!
- Avoid abnormal body postures while working.
- Make sure not to start the tool unintentionally.
- Do not leave keys, spanners, adjusting tools, etc. inserted in the machine.

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Additional Warnings



WARNING! THE FOLLOWING EXTRA SAFETY INSTRUCTIONS REFER TO THE CORDLESS DRILL ONLY AND MUST BE OBSERVED IN ADDITION TO THE GENERAL PRECAUTIONS OUTLINED ABOVE.

- **Secure the bit:** Make sure that the drill bit, or screwdriver bit is firmly held by the chuck.
- **Drill bit:** Always use sharp, good-quality drill bits. The performance and safety of the drill depends on the quality of the bits used.
- **Drilling in metal:** When drilling into metal, the materials being drilled will become hot. To reduce overheating, use a suitable cooling lubricant. No coolant is necessary when drilling cast iron, or brass as they should be drilled dry.
- **Select the correct speed:** As a general rule, you should use low speeds for large size drill bits and higher speeds for smaller drill bits.
- **Direction of rotation:** Never change the direction of rotation while the drill is in operation.
- **Breakthrough:** Be prepared for the breakthrough of the drill bit when drilling. The drill bit may bind on breakthrough and cause loss of control.
- **Lock directional control switch OFF:** Before removing, or installing a battery pack, drill bit, or screwdriver bit, or making any adjustments to the torque setting, make sure that the direction selector is in the central locked off position.
- **Live electrical wires:** When drilling holes, or driving screws into walls, floors etc., make sure that there are no live electrical wires in the path of the bit.



WARNING! BEFORE REMOVING, OR INSTALLING A DRILL BIT OR SCREWDRIVER BIT, MAKE SURE THAT THE DIRECTION SELECTOR IS IN THE CENTRAL LOCKED OFF POSITION.

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Battery

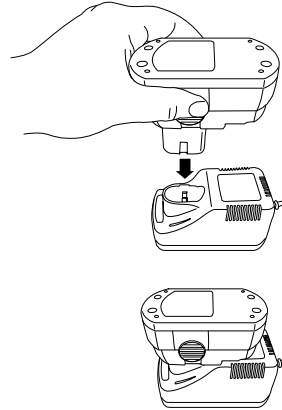
Inserting the battery

Insert the battery pack into the tool handle.

Charging the battery

Align the tongue on the battery pack with the groove inside the charger. Make sure that the terminals of the battery pack and the charger match. The charger's red light will illuminate to indicate that the battery is being charged.

Make sure to charge the battery for at least 5 hours prior to using the tool for the first time. During each subsequent charging, be sure to allow at least 3 hours.



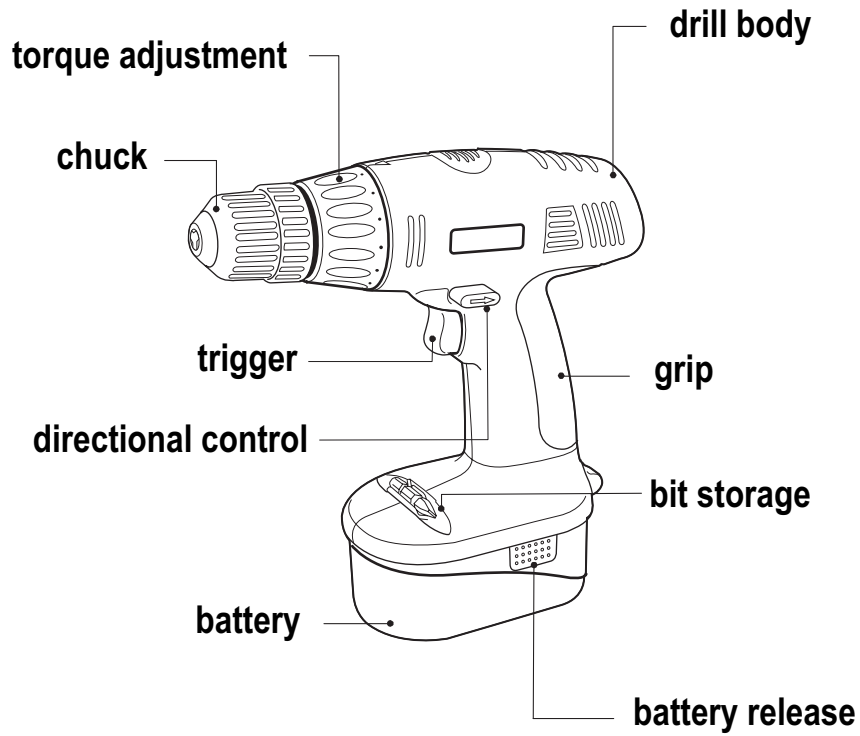
Note: Be sure to charge batteries for the full indicated time, to avoid reducing capacity due to the memory effect.

Discharging the battery

Use the tool until it loses all effective power before recharging the battery. Recharging partially used batteries may eventually cause a memory effect that will prevent batteries from accepting their full capacity. Making sure to charge batteries completely before use and discharge them completely before recharging will help them preserve their full capacity.

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Operation



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Operation (cont'd)

Specifications

Item	Value
DC	19.2V
No-load speed	0-650 RPM
Torque control ring	19+1 positions
Chuck	3/8"

Inserting drill or driver bits

To insert a drill bit, or screwdriver bit, proceed as follows.

- 1 Hold the chuck collar with one hand.
- 2 With the other hand, rotate the chuck sleeve counterclockwise until the chuck jaws are open sufficiently to accept the bit.
- 3 Place the bit in the jaws as far as it will go.
- 4 Rotate the chuck sleeve in a clockwise direction until the bit is securely held.
- 5 To remove the bit from the chuck, proceed as follows.
- 6 Rotate the chuck sleeve counterclockwise.
- 7 When the bit is released, remove it.

This cordless drill includes a screwdriver bit locating slot on the top of drill for storage purposes.



Note: Replacement drill bits and screwdriver bits can be obtained from most tool or DIY stores.

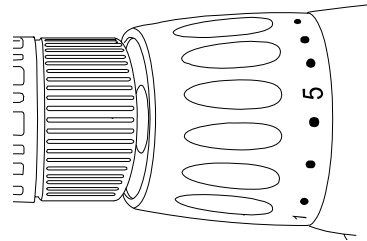
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Operation (cont'd)

Torque adjustments

The drill is fitted with a torque setting ring to vary the amount of torque produced when drilling or screwdriving.

- 1 Select the setting by rotating the torque setting ring to align with the torque setting indicator.
- 2 The torque is lowest when setting 1 is selected and highest when setting 19 is selected.



WARNING! BEFORE ADJUSTING THE TORQUE SETTING, MAKE SURE THAT THE DIRECTION SELECTOR IS IN THE CENTRAL LOCKED OFF POSITION.

- 3 When the 1 symbol is selected, the clutch is designed not to slip and therefore most drilling applications should be performed on this setting. As a guide for drilling, lower torque settings will be most effective for drilling smaller holes and/or in softer materials, and higher settings for larger holes and/or harder materials.
- 4 To select the correct torque setting for screwdriving, first set the torque setting ring to position 1.
- 5 Fit and tighten the first screw.
- 6 If the clutch starts to slip before the screw is correctly seated, rotate the setting ring to a higher number until the clutch slips only when the head of the screw is flush with the surface of the material.
- 7 The 19 settings are provided to vary the amount of torque available to seat screws of different sizes in a variety of materials.

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Operation (cont'd)

Using the directional control switch

The direction control switch is used to alter the direction of rotation of the drill.

- 1 The direction of rotation is selected by moving the directional control switch to either side of the drill.
- 2 For all drilling applications, the drill must be operated in the forward direction.
- 3 If your drill bit jams while drilling, release the trigger switch and, when the drill has come to a complete stop, move the directional control switch to the reverse position. Squeeze the trigger switch and the drill bit should then release.
- 4 The reverse direction should also be used for removing screws.



WARNING! THE DIRECTIONAL CONTROL SWITCH IS ALSO USED AS THE SAFETY LOCKED OFF BUTTON TO LOCK THE TRIGGER SWITCH IN THE OFF POSITION WHEN THE DRILL IS NOT BEING USED OR ADJUSTMENTS ARE BEING MADE TO THE SPEED OR TORQUE SETTINGS. THIS IS AN IMPORTANT SAFETY FEATURE AND MUST BE OBSERVED.

Operating the trigger switch

The trigger switch is used to start the drill. It also controls the speed at which it operates.

- 1 Make sure that the directional control switch is positioned in either the forward, or reverse position. The trigger switch will not operate if the directional control switch is in the central locked off position.
- 2 Squeeze the trigger switch and the drill will start.
- 3 Chuck speed is increased by increasing the pressure on the trigger switch.
- 4 The chuck speed will increase up to a maximum of 650 rpm.

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Operation (cont'd)

Operating the trigger switch (cont'd)

- 5 To reduce the speed of the chuck, decrease the pressure on the trigger switch.
- 6 Release the trigger switch to stop the drill.



WARNING! WHEN THE TRIGGER IS RELEASED, THE DRILL WILL CONTINUE TO ROTATE FOR A SHORT TIME.

Drilling

When drilling, the following points should be observed:

- 1 Always use sharp, good quality drill bits. The performance of your drill depends on the quality of the bits used.
- 2 Reduce the pressure on the drill bit when it is about to break through. This will prevent the drill from jamming.
- 3 If the drill bit does jam on breakthrough, release the trigger switch and when the motor has come to a complete standstill, reverse the direction of rotation and slowly operate the trigger switch.
- 4 If drilling a large hole, first drill a pilot hole using a smaller drill bit.
- 5 Always apply pressure to your drill bit in a straight line and, where possible, at right angles to the workpiece.
- 6 When drilling holes or driving screws into walls, floors etc., always make sure that there are no live electrical wires in the path of the bit.
- 7 When drilling in metal, the materials being drilled can become hot. To reduce overheating use a suitable cooling lubricant. No cooling lubricant is necessary when drilling cast iron or brass as they should be drilled dry.
- 8 To prevent the drill bit from slipping when starting to drill a hole in metal, use a center punch to make an indentation at the start point.

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Operation (cont'd)

Drilling (cont'd)

- 9 When drilling in wood, clamp a piece of scrap wood to the underside of the material to avoid splintering.
- 10 Large holes should be drilled with wood augers, flat wood bits or hole saws.

Driving

When screwdriving the following points should be observed.

- 1 Place the point of the screwdriver bit in the head of the screw and apply light pressure to the drill.
- 2 Start the drill slowly and then gradually increase the speed.
- 3 Release the trigger switch when the clutch operates.
- 4 If the screw head is not flush with the material, increase the torque by adjusting the torque setting ring and start again.
- 5 Make sure that the screwdriver bit is inserted straight and upright in the screw head, or the screw may be damaged.
- 6 When driving wood screws, pre-drill pilot holes to make driving easier and to prevent splitting the material.
- 7 Select forward rotation to drive screws in and reverse rotation to take them out.

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Maintenance

This tool is intended for non-professional home use under the following conditions:

- Do not use this tool for more than 15 continuous minutes followed by 15 minutes resting time for the tool to cool off. Do not use this tool for more than 60 minutes total per day.
- Clean the tool with a rag dampened with clean water. Do not use chemicals or soap. Do not allow water to get inside the drill.
- Make sure the vent passages remain clear of dust and debris to avoid overheating the tool.
- Store the tool in a clean dry place.
- All repairs must be performed by a qualified electrician.
- Opening the tool voids the warranty.

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Limited Warranty

All-Power America warrants to the original purchaser who uses the product in a consumer application (personal, residential or household usage) that all products covered under this warranty are free from defects in material and workmanship for one year from the date of purchase. All products covered by this limited warranty which are used in commercial applications (i.e. income producing) are warranted to be free of defects in material and workmanship for 90 days from the date of original purchase. Products covered under this warranty include air compressors, air tools, service parts, pressure washers, and generators.

All-Power America will repair or replace, at All-Power America's sole option, products or components which have failed within the warranty period. Service will be scheduled according to the normal work flow and business hours at the service center location, and the availability of replacement parts. All decisions of All-Power America with regard to this limited warranty shall be final.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

RESPONSIBILITY OF ORIGINAL PURCHASER (initial User):

- To process a warranty claim on this product, DO NOT return item to the retailer. The product must be evaluated by an Authorized Warranty Service Center. For the location of the nearest Authorized Warranty Service Center contact the retailer or place of purchase.
- Retain original cash register sales receipt as proof of purchase for warranty work.
- Use reasonable care in the operation and maintenance of the product as described in the Owners Manual(s).
- Deliver or ship the product to the nearest Authorized Warranty Service Center. Freight costs, if any, must be paid by the purchaser.
- Air compressors with 60 and 80 gallon tanks will be inspected at the site of installation. Contact the nearest Authorized Warranty Service Center that provides on-site service calls for service call arrangements.
- If the purchaser does not receive satisfactory results from the Authorized Warranty Service Center, the purchaser should contact All-Power America.

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Limited Warranty (cont'd)

THIS WARRANTY DOES NOT COVER:

- Merchandise sold as reconditioned, used as rental equipment, or floor or display models.
- Merchandise that has become damaged or inoperative because of ordinary wear, misuse, cold, heat, rain, excessive humidity, freeze damage, use of improper chemicals, negligence, accident, failure to operate the product in accordance with the instructions provided in the Owners Manual(s) supplied with the product, improper maintenance, the use of accessories or attachments not recommended by All-Power America, or unauthorized repair or alterations.
- Repair and transportation costs of merchandise determined not to be defective.
- Costs associated with assembly, required oil, adjustments or other installation and start-up costs.
- Expendable parts or accessories supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.
- Merchandise sold by All-Power America which has been manufactured by and identified as the product of another company, such as gasoline engines. The product manufacturer's warranty, if any, will apply.
- ANY INCIDENTAL, INDIRECT OR CONSEQUENTIAL LOSS, DAMAGE, OR EXPENSE THAT MAY RESULT FROM ANY DEFECTS, FAILURE OR MALFUNCTION OF THE PRODUCT IS NOT COVERED BY THIS WARRANTY. Some states do not allow the exclusion, so it may not apply to you.
- IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO ONE YEAR FROM THE DATE OF ORIGINAL PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

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