

Genesis

GCQD38A

3/8" Close-Quarter Drill

Perceuse de 10mm de faibles dimensions

Taladro para espacios reducidos de 3/8"

Operator's Manual

Manuel d'utilisation

Manual del Operario



TOLL FREE
HELP LINE:

888-552-8665

WEBSITE: www.genesispowertools.com

3/8" CLOSE-QUARTER DRILL Operator's Manual

3.5A

SPECIFICATIONS

- Model#: ----- GCQD38A
- Rated Power: ----- 120 V~/ 60Hz, 3.5 Amps
- No-Load Speed: ----- 0-1600 RPM, Reversible
- Chuck Size: ----- 3/8" (10mm)
- Cord Length: ----- 6-1/2'
- Net weight: ----- 5 Lbs

Includes: Chuck key

⚠ WARNING: To reduce the risk of injury, user must read and understand this operator's manual before operating this tool. Save this Manual for future reference.

Toll-Free Help Line: 1-888-552-8665



⚠ WARNING: The Operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning tool operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.



Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.

GENERAL SAFETY RULES

⚠ WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

⚠ WARNING: Read and understand all warnings, cautions and operating instructions before using this equipment. Failure to follow all instructions listed below may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

WORK AREA SAFETY:

- **Keep your work area clean and well lit.** Cluttered benches and dark areas invite accidents.
- **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.
- **Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

ELECTRICAL SAFETY

- **Power tool plugs must match the outlet.** Never modify the plug in any way. Do not use any adapter plugs in any earthed (grounded) power tools. Double insulated tools are equipped with a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way. Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.
- **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
- **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
- **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 cords increase the risk of electric shock.
- **When operating a power tool outside, use an extension cord suitable for outdoor use.** These cords are rated for outdoor use and reduce the risk of electric shock.
- **Do not use AC only rated tools with a DC power supply.** While the tool may appear to work. The electrical components of the AC rated tool are likely to fail and rate a hazard to the operator.

PERSONAL SAFETY

- **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.
- **Use safety equipment.** Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions will reduce personal injuries.
- **Dress properly.** Do not wear loose clothing or jewelry. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewelry or long hair can be caught in moving parts. Air vents may cover moving parts and should be avoided.
- **Avoid accidental starting.** Ensure the switch is in the off position before plugging in. Carrying power tool with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- **Remove any adjusting keys or wrenches before turning the power tool on.** A wrench or key that is left attached to a rotating part of the tool may result in personal injury.
- **Do not overreach.** Maintain proper footing and balance at all times. Loss of balance can cause an injury in an unexpected situation.
- **If devices are provided for connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of these devices can reduce dust related hazards.

- **Do not use a ladder or unstable support.** Stable footing on a solid surface enables better control of the tool in unexpected situations.
- **Keep tool handles dry, clean and free from oil and grease.** Slippery handles cannot safely control the tool.

TOOL USE AND CARE

- **Secure the workpiece.** Use clamp or other practical way to hold the workpiece to a stable platform. Holding the workpiece by hand or against your body is unstable and may lead to loss of control.
- **Do not force the power tool.** The tool will perform the job better and safer at the feed rate for which it is designed. Forcing the tool could possibly damage the tool and may result in personal injury.
- **Use the correct power tool for the job.** Don't force the tool or attachment to do a job for which it is not designed.
- **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired or replaced by an authorized service center.
- **Turn power tool off, and disconnect the plug** from the power source and/or battery pack from the power tool before making any adjustments, changing the accessories, or storing the tools. Such preventive safety measures reduce the risk of an accidental start up which may cause personal injury.
- **Store idle tool out of reach of children and other inexperienced persons.** It is dangerous in the hand of untrained users.
- **Maintain power tools with care.** Check for proper alignment and binding of moving parts, component breaks, and any other conditions that may affect the tool's operation. A guard or any other part that is damaged must be properly repaired or replaced by an authorized service center to avoid risk of personal injury.
- **Use recommended accessories.** Using accessories and attachments not recommended by the manufacturer or intended for use on this type tool may cause damage to the tool or result in personal injury to the user. Consult the operator's manual for recommended accessories.
- **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
- **Feed the workpiece in the correct direction and speed.** Feed the workpiece into a blade, cutter, or abrasive surface against the direction of the cutting tool's direction of rotation only. Incorrectly feeding the workpiece in the same direction may cause the workpiece to be thrown out at high speed.
- **Never leave the tool running unattended, turn the power off.** Do not leave the tool until it comes to a complete stop.
- **Never start the power tool when any rotating component is in contact with the workpiece.**

SERVICE

- **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.
- **Service your power tool periodically.** When cleaning a tool, be careful not to disassemble any portion of the tool since internal wires may be misplaced or pinched.

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SAVE THESE INSTRUCTIONS

EXTENSION CORDS

Grounded tools require a three wire extension cord. Double insulated tools can use either a two or three wire extension cord. As the distance from the power supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible tool damage. Refer to the table shown below to determine the required minimum wire size.

The smaller the gauge number of the wire, the greater the capacity of the cord. For example: a 14-gauge cord can carry a higher current than a 16-gauge cord. When using more than one extension cord to make up the total length, be sure each cord contains at least the minimum wire size required. If you are using one extension cord for more than one tool, add the nameplate amperes and use the sum to determine the required minimum wire size.

Guidelines for Using Extension Cords

- If you are using an extension cord outdoors, be sure it is marked with the suffix “W-A” (“W” in Canada) to indicate that it is acceptable for outdoor use.
- Be sure your extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified person before using it.
- Protect your extension cords from sharp objects, excessive heat, and damp or wet areas.

Recommended Minimum Wire Gauge for Extension Cords (120 Volt)						
Nameplate Amperes (At Full Load)	Extension Cord Length					
	25 Feet	50 Feet	75 Feet	100 Feet	150 Feet	200 Feet
0–2.0	18	18	18	18	16	16
2.1–3.4	18	18	18	16	14	14
3.5–5.0	18	18	16	14	12	12
5.1–7.0	18	16	14	12	12	10
7.1–12.0	18	14	12	10	8	8
12.1–16.0	14	12	10	10	8	6
16.1–20.0	12	10	8	8	6	6

SPECIFIC SAFETY RULES FOR DRILLS

⚠ WARNING: DO NOT LET COMFORT OR FAMILIARITY WITH PRODUCT (GAINED FROM REPEATED USE) REPLACE STRICT ADHERENCE TO PRODUCT SAFETY RULES. If you use this tool unsafely or incorrectly, you can suffer serious personal injury!

- **Hold the tool by insulated gripping surfaces when performing an operation** where the cutting tool may contact hidden wiring or its own cord. Contact with a “live” wire will make exposed metal parts of the tool “live” and shock the operator. Do not drill, fasten or break into existing walls or other blind areas where electrical wiring may exist. If this situation is unavoidable, disconnect all fuses or circuit breakers feeding this work site.
- **Always use safety glasses or goggles.** Ordinary eye or sun glasses are NOT safety glasses. USE CERTIFIED SAFETY EQUIPMENT. Protective eyewear should comply with ANSI Z87.1 standards. Use a dust mask or respirator for operations which generate dust.
- **Wear ear/hearing protectors** when using this tool for extended periods. Prolonged exposure to high intensity noise can cause hearing loss.
- **Hold the tool firmly** to prevent injury that may result from loss of control because of high rotational force.
- **Always be sure you have firm footing** and check to see no one is below when using the tool in high locations.
- **Do not hold the tool or place your hands near the rotating chuck or drill bit.** Contact with any moving parts may result in personal injury.

- **Always check that the material being drilled is secure and clamped in place** if necessary to prevent any movement. An unstable workpiece can cause the drill bit to bind, causing loss of control and injury.
- **Never hold the workpiece in your hand, lap or against other parts of the body** when drilling. Contact with the drill bit can cause injury.
- **Always position the cord away from the rotating bit and DO NOT wrap the cord around your arm or wrist.** If the cord is caught by the rotating bit or chuck you may lose control of the drill and become entrapped by the cord, causing personal injury.
- **When using the drill, DO NOT position yourself between the tool and a wall or post.** If the bit jams or becomes bound in the workpiece, the sudden reaction torque of the tool could crush your hand, arm or leg against a stationary object.
- **If the bit jams or binds in the work,** immediately release the switch trigger to prevent personal injury. Unplug the drill from the power source and then remove the drill bit from the work. Do not attempt to free the jammed drill bit by repeatedly starting and stopping the drill motor; this action could result in injury.
- **Do not use dull or damaged bits and accessories.** Dull or damaged bits are more likely to bind in the workpiece.
- **Do not use bits larger than those recommended.** They are more likely to jam, causing loss of tool control and personal injury. Large bits may also overload the drill, causing motor and gear damage.
- **When removing the drill bit from the tool avoid contact with skin.** Allow sufficient time for the bit to cool down or use proper protective gloves to handle the bit or accessory. Drill bits and accessories may be hot after prolonged use.

⚠ WARNING: USE OF THIS TOOL CAN GENERATE AND DISBURSE DUST OR OTHER AIRBORNE PARTICLES, INCLUDING WOOD DUST, CRYSTALLINE SILICA DUST AND ASBESTOS. Direct particles away from face and body. Always operate tool in a well-ventilated area and provide for proper dust removal. Use dust collection system wherever possible. Exposure to the dust may cause serious and permanent respiratory or other injury, including silicosis (a serious lung disease), cancer, and death. Avoid breathing the dust, and avoid prolonged contact with the dust. Allowing dust to get into your mouth or eyes, or lay on your skin may promote absorption of harmful material. Always use properly fitting NIOSH/OSHA approved respiratory protection appropriate for dust exposure, and wash exposed areas with soap and water.

SAVE THESE INSTRUCTIONS

YOUR DRILL



- 1. Chuck
- 2. Reversing Switch
- 3. ON/OFF Trigger Switch
- 4. Lock-On Button
- 5. Power-On Indicator
- 6. Brush Cap

FIG 1

UNPACKING AND CONTENT

IMPORTANT: Due to modern mass production techniques, it is unlikely the tool is faulty or that a part is missing. If you find anything wrong, do not operate the tool until the parts have been replaced or the fault has been rectified. Failure to do so could result in serious personal injury.

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OPERATION

⚠ WARNING: Always check that the power supply corresponds to the voltage on the rating name plate.

⚠ WARNING: Always be sure that the tool is switched off and unplugged before adjusting, adding accessories, or checking a function on the tool.

TRIGGER SWITCH ACTION

⚠ WARNING: Before plugging in the tool, always check to see that the tool is switched off.

Your tool is equipped with a variable speed trigger switch. The tool speed is controlled by the amount of pressure you apply to the switch trigger.

- Turn the drill on by depressing the trigger switch.
- Depressing the switch further will produce more speed and torque.
- Use the reversing switch (2-FIG 1) to change the direction of rotation of the drill. Always check the rotation before beginning your work.

LOCK-ON BUTTON

The "Lock-On" button (4-FIG 1) is located in the handle of your tool, beside the switch trigger and allows you to continuously operate the drill at a preset RPM without holding down the switch trigger.

To lock the trigger "ON", pull the switch trigger back fully, depress the "Lock-On" button and release the trigger.

To unlock the trigger, squeeze the trigger back completely then release it without depressing the "Lock-On" button.

NOTE: The drill can only be "Locked-On" at its highest speed.

POWER-ON INDICATOR

The drill is equipped with a Power-On Indicator on the top of drill body (5-FIG 1). It lights up when the drill is being connected to a power source.

CHUCK

⚠ WARNING: Always be sure that the tool is switched off and unplugged before adjusting, adding accessories, or checking a function on the tool.

The drill is equipped with a 3/8" (10mm) metal Keyed Chuck. (1-FIG 1). A chuck key is provided to tighten or loosen the chuck jaws.

To install a drill bit:

Inspect the drill bit shank and the drill's chuck jaws for dirt or foreign matter and clean if necessary. Dirt on the drill bit shank or on the chuck jaws can cause misalignment or bit slippage during use. Drill bits larger than the drill's maximum rated capacity may cause the motor to overload and/or gear damage.

- Unplug the drill.
- Open the chuck jaws so the opening is slightly wider than the drill bit being installed.
- Position the drill so the chuck is pointing upward then insert the drill bit, allowing the bit to rest on the bottom of the chuck. For small bits, insert the drill bit so that the bottoms of its flutes are even with the top of the chuck jaws.
- Center the bit in the jaws and hand tighten the jaws by rotating the chuck collar clockwise, being sure the bit is properly aligned in the chuck jaws.
- Insert the chuck key into one of three holes in the chuck, turning the chuck key clockwise to securely tighten the chuck. DO NOT use a wrench, pliers, or means other than the chuck key to tighten or loosen the chuck.

⚠ WARNING: Never attempt to operate a bit that is wobbly, unstable, or broken.

⚠ WARNING: To prevent personal injury, always remove the chuck key from the chuck after each use.

To remove the drill bit:

- Unplug the drill.
- Loosen the chuck by inserting the chuck key into one of the three holes in the chuck and turn it counter-clockwise.
- Remove the drill bit from the chuck.

APPLICATIONS

⚠ WARNING: Always check the direction of rotation before operating the tool. When drilling, the tool must be set for forward or clockwise rotation only. Failure to obey this caution may cause property damage.

DRILLING IN WOOD, COMPOSITE MATERIALS AND PLASTICS

Although most “twist” drill bits are designed for drilling into metal, they are the most common bit used for boring holes in wood, wood composites and plastics. There are many types of drill bits available that may be more appropriate or designed specifically for boring the type of hole you desire. Additional drill bits to choose from include: spade bits, brad bits, self-feed bits, hole saws, circle cutters, multispur bits and forstner bits, to name just a few! Woodworking publications and tool supply store personnel are good sources to help you select the drill bit that best satisfies your needs.

With the tool unplugged from its power source

- Install the appropriate bit into the chuck and tighten the chuck.
- Place the forward/reverse switch in the forward position.
- Mark the location(s) on the workpiece where the holes are to be drilled.
- Secure the workpiece with clamps or other means.
- Wear safety goggles or safety glasses with side shields. Wear a dust mask or respirator to prevent inhalation of wood dust.

To drill the hole

- Plug the tool into the power source.
- Place tip of the drill bit on the workpiece where the hole is being drilled.
- Apply downward pressure and slowly depress the switch trigger.
- When using a twist drill, withdraw the bit from the hole frequently to clear built up wood chips from the flutes. Clearing the flutes avoids overheating the bit and burning the wood.
- When drilling plastics, use slower speeds to avoid melting the material.
- Reduce pressure on the drill just before the bit breaks through the workpiece to avoid splintering the wood. (Note: Clamping a backing block to the workpiece will keep the back of the wood from splintering. If not using a backing block when using spade bits and hole saws, reduce pressure as soon as the bit point breaks through the workpiece and complete drilling the hole from the opposite side.)

DRILLING IN METAL

Important Note: Use good quality high-speed steel twist drill bits.

- With the drill unplugged, install the bit and perform the pre-drilling checks as stated in the preceding wood drilling section.
- To make starting the hole easier and keep the bit from “walking” on the workpiece, use a center punch to make a small impression in the metal. Place the drill bit tip into the impression and start the drill by slowly depressing the switch trigger. Apply only enough pressure to keep the bit cutting into the metal.

⚠ WARNING: DO NOT FORCE the tool. Too much pressure may cause bits to break, resulting in bodily injury. Excessive pressure will cause bits to overheat, damaging the drill bit. Too little pressure keeps the bit from cutting, dulling the bit edges due to excessive friction.

- If drilling large holes, first drill a smaller hole and then enlarge it to the desired size.
- Using lubricants such as oil on the point will help cool the bit, increase drilling action and extend drill bit life.
- Clamp a backing block to the workpiece to prevent binding and distortion when the bit breaks through the metal.

Notes

Genesis

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