

Clarke®



CORDLESS DRILL/SCREWDRIVER

Model Nos.

CCD12T • CCD18T



0202

OPERATING & MAINTENANCE INSTRUCTIONS

Thank you for purchasing this CLARKE Cordless Drill/Screwdriver, designed for use in a professional/industrial environment.

Please read this booklet thoroughly. Your Clarke Cordless drill will give good service if it is used carefully and in accordance with the following advice and recommendations. Do not use excessive force and as with all tools, it should be treated with respect.

GUARANTEE

This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase. This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission. This guarantee does not effect your statutory rights.

TECHNICAL DATA

Model No.	CCD12T	CCD18T
Part No.	6485055	6485060
Chuck Capacity	10mm Jacobs	10mm Jacobs
Speed Range	0-400 / 0-1100	0-400 / 0-1100
Voltage	12 V	18V
Vibration Levels	<2.5m/s ²	<2.5m/s ²
Sound Pressure Level (LwA)	<70dBA at 1M	<70dbA at 1M
Weight	1.7kg	2.1kg
Battery		
Part No.	GRCCD12T01	GRCCD18T01
1 Hour Charger		
Part No.	GRCCD12T02	GRCCD18T02
Input Volts	230VAC	230VAC
Charging Time	1hr	1hr

Please quote the above part numbers when ordering any of the above items as replacement or spare parts.

GENERAL SAFETY PRECAUTIONS

1. Keep your Clarke Cordless drill and all other power tools out of reach of children.
2. Keep all equipment dry especially the battery and battery charger.
3. When drilling into walls, ceilings and floors, check first for concealed main services, Water, Electric and Gas.
4. Always wear safety goggles*. Take particular care when drilling overhead.
5. We recommend the use of an appropriate dust mask*.
6. Loose clothing and long hair can prove a danger if caught up in machinery. Take suitable precautions.
7. When drilling into certain materials, sound pressure levels may prove a discomfort, in which case we recommend the use of ear defenders*.
8. ALWAYS disconnect from the mains supply when changing bits or when the drill is not required for immediate use..
9. ALWAYS hold the drill firmly with BOTH hands when drilling. A drill could stall if overloaded or used improperly. ALWAYS expect a stall and be prepared for it.
10. DO NOT use in damp or wet conditions. Keep the work area well lit. DO NOT use where a risk of fire or explosion is present.
11. ALWAYS ensure the workpiece is perfectly secure before drilling. Use clamps or a vice which is safer than your hands and frees both hands to operate the drill.

****Contact your Clarke dealer for information on the various Clarke safety products available.***

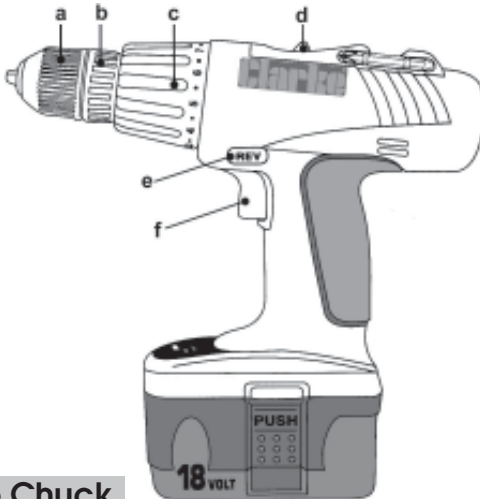
HELPFUL HINTS ON DRILLING

- After drilling material to the full depth, do not simply pull out the drill but maintain chuck rotation to ease withdrawal.
- Keep drill bits sharpened for optimum performance.
- Always drill directly in line with the bit. Do not use sideways movement as this may damage the drill or cause the bit to break.
- Always use a cutting lubricant when drilling all metals except brass and cast iron which should be drilled dry.
- As a general rule, when drilling metal, the harder the metal the slower the drill speed. Similarly, the bigger the drill the slower the speed. Consult a suitable book of reference if necessary.
- Always start drilling at a slow speed to prevent the drill from slipping out of the pop mark or indent, gradually increasing speed until the optimum cutting speed is achieved whilst maintaining a MODERATE pressure ONLY. NEVER force the drill bit into the work. This will overheat the tip and cause it to dull very quickly.
- If the drill is not cutting the metal then sharpen the drill, ensuring the various cutting angles are correct. Consult a suitable book of reference or suitably qualified technician..

GET TO KNOW YOUR CORDLESS DRILL

Chuck

No key is required for operation. To secure a bit, hold the rear portion of the chuck (b) securely with one hand and turn the front portion (a) clockwise (from the front). To remove the bit, repeat the foregoing but turn the chuck anticlockwise.



Removing the Chuck

Open the jaws to their fullest extent to allow a cross head screwdriver to be inserted, down through the jaws, to engage in the cross head slot of the securing screw.. The screw has a **LEFT HAND THREAD** and must therefore be turned **CLOCKWISE**. With the screw fully loosened, grasp the chuck and unscrew it from the drill in the normal manner, i.e., by screwing it **ANTICLOCKWISE**.

Variable Speed

Variable speed is possible according to the amount of finger pressure on the trigger (f).

Speed Range

2 speed ranges are provided. The selector lever is shown at (d). Operate this lever **ONLY** when the chuck is stationary. The lower speed produces a higher torque.

Torque Adjustment (c)

(For correct tightening of screws/nuts)

This control is located immediately behind the chuck assembly and is numbered in steps from 1 to 8, plus one extra step, marked with a sign for a drill bit.

These settings allow the exact amount of torque, or turning force required, to be applied and will help maintain consistent performance, especially where there are many identical fixings to be made. It is particularly useful for preventing

excessive tightening, but because of the wide variety of screws available and different material densities, the optimum setting is best found by experiment.

Always release the main trigger immediately the percussive clicking sound is felt and heard. This indicates that the tool has reached its torque setting and the bit will turn no further. Turn to a lower number if screws go too deep or strip the material. Turn to a higher number if screws stand too proud. NOTE: For drilling always set to the Drill setting marked with a sign for a drill bit.

Direction of rotation

The 3-position control lever (e) controls forward or reverse direction of rotation. Select the appropriate setting ONLY when the chuck is STATIONARY. Do not move the lever when the **chuck is moving**. When in the central position, the trigger is locked.

BATTERY CHARGING AND CARE

Your Clarke Cordless drill is supplied with a 1 hour battery charger and TWO batteries. To disengage a battery from the drill, simply press the two lugs, one either side of the battery, whilst gently pulling down.

A. One Hour Charger

This is a one piece unit incorporating a transformer/charger fitted with a 2 core mains lead and a 13 Amp Plug.

B. Electrical Connections

Connect the mains lead to a standard 240Volt (50Hz) electrical supply through an approved plug.

WARNING! THIS CHARGER IS DOUBLE INSULATED



IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

- Blue - Neutral
- Brown - Live

As the colours of the flexible cord of this appliance may not correspond with the coloured markings identifying terminals in your plug proceed as follows:

Connect BROWN coloured cord to plug terminal marked with a letter 'L' or coloured RED Connect BLUE coloured cord to plug terminal marked with a letter 'N' or coloured BLACK

The fuse in the plug for this appliance must be rated at **5 amps**.

If this appliance is fitted with a plug which is moulded onto the electric cable (i.e. non-rewirable) please note:

1. The plug must be thrown away if it is cut from the electric cable. There is a danger of electric shock if it is subsequently inserted into a socket outlet.
2. Never use the plug without the fuse cover fitted.
3. Should you wish to replace a detachable fuse carrier, ensure that the correct replacement is used (as indicated by marking or colour code).
4. Replacement fuse covers can be obtained from your local dealer or most electrical stockists.
5. The fuse in the plug must be replaced with one of the same rating (5 amps) and this replacement must be ASTA approved to BS1362. If in doubt, consult a qualified electrician.

C. Battery Charging

When plugging the battery into the charger please note that it will fit one way only...DO NOT FORCE it .

When it is correctly plugged in, the battery should sit as shown in the illustration opposite.

Install the battery in the charger, then plug the charger into the mains and switch ON (at the mains).

The LED (arrowed) will immediately illuminate RED.

When the battery is fully charged, the LED will turn GREEN. At this point, switch OFF and disconnect the charger at the mains . Remove the battery and install in the drill.



NOTE: A complete charge will take approx. 1 hour, depending upon the state of the battery.

If the battery is not to be fitted immediately, ensure that the metal contacts are protected so as to avoid the possibility of a short circuit which would cause damage. Remember to avoid extremes of heat or cold when charging.

NOTE:

Ni-Cad batteries as used in Clarke Cordless Drills should be given a full charge when first supplied new. Maximum battery performance will be achieved after approximately 5 complete charge/discharge cycles.

The battery should be fully discharged before recharging....see important notice - page 7.

Protect batteries from extremes of temperature at all times, but especially whilst charging.
Minimum 4°C. Maximum 40°C.

Avoid placing batteries in direct strong sunlight or any other heat source. If the battery becomes warm, disconnect and allow it to cool down for a few minutes. Nickel cadmium batteries will slowly lose their power whilst in storage.

If they become fully discharged, do not leave the batteries in this state for any length of time.

IMPORTANT:

The full capacity of a Ni-Cad battery will **only** be realised if it is allowed to discharge almost completely before once again being recharged.

Constant topping up after only a small amount of charge has been used will, in effect, reduce its capacity

Two batteries are supplied which should allow constant use of the drill over long periods, if required.

BATTERIES - IMPORTANT NOTES

After being recharged many times, nickel cadmium batteries will eventually lose their ability to hold the charge. This will be evident if power is lost much sooner than usual after a complete recharge. In this case, such batteries should be replaced. Dispose of old batteries with consideration for the environment. They may be returned by post to the Clarke Parts and Service Centre (see below) where you can be assured they will be disposed of safely. Alternatively, seek advice from your local waste disposal authority. Do not incinerate or crush, as this will increase the risk of explosion and contamination. If the battery contents should under any circumstance be spilt wash away with soap and plenty of water. Vinegar or lemon juice will also help to neutralise the harmful effects of the battery contents. If these come into contact with skin or more especially the eyes, rinse with clean water for several minutes and seek medical advice immediately afterwards.

PARTS & SERVICE CONTACTS

For Spare Parts and Service, please contact your nearest dealer, or CLARKE International, on one of the following numbers.

PARTS & SERVICE TEL: 020 8988 7400

PARTS & SERVICE FAX: 020 8558 3622

or e-mail as follows:

PARTS: Parts@clarkeinternational.com

SERVICE: Service@clarkeinternational.com