

3.6V NIMH Screwdriver CP300BS

Technical Data

| Cordless Screwdriver | | CP300BS |
|-----------------------|------------------|-------------------|
| Voltage | V _{nom} | 3.6 |
| No Load Speed | RPM | 180 |
| Max. Torque | Nm | 4 |
| Bit Holder | mm Ø (hex) | 6.35 |
| Weight | kg | 0.35 |
| Battery | | |
| Voltage | V | 3.6 |
| Type | NiMH | |
| Capacity | Ah | 1.8 |
| Charger | | |
| Approx. Charging Time | Hour | 8 (fully charged) |
| Weight | kg | 0.34 |

Intended Use

Your Black & Decker compact screwdriver has been designed for screwdriving applications. The tool is intended for consumer use only.

Your Black & Decker charger has been designed for charging Black & Decker batteries of the type supplied with this tool.

Safety Instructions

When using power tools, always observe the safety regulations applicable in your country to reduce the risk of fire, electric shock, personal injury and material damage. Read the following safety instructions before attempting to operate this product. Keep these instructions in a safe place!

The following symbols are used throughout this manual:

⚠ Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

⚡ Denotes risk of electric shock.

🔥 Fire hazard.

1. **Keep work area clean.** Cluttered areas and benches can cause accidents.

2. **Consider work area environment.** Do not expose power tool to humidity. Keep work area well lit (250-300 Lux). Do not use power tools in the presence of inflammable liquids or gases.

3. **Keep children away.** Do not let children come into contact with the tool or extension cord. Keep all people away from the work area.

4. **Dress properly.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Preferably wear rubber gloves and non-slip footwear when working outdoors. Wear protective hair covering to keep long hair out of the way. When working outdoors, preferably wear suitable gloves and non-slip footwear.

5. **Personal protection.** Always use safety glasses. Everyday eyeglasses only have impact resistant lenses, they are not safety glasses. Use a face or dust mask whenever the operations may produce dust or flying particles. If these particles might be considerably hot, also wear a heat-resistant apron. Wear ear protection whenever the sound level seems uncomfortable, i.e. if the sound pressure stated in this manual exceeds 85 dB(A).

6. **Do not overreach.** Keep proper footing and balance at all times.

7. **Stay alert.** Watch what you are doing. Use common sense. Do not operate the tool when you are tired.

8. **Secure workpiece.** Use clamps or a vice to hold the workpiece. It is safer and it frees both hands to operate the tool.

9. **Remove adjusting keys and wrenches.** Always check that adjusting keys and wrenches are removed from the tool before switching on.

10. **Use appropriate tool.** The intended use is laid down in this instruction manual. Do not force small tools or attachments to do the job of a heavy-duty tool. The tool will do the job better and safer at the rate for which it was intended. Do not force the tool.

⚠ **Warning!** The use of any accessory or attachment or performance of any operation with this tool, other than those recommended in this instruction manual may present a risk of personal injury.

11. **Check for damaged parts.** Before using the tool, carefully check it for damage to ensure that it will operate properly and perform its intended function. Check for misalignment and seizure of moving parts, breakage of parts and any other conditions that may affect its operation. Have damaged guards or other defective parts repaired or replaced as instructed. Do not use the tool if the switch is defective. Have any damaged or defective parts replaced by an authorized repair agent. Never attempt any repairs yourself.

12. **Avoid unintentional starting.** Do not carry the plugged-in tool with a finger on the switch. Be sure that the switch is released when plugging in.

13. **Do not abuse cord.** Never carry the tool by its cord or yank it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.

14. **Store idle tools.** When not in use, power tools must be stored in a dry place and locked up securely, out of reach of children.

15. **Maintain tools with care.** Keep the tools in good condition and clean for better and safer performance. Follow the instructions for maintenance and changing accessories. Inspect the tool cords at regular intervals and, if damaged, have them repaired by an authorized repair agent. Inspect the extension cords periodically and replace them if damaged. Keep all controls dry, clean and free from oil or grease.

16. **Have your tool repaired by an authorized repair agent.** This power tool is in accordance with the relevant safety regulations. To avoid danger, electric appliances must only be repaired by qualified technicians using original spare parts.

Additional Safety Instructions for Batteries and Chargers

Batteries

17. **Never attempt to open for any reason.**

18. **Do not store in locations where the temperature may exceed 40°C.**

19. **Charge only at ambient temperatures between 4°C and 40°C.**

20. **Charge only using the charger provided with the tool (see technical data).**

21. **When disposing of batteries, follow the instructions given in the section "Protecting the environment".**

22. **Leaks from battery cells can occur under extreme conditions.** The battery fluid, a 25-30% solution of potassium hydroxide, can be harmful. In case of skin contact: (a) wash quickly with soap and water, or (b) neutralize with a mild acid such as lemon juice or vinegar. If the liquid gets into the eyes, flush them immediately with clean water for a minimum of 10 minutes. Seek medical attention.

23. **Fire hazard!** Avoid short-circuiting the contacts of a detached battery.

24. **Do not incinerate the battery.**

Chargers

25. Use your Black & Decker charger only to charge the battery in the tool with which it was supplied. Other batteries could burst, causing personal injury and damage.

26. Never attempt to charge non-rechargeable batteries.

27. Avoid defective cords replaced with others.

28. Do not expose to water.

29. Do not open the charger.

30. Do not probe the charger.

31. ⚠ The charger is intended for indoor use only.

Specific Safety Rules

32. When fitting and changing accessories, always use the instructions supplied with the accessory.

33. Should your screwdriver develop a fault, do not try to fix it yourself, but take it to one of our authorized repair agents.

34. ⚠ **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 (CCA).

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.

Avoid prolonged contact with dust from power sanding, sawing, grinding, drilling, and other construction activities. Wear protective clothing and wash exposed areas with soap and water. Allowing dust to get into your mouth, eyes, or lay on the skin may promote absorption of harmful chemicals.

Labels on your tool

They may include the following symbols:

| | | |
|-------|-------|---|
| V | ..... | volts |
| A | ..... | Amperes |
| Hz | ..... | Hertz |
| W | ..... | Watts |
| Min. | ..... | Minutes |
| ⌚ | ..... | Alternating current |
| ⌚ | ..... | Direct current |
| ⌚ | ..... | No load speed |
| ⌚ | ..... | Class II Construction |
| ⌚ | ..... | Earthing terminal |
| ⌚ | ..... | Safety alert symbol |
| ⌚/min | ..... | Revolutions or reciprocation per minute |
| ⌚/bpm | ..... | Beats per minute |

Save these instructions!

Electrical safety

⚠ Your charger is double insulated; therefore no earth wire is required. Always check that the mains voltage corresponds to the voltage on the rating plate. Never attempt to replace the charger unit with a regular mains plug.

Using an Extension Cable

An extension cable should not be used unless absolutely necessary. Use of an improper extension cable could result in a risk of fire and electric shock. If an extension cable must be used, use only those that are approved by the country's Electrical Authority. Make sure that extension cord is in good condition before using. Always use the cord that is suitable for the power input of your charger (see technical data on name plate).

When using a cable reel, always unwind the cable completely.

Features (Fig. A)

1. On/Off switch

2. Forward/reverse slider

3. Bit holder

4. Charger Plug

5. Charger

Assembly and Adjustment

⚠ Prior to assembly and adjustment always unplug the tool.

Fitting and Removing a Screwdriver Bit (Fig. B)

This tool uses screwdriver bits with a 6.35mm hexagonal shank. Do not use double-ended screwdriver bits.

• To fit a screwdriver bit (8), push it into the bit holder (3) until it locates.

• To remove a screwdriver bit, pull it straight from the bit holder.

Use

⚠ Always observe the safety instructions and applicable regulations.

⚠ Let the tool work at its own pace. Do not overload.

Charging the Battery (Fig. A & C)

• The battery needs to be charged before first use and whenever it fails to produce sufficient power on jobs that were easily done before.

• While charging, the charger may hum and become warm to touch; this is normal and does not indicate a problem.

⚠ Do not charge the battery at ambient temperatures below 4°C or above 40°C. Recommended charging temperature is approximately 24°C.

⚠ Turn the forward/reverse slider (2) to the central (lock) position before charging (Fig. C).

• To charge the battery, insert the charge plug (4) to the unit. Plug in the charger (5) to start charging.

• Let the screwdriver charge initially for 9 hours. After the initial charge, under normal usage, your tool should be fully charged in 3 to 5 hours.

• To prolong battery life, avoid leaving on charge for extended periods of time (over 30 days without use). Although overcharging is not a safety concern, it can significantly reduce overall battery life.

• The batteries will reach optimum performance after being cycled 5 times during normal usage. There is no need to run the batteries down completely before recharging. Normal usage is the best method of discharging and recharging the batteries.

Manual Spindle Lock (Fig. C)

• The manual spindle lock allows you to use the tool as a regular screwdriver. You can give an extra twist to firmly tighten a screw or to loosen a very tight screw.

• To activate the spindle lock, set the forward/reverse slider (2) to the centre position.

Operating the Tool (Fig. A)

• To tighten a screw or nut, push the forward/reverse slider (2) forward,

exposing the screw pointing forward. Press the on/off switch (1).

• To loosen a screw or nut, push the forward/reverse slider (2) switch backward, exposing the screw pointing backward. Press the on/off switch (1).

• To switch the tool off, release the on/off switch.

• Make it a habit to twist the forward/reverse slider (2) back to neutral (central) position to avoid accidental start of the tool.

Handy Hints

• Always use the correct type and size of screwdriver bit.

• If screws are difficult to tighten, try applying a small amount of washing liquid or soap as a lubricant.

• Make the spindle lock to loosen very tight screws or to firmly tighten screws.

• Always hold the tool and screwdriver bit in a straight line with the screw.

• When screwing in wood, it is recommended to drill a pilot hole with a depth equal to the length of the screw. A pilot hole guides the screw and prevents splintering or distortion of the wood. For the optimum size of the pilot hole, refer to the table below.

• When screwing in hardwood, also drill a clearance hole with a depth equal to half the length of the screw. For the optimum size of the clearance hole, refer to the table below.

| Screw size | Pilot hole ø (softwood) | Pilot hole ø (hardwood) | Clearance hole |
|---------------|-------------------------|-------------------------|----------------|
| No. 6 (3.5mm) | 2.0 mm | 2.5 mm | 4.0 mm |
| No. 8 (4mm) | 3.2 mm | 3.5 mm | 5.0 mm |
| No. 10 (5mm) | 3.5 mm | 4.0 mm | 5.7 mm |

Maintenance

Your Black & Decker power tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

This tool is not user-serviceable. Take it to an authorized Black & Decker repair agent for service.

Your charger does not require any maintenance apart from regular cleaning.

⚠ Unplug the charger before cleaning it.

• Regularly clean the motor housing using a damp cloth. Do not use any abrasive or solvent-based cleaner.

Important

To ensure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (other than those listed in this manual) should be performed by authorized service centers or other qualified organizations, always using identical replacement parts. Unit contains no user-serviceable parts inside.

Accessories

The performance of any power tool is dependent upon the accessory used. Black & Decker accessories are engineered to high quality standards and are designed to enhance the performance of your power tool. By using Black & Decker accessories you will get the very best from your tool.

Black & Decker offers a large selection of accessories available at our local dealer or authorized service center at extra cost.

⚠ CAUTION: The use of any non-recommended accessories may be hazardous.

Protecting The Environment

⚠ Separate collection. This product must not be disposed of with normal household waste.

⚠ You should find one day that your Black & Decker product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

⚠ Separate collection of used products and packaging allows materials to be recycled and used again.

Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

If necessary, contact your local municipality for proper disposal instructions in your city/town.

Batteries

Black & Decker batteries can be recharged many times. At the end of their useful life, discard batteries with due care for our environment:

• Run the battery down completely, and then remove it from the tool.

• NiCd and NiMH batteries are recyclable. Take them to a local recycling station.

Service Information

Black & Decker offers a full network of company-owned and authorized service locations throughout Asia. All Black & Decker Service Centers are staffed with trained personnel to provide customers with efficient and reliable power tool service.

Whether you need technical advice, repair, or genuine factory replacement parts, contact the Black & Decker location nearest to you.

Notes

• Black & Decker's policy is one of continuous improvement to our products and, as such, we reserve the right to change product specifications without prior notice.

• Standard equipment and accessories may vary by country.

• Product specifications may differ by country.

• Complete product range may not be available in all countries. Contact your local Black & Decker dealers for range availability.

EC declaration of conformity

CP300BS

Black & Decker declares that these products conform to: 98/37/EC, 89/336/EEC, 73/23/EEC, EN 60335, EN 60745

La (sound pressure) 55.2 dB(A), L_w (acoustic power) 66.2 dB(A).

Hand/arm weighted vibration 0.23 m/s²

K_{av} (sound pressure uncertainty): 3 dB(A)

K_{pw} (acoustic power uncertainty): 3 dB(A)

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