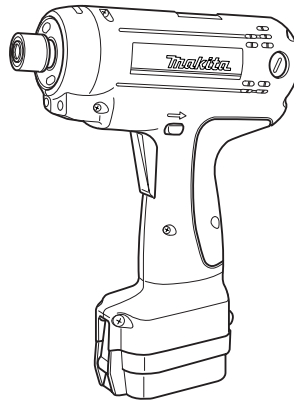




Cordless Screwdriver

MODEL 6796D
MODEL 6796FD
MODEL 6797D
MODEL 6797FD
MODEL 6798D
MODEL 6798FD



002601

I N S T R U C T I O N M A N U A L

⚠ WARNING:

For your personal safety, READ and UNDERSTAND before using.
SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

SPECIFICATIONS

Model	No load speed (min ⁻¹)	Fastening torque	Overall length	Net weight	Rated voltage
6796D/FD	320	1 - 5 N•m	174 mm	1.4 kg	D.C. 9.6 V
6797D/FD		2 - 8 N•m			
6798D/FD		6 - 12 N•m			

- Due to our continuing programme of research and development, the specifications herein are subject to change without notice.
- Note: Specifications may differ from country to country.

For European countries only

Noise and Vibration

The typical A-weighted sound pressure level is not more than 70 dB (A).

The noise level under working may exceed 85 dB (A).

– Wear ear protection. –

The typical weighted root mean square acceleration value is not more than 2.5 m/s².

EC-DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in compliance with the following standards of standardized documents, EN50260, EN55014 in accordance with Council Directives, 89/336/EEC, 98/37/EC.

Yasuhiko Kanzaki **CE 2003**



Director

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SAFETY INSTRUCTIONS

ENA002-2

WARNING:

When using battery operated tools basic safety precautions, including the following, should be followed to reduce the risk of fire, leaking batteries and personal injury: Read these instructions before operating this product and save these instructions.

For safe operations:

- 1. Keep work area clean.**
Cluttered areas and benches invite injuries.
- 2. Consider the work environment.**
Do not expose the tool to rain. Keep work area well lit. Do not use tools in the presence of flammable liquids or gases.
- 3. Keep children away.**
Do not let visitors touch the tool. Keep visitors away from work area.
- 4. Store batteries or idle tools.**
When not in use, tools and batteries should be stored separately in a dry, high or locked up place, out of reach of children.
Ensure that battery terminals cannot be shorted by other metal parts such as screws, nails, etc.
- 5. Do not force the tool.**
It will do the job better and safer at the rate for which it was intended.
- 6. Use the right tool.**
Do not force small tools or attachments to do the job of a heavy duty tool. Do not use tools for purposes not intended.
- 7. Dress properly.**
Do not wear loose clothing or jewellery, they can be caught in moving parts. Non-skid footwear is recommended when working outdoors. Wear protecting hair covering to contain long hair.
- 8. Use protective equipment.**
Use safety glasses and if the cutting operation is dusty, a face or dust mask.
- 9. Connect dust extraction equipment.**
If devices are provided for the connection of dust extraction and collection ensure these are connected and properly used.
- 10. Do not abuse the supply cord (if fitted).**
Never carry the tool by the cord or yank it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.
- 11. Secure the work.**
Use clamps or a vice to hold the work. It is safer than using your hand and it frees both hands to operate the tool.
- 12. Do not over-reach.**
Keep proper footing and balance at all times.
- 13. Maintain tools with care.**
Keep cutting tools sharp and clean for better and safer performance. Follow instructions for lubrication and changing accessories. Inspect tool cords periodically and if damaged have repaired by an authorized service facility.
- 14. Disconnect tools.**
Where the design permits, disconnect the tool from its battery pack when not in use, before servicing and when changing accessories such as blades, bits and cutters.
- 15. Remove adjusting keys and wrenches.**
Form the habit of checking to see that keys and adjusting wrenches are removed from the tool before turning it on.
- 16. Avoid unintentional starting.**
Do not carry the tool with a finger on the switch.
- 17. Stay alert.**
Watch what you are doing. Use common sense. Do not operate the tool when you are tired.
- 18. Check damaged parts.**
Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, free running of moving parts, breakage of parts, mounting and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service facility unless otherwise indicated in this instruction manual. Have defective switches replaced by an authorized service facility. Do not use the tool if the switch does not turn it on and off.
- 19. Warning.**
The use of any accessory or attachment, other than recommended in this instruction manual or the catalog, may present a risk of personal injury.
Ensure that the battery pack is correct for the tool.
Ensure that the outside surface of battery pack or tool is clean and dry before plugging into charger.
Ensure that batteries are charged using the correct charger recommended by the manufacturer. Incorrect use may result in a risk of electric shock, overheating or leakage of corrosive liquid from the battery.
- 20. Have your tool repaired by a qualified person.**
This tool is constructed in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user.
- 21. Disposal of battery.**
Ensure battery is disposed of safely as instructed by the manufacturer.

IMPORTANT SAFETY INSTRUCTIONS FOR BATTERY CARTRIDGE

ENC004-1

1. Before using battery cartridge, read all instructions and cautionary markings on (1) battery charger, (2) battery, and (3) product using battery.
 2. Do not disassemble battery cartridge.
 3. If operating time has become excessively shorter, stop operating immediately. It may result in a risk of overheating, possible burns and even an explosion.
 4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away. It may result in loss of your eyesight.
 5. Always cover the battery terminals with the battery cover when the battery cartridge is not used.
 6. Do not short the battery cartridge:
- (1) Do not touch the terminals with any conductive material.
 - (2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
 - (3) Do not expose battery cartridge to water or rain.
- A battery short can cause a large current flow, overheating, possible burns and even a breakdown.
7. Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).
 8. Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.
 9. Be careful not to drop or strike battery.

SAVE THESE INSTRUCTIONS

Tips for maintaining maximum battery life

1. Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature at 10°C - 40°C (50°F - 104°F). Let a hot battery cartridge cool down before charging it.
4. Charge the Nickel Metal Hydride battery cartridge when you do not use it for more than six months.

ADDITIONAL SAFETY RULES FOR TOOL

ENB026-1

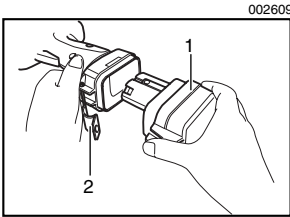
1. Be aware that this tool is always in an operating condition, because it does not have to be plugged into an electrical outlet.
2. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring. Contact with a "live" wire will also make exposed metal parts of the tool "live" and shock the operator.
3. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
4. Hold the tool firmly.
5. Keep hands away from rotating parts.

SAVE THESE INSTRUCTIONS

FUNCTIONAL DESCRIPTION

⚠ CAUTION:

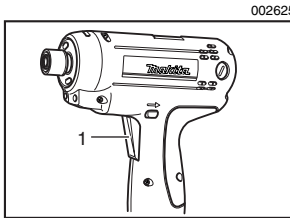
- Always be sure that the tool is switched off and the battery cartridge is removed before adjusting or checking function on the tool.



1. Battery cartridge
2. Set plate

Installing or removing battery cartridge

- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, pull out the set plate on the tool and grasp both sides of the cartridge while withdrawing it from the tool.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Snap the set plate back into place. Be sure to close the set plate fully before using the tool to prevent the battery cartridge from accidentally falling out of the tool.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.



1. Switch trigger

Switch action

⚠ CAUTION:

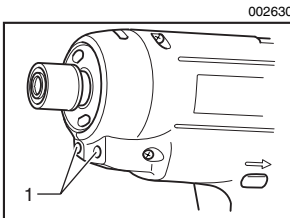
- Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the "OFF" position when released.

To start the tool, simply pull the switch trigger. Release the switch trigger to stop.

Lighting up front lamps

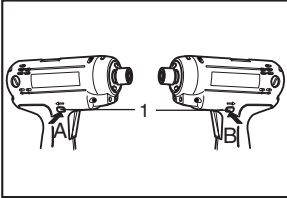
(For 6796FD/6797FD/6798FD)

Pull the switch trigger to light up the front lamps. The lamps keep on lighting while the switch trigger is being pulled. The light automatically goes out 10 to 20 seconds after the switch trigger is released.



1. Light

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1. Reversing switch lever

Reversing switch action

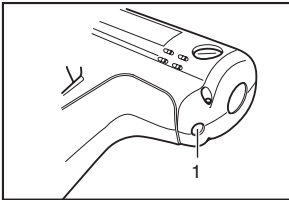
This tool has a reversing switch to change the direction of rotation. Depress the reversing switch lever from the A side for clockwise rotation or from the B side for counterclockwise rotation.

When the reversing switch lever is in the neutral position, the switch trigger cannot be pulled.

⚠ CAUTION:

- Always check the direction of rotation before operation.
- Use the reversing switch only after the tool comes to a complete stop. Changing the direction of rotation before the tool stops may damage the tool.
- When not operating the tool, always set the reversing switch lever to the neutral position.

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1. Warning lamp

Battery power warning lamp

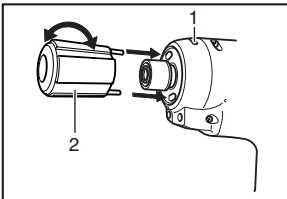
The lamp lights up in red when the battery power becomes low. If you disregard the warning and continue operation, the battery power will become not enough for the normal performance of the tool, and soon the tool will stop in order to avoid screwdriving with poor fastening torque. And so, replace the battery by fully charged one as soon as the red lamp lights up.

NOTE:

The lamp may also light up in red before the battery power becomes low under these conditions.

- Heavy load under which clutch mechanism does not work. Do not use the tool in this condition. (See the list of the capacity limit.)

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1. Graduations
2. Adjusting grip

Adjusting the fastening torque

Use an optional adjust grip to adjust the fastening torque. Insert the pins of the adjust grip into the holes in the front of the tool. And then, turn the adjust grip so that the torque gauge shows the desired torque by one of the numbers from 1 to 12. The number provides fastening torque in Newton-meter (N•m). See below for the standard fastening torque;

6796D/FD: 1 - 5 N•m
6797D/FD: 2 - 8 N•m
6798D/FD: 6 - 12 N•m

After completion of the adjustment, always make trial fastening about 20 times in order to keep stability of torque. Then, check the fastening torque with a torque tester before starting operation.

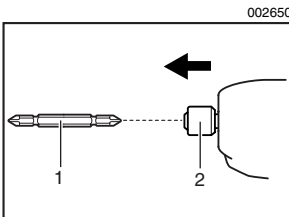
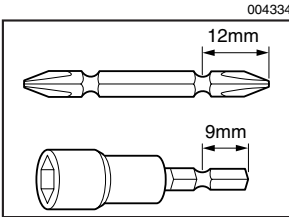
ASSEMBLY

⚠ CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

Installing or removing driver bit

Use only the driver bit or socket bit shown in the figure. Do not use any other driver bit or socket bit.



1. Bit
2. Sleeve

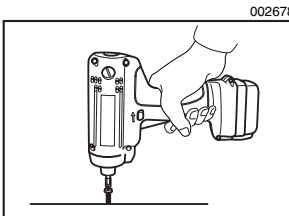
To install the bit, pull the sleeve in the direction of the arrow and insert the bit into the sleeve as far as it will go. Then release the sleeve to secure the bit.

To remove the bit, pull the sleeve in the direction of the arrow and pull the bit out.

NOTE:

- If the bit is not inserted deep enough into the sleeve, the sleeve will not return to its original position and the bit will not be secured. In this case, try re-inserting the bit according to the instructions above.

OPERATION



Screwdriving operation

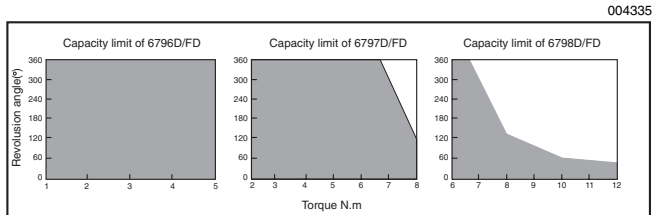
Place the point of the driver bit in the screw head and apply pressure to the tool. Then switch the tool on. When the clutch cuts in, the motor will stop automatically. Then release the switch trigger.

NOTE:

- Make sure that the driver bit is inserted straight in the screw head, or the screw and/or bit may be damaged.

Limits of fastening capacity

Use the tool within the limits of fastening capacity. If you use the tool beyond the limits, the clutch does not work. And the tool cannot deliver enough fastening torque.



NOTE:

- The revolution angle means the angle which a screw/bolt revolves when the tool attains to 100% from 50% of desired torque.

MAINTENANCE

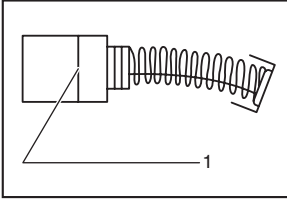
⚠ CAUTION:

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.

Replacing carbon brushes

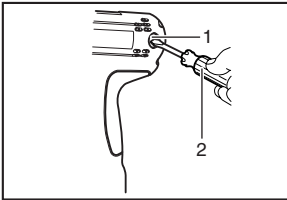
Remove and check the carbon brushes regularly. Replace when they wear down to the limit mark. Keep the carbon brushes clean and free to slip in the holders. Both carbon brushes should be replaced at the same time. Use only identical carbon brushes.

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1. Limit mark

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1. Brush holder cap
2. Screwdriver

Use a screwdriver to remove the brush holder caps. Take out the worn carbon brushes, insert the new ones and secure the brush holder caps.

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance or adjustment should be performed by Makita Authorized Service Centers, always using Makita replacement parts.

ACCESSORIES

⚠ CAUTION:

- These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. Only use accessory or attachment for its stated purpose.

If you need any assistance for more details regarding these accessories, ask your local Makita service center.

- Screw bits
- Adjusting grip
- Protector (red, blue, yellow)
- Grip base set and Grip 37
- Various type of Makita genuine batteries and chargers

Memo

Memo

Memo

Makita Corporation