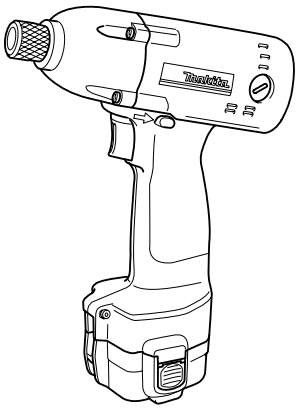
ENGLISH

Cordless Impact Driver

MODEL 6914D



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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		6914D
Capacities	Machine screw	4 mm - 8 mm
	Standard bolt	5 mm - 12 mm
	High tensile bolt	5 mm - 10 mm
No load speed (min^{-1})		0 - 2,200
Impacts per minute		0 - 3,000
Overall length		176 mm
Net weight		1.7 kg
Rated voltage		D.C. 12 V

- 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.

Symbols END001-1

The following show the symbols used for the tool. Be sure that you understand their meaning before use.

.....Only for EU countries

Do not dispose of electric equipment together with household waste material!

In observance of European Directive 2002/96/EC on waste electric and electronic equipment and its implementation in accordance with national law, electric equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

Intended use

The tool is intended for screw driving in wood, metal and plastic.

For European countries only

Noise and Vibration

The typical A-weighted noise levels are
sound pressure level: 92 dB (A)
sound power level: 105 dB (A)
– Wear ear protection. –

The typical weighted root mean square acceleration value is 7 m/s^2.

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.

ADDITIONAL SAFETY RULES FOR TOOL

ENB024-1

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. **Wear ear protectors.**

SAVE THESE INSTRUCTIONS

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.**

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.

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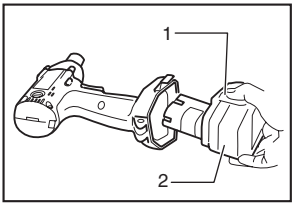

1. Button
2. Battery cartridge

Installing or removing battery cartridge

- Always switch off the tool before insertion or removal of the battery cartridge.
- To remove the battery cartridge, withdraw it from the tool while pressing the buttons on both sides of the cartridge.
- To insert the battery cartridge, align the tongue on the battery cartridge with the groove in the housing and slip it into place. Always insert it all the way until it locks in place with a little click. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.
- Do not use force when inserting the battery cartridge. If the cartridge does not slide in easily, it is not being inserted correctly.

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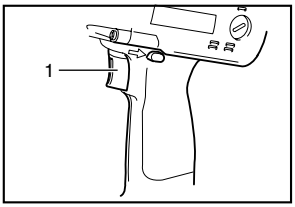

1. Switch trigger

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. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

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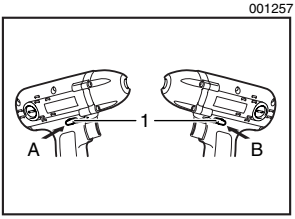

1. Reversing switch lever

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.

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.

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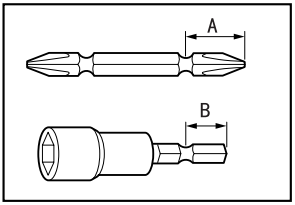

Installing or removing driver bit or socket bit

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

C00052

A = 17 mm B = 14 mm	To install these types of bits, follow the procedure (1). (Note) Makita bits are these types.
A = 12 mm B = 9 mm	To install these types of bits, follow the procedure (2). (Note) Bit-piece is necessary for installing the bit.
	For U.K. only Use only these type of bit. Follow the procedure (1). (Note) Bit-piece is not necessary.

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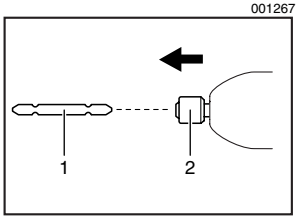

1. Bit
2. Sleeve

1. 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.

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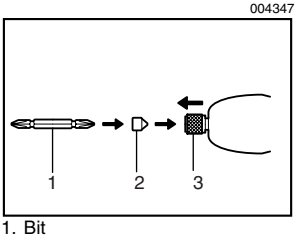

1. Bit
2. Bit-piece
3. Sleeve

2. To install the bit, pull the sleeve in the direction of the arrow and insert the bit-piece and bit into the sleeve as far as it will go. The bit-piece should be inserted into the sleeve with its pointed end facing in. 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 firmly.

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

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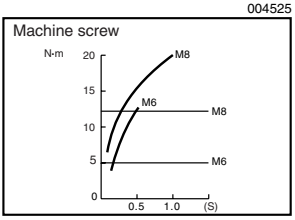

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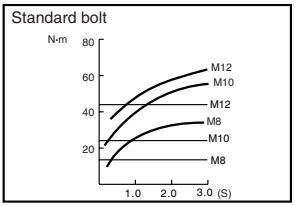

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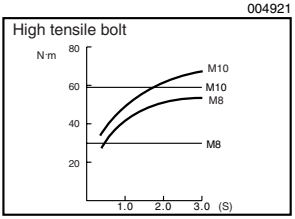

The proper fastening torque may differ depending upon the kind or size of the screw/bolt, the material of the workpiece to be fastened, etc. The relation between fastening torque and fastening time is shown in the figures.

Hold the tool firmly and place the point of the driver bit in the screw head. Apply forward pressure to the tool to the extent that the bit will not slip off the screw and turn the tool on to start operation.

NOTE:

- Use the proper bit for the head of the screw/bolt that you wish to use.
- When fastening screw M8 or smaller, carefully adjust pressure on the switch trigger so that the screw is not damaged.
- Hold the tool pointed straight at the screw.
- If you tighten the screw for a time longer than shown in the figures, the screw or the point of the driver bit may be overstressed, stripped, damaged, etc. Before starting your job, always perform a test operation to determine the proper fastening time for your screw.
- If the tool is operated continuously until the battery cartridge has discharged, allow the tool to rest for 15 minutes before proceeding with a fresh battery.

The fastening torque is affected by a wide variety of factors including the following. After fastening, always check the torque with a torque wrench.

1. When the battery cartridge is discharged almost completely, voltage will drop and the fastening torque will be reduced.
2. Driver bit or socket bit
   Failure to use the correct size driver bit or socket bit will cause a reduction in the fastening torque.
3. Bolt
   - Even though the torque coefficient and the class of bolt are the same, the proper fastening torque will differ according to the diameter of bolt.
   - Even though the diameters of bolts are the same, the proper fastening torque will differ according to the torque coefficient, the class of bolt and the bolt length.
4. The manner of holding the tool or the material of driving position to be fastened will affect the torque.
5. Operating the tool at low speed will cause a reduction in the fastening 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.

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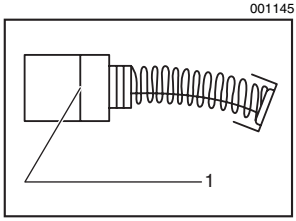

1. Limit mark

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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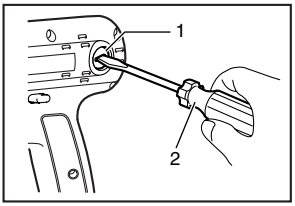

1. Brush holder cap
2. Screwdriver

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.

- Phillips bit
- Socket bit
- Bit piece
- Various type of Makita genuine batteries and chargers

Memo

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Makita Corporation Anjo, Aichi, Japan

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