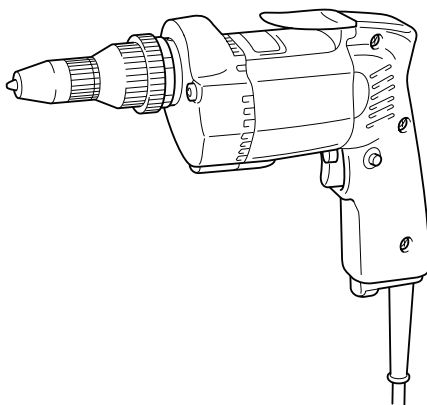


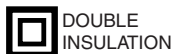


# Screwdriver

MODEL 6805BV



004143



## INSTRUCTION MANUAL

**⚠ WARNING:**

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

# SPECIFICATIONS

Model		6805BV
Capacities	Self drilling screw	6 mm
	Machine screw	8 mm
	Wood screw	6.2 mm
Bit shank size		1/4" Hex
No load speed (min <sup>-1</sup> )		0 - 2,500
Overall length		267 mm
Net weight		1.9 kg
Safety class		□ /II

- 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

END201-2

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



.....Read instruction manual.



.....DOUBLE INSULATION



.....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.

## Power supply

The tool should be connected only to a power supply of the same voltage as indicated on the nameplate, and can only be operated on single-phase AC supply. They are double-insulated in accordance with European Standard and can, therefore, also be used from sockets without earth wire.

## For European countries only

### Noise and Vibration

The typical A-weighted sound pressure level is 79 dB (A). Uncertainty is 3 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/s<sup>2</sup>.

These values have been obtained according to EN60745.

### EC-DECLARATION OF CONFORMITY

We declare under our sole responsibility that this product is in compliance with the following standards of standardized documents, EN60745, EN55014, EN61000 in accordance with Council Directives, 89/336/EEC, 98/37/EC.

*Yasuhiko Kanzaki* **CE 2005**

Director

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Responsible manufacturer:

Makita Corporation Anjo Aichi Japan

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# GENERAL SAFETY RULES

GEA001-3

## WARNING:

**Read all instructions.** Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term “power tool” in all of the warnings listed below refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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## SAVE THESE INSTRUCTIONS

### Work area safety

1. **Keep work area clean and well lit.** Cluttered and dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

### Electrical safety

4. **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.
5. **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 earthed or grounded.
6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
7. **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 or entangled cords increase the risk of electric shock.
8. **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

### Personal safety

9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

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

### Power tool use and care

16. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
17. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
18. **Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.** Such preventive safety measures reduce the risk of starting the power tool accidentally.

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19. **Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.** Power tools are dangerous in the hands of untrained users.
  20. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
  21. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
  22. **Use the power tool, accessories and tool bits etc. in accordance with these instructions and in**

**the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

#### **Service**

23. **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.
24. **Follow instruction for lubricating and changing accessories.**
25. **Keep handles dry, clean and free from oil and grease.**

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## **SPECIFIC SAFETY RULES**

GEB017-1

**DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to screwdriver safety rules. If you use this power tool unsafely or incorrectly, you can suffer serious personal injury.**

1. **Hold power tools 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.
2. **Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.**
3. **Hold the tool firmly.**
4. **Keep hands away from rotating parts.**
5. **Do not touch the bit or the workpiece immediately after operation; they may be extremely hot and could burn your skin.**

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## **SAVE THESE INSTRUCTIONS.**

### **WARNING:**

**MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.**

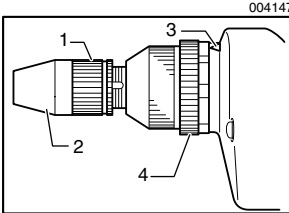
# FUNCTIONAL DESCRIPTION

**⚠ CAUTION:**

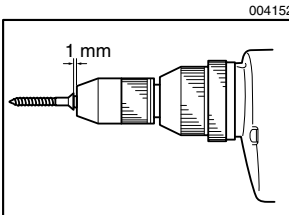
- Always be sure that the tool is switched off and unplugged before adjusting or checking function on the tool.

## Depth adjustment

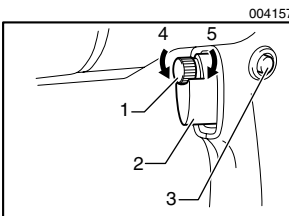
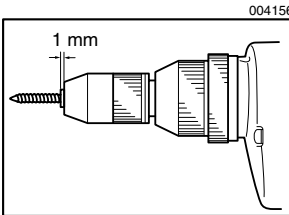
When you wish to drive self drilling screws, etc., adjust the depth as follows. Turn the locator to adjust the depth.



1. Locator
2. Front cap
3. Pointer
4. Adjusting ring



Initially, adjust the locator to create a distance of approximately 1 mm from the tip of the front cap (which works in conjunction with the locator) to the base of the screw head. One full turn of the locator equals 1 mm change in depth. After adjusting the locator, turn the adjusting ring so that the 6° mark is aligned with the pointer on the gear housing. Drive a trial screw into your material or a piece of duplicate material. If the depth is not suitable for the screw, continue adjusting until the proper depth setting is obtained.



1. Speed control screw
2. Switch trigger
3. Lock button
4. Low
5. High

## Switch action

**⚠ CAUTION:**

- Before plugging in 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. For continuous operation, pull the switch trigger and then push in the lock button.

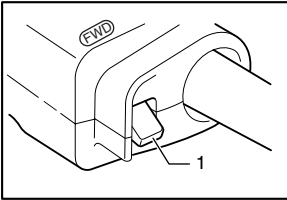
To stop the tool from the locked position, pull the switch trigger fully, then release it.

A speed control screw is provided so that maximum tool speed can be limited (variable). Turn the speed control screw clockwise for higher speed, and counterclockwise for lower speed.

**NOTE:**

- Even with the switch on and motor running, the bit will not rotate until you fit the point of the bit in the screw head and apply forward pressure to engage the clutch.

004159





1. Reversing switch lever

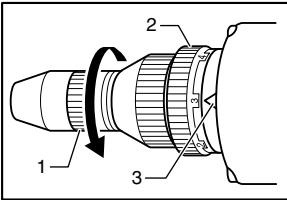
**Reversing switch action**

**⚠ 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.

This tool has a reversing switch to change the direction of rotation. Move the reversing switch lever to the  position for clockwise rotation or the  position for counterclockwise rotation.

004163



1. Locator  
2. Adjusting ring  
3. Pointer

**Adjusting the fastening torque**

When you wish to drive machine screws, wood screws, hex bolts, etc. with the predetermined torque, adjust the fastening torque as follows.

The fastening torque may be adjusted by turning the adjusting ring. Before turning the adjusting ring, turn the locator in the direction of the arrow as far as it will go without forcing. The torque is increased by turning the adjusting ring in the direction of the arrow and decreased by turning it in the opposite direction. Align the number 1 on the adjusting ring with the pointer on the gear housing. Drive a trial screw into your material or a piece of duplicate material. If the fastening torque is not suitable for the screw, continue adjusting until the proper torque is obtained.

**⚠ CAUTION:**

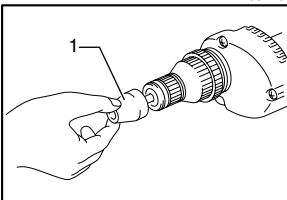
- The adjusting ring should be turned only within the numbered range. It should not be forced beyond this range.

**ASSEMBLY**

**⚠ CAUTION:**

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

004166



1. Front cap

**Installing or removing the bit**

To remove the bit, first pull the front cap off and then pull the bit out firmly.

To install the bit, insert it into the tool as far as it will go and then replace the front cap.

## OPERATION

Fit the screw on the point of the bit and place the point of the screw on the surface of the workpiece to be fastened. Apply pressure to the tool and start it. Withdraw the tool as soon as the clutch cuts in. Then release the switch trigger.

### CAUTION:

- When fitting the screw onto the point of the bit, be careful not to push in on the screw. If the screw is pushed in, the clutch will engage and the screw will rotate suddenly. This could damage a workpiece or cause an injury.
- Use the proper bit for the head of the screw that you wish to use.
- Do not continue unnecessary clutching operation.

### NOTE:

- Make sure that the driver bit is inserted straight in the screw head, or the screw and/or bit may be damaged.
- When driving wood screws, predrill pilot holes to make driving easier and to prevent splitting of the workpiece. See the chart.

C00016

Nominal diameter of wood screw (mm)	Recommended size of pilot hole (mm)
3.1	2.0
3.5	2.2
3.8	2.5
4.5	2.9
4.8	3.1
5.1	3.3
5.5	3.6
5.8	3.8
6.2	4.0

## MAINTENANCE

### CAUTION:

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

To maintain product SAFETY and RELIABILITY, repairs, carbon brush inspection and replacement, 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
- Magnetic socket bit
- Front cap
- Plastic carrying case

Makita Corporation Anjo, Aichi, Japan