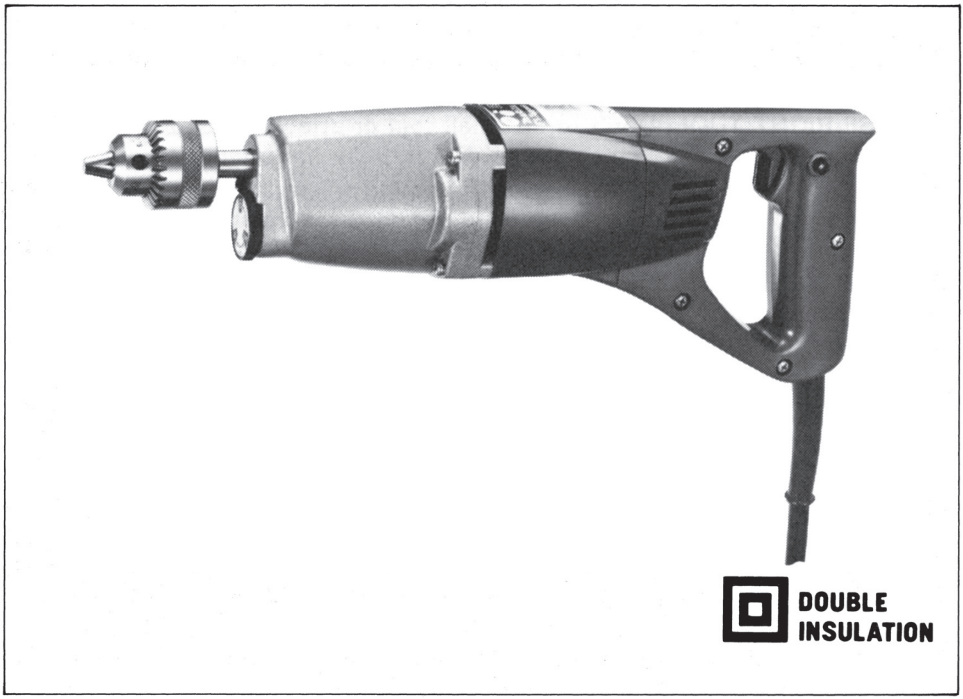
Tapper

6 mm (1/4") MODEL 6806B

INSTRUCTION MANUAL



SPECIFICATIONS

Capacities		No load speed		Overall length	Net weight
Steel	Aluminum & cast iron	Forward	Reverse		
6 mm	8 mm	380 R/min.	750 R/min.	388 mm (15-1/4")	2 kg (4.4 lbs)

* Manufacturer reserve the right to change specifications without notice.
* Note: Specifications may differ from country to country.

General Power Tool Safety Warnings

⚠ **WARNING Read all safety warnings and all instructions.** Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

Work area safety

1. **Keep work area clean and well lit.** Cluttered or 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.
9. **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.
10. **Use of power supply via a RCD with a rated residual current of 30 mA or less is always recommended.**

Personal safety

11. **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.
12. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
13. **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
14. **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.
15. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
16. **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.

17. **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

Power tool use and care

18. **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.
19. **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.
20. **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.
21. **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.
22. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
23. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
24. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, 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

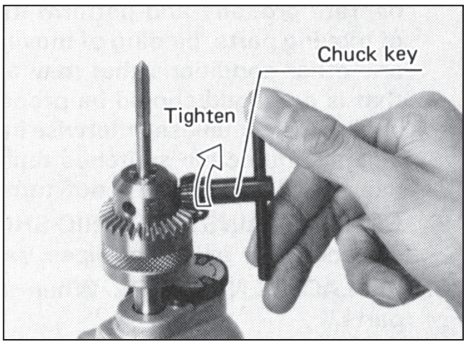
25. **Have your power tool serviced by a qualified repair person using only identical replacement parts.** This will ensure that the safety of the power tool is maintained.
26. **Follow instruction for lubricating and changing accessories.**
27. **Keep handles dry, clean and free from oil and grease.**

HOW TO USE

CAUTION:
Always be sure that the tool is switched off and unplugged before attempting to install or remove a tap.

Installing tap

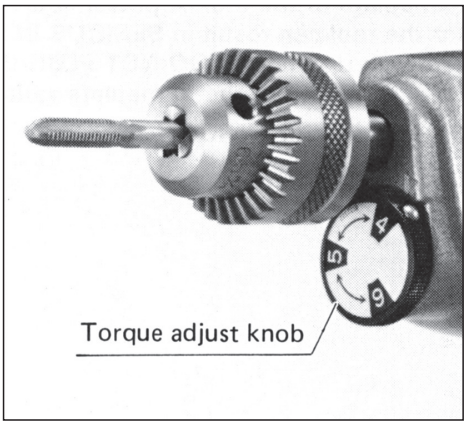
- Place a tap in chuck as far as it will go. Tighten chuck collar by hand. Place chuck key in each of three holes, and tighten clockwise.



After using the chuck key, be sure to return it to the original position.

Adjusting torque

- Torque is increased by turning the torque adjust knob clockwise, and reduced by turning it counterclockwise.
- Torque should be adjusted according to the size of the tap used. For example, if using a 4 mm tap, turn the knob so the triangular mark is aligned with the number 4.



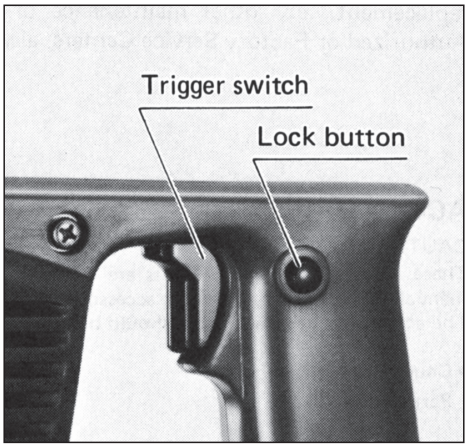
NOTE:
Adjust the torque slightly lower if tapping into metal other than steel.

Switch action

CAUTION:

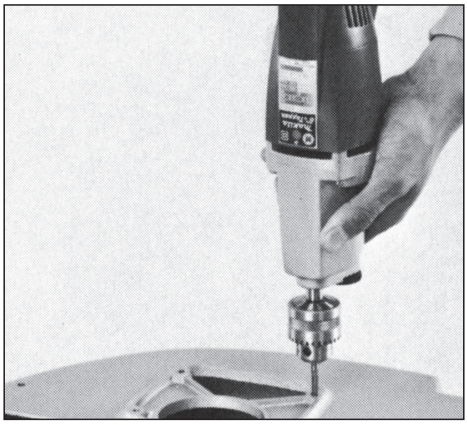
Before plugging in the tool, check the trigger action. Pull the trigger in the handle to be sure that it reverts to the OFF position after being released.

- To start the tool, simply pull the trigger. Release the trigger to stop. For continuous operation without having to keep your finger on the trigger, just pull the trigger and then push in the lock position. To stop the tool from the locked position, simply pull the trigger again and release it.



Tapping

- When the switch is turned on, the tapper will run counterclockwise. When the tap is pushed into the hole, the tapper will turn clockwise and begin tapping.
  Therefore, first run the tapper with no load (counterclockwise), insert the tip of the tap into the hole and push it in. Be sure that the tap is straight with the base hole.
  After tapping to the desired depth, pull back the tapper. If the clutch engages while tapping, pull back the tapper and begin again.



NOTE:

If tapping into a metal other than cast iron, be sure to apply grinding oil or tapping grease to the tap.

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 or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

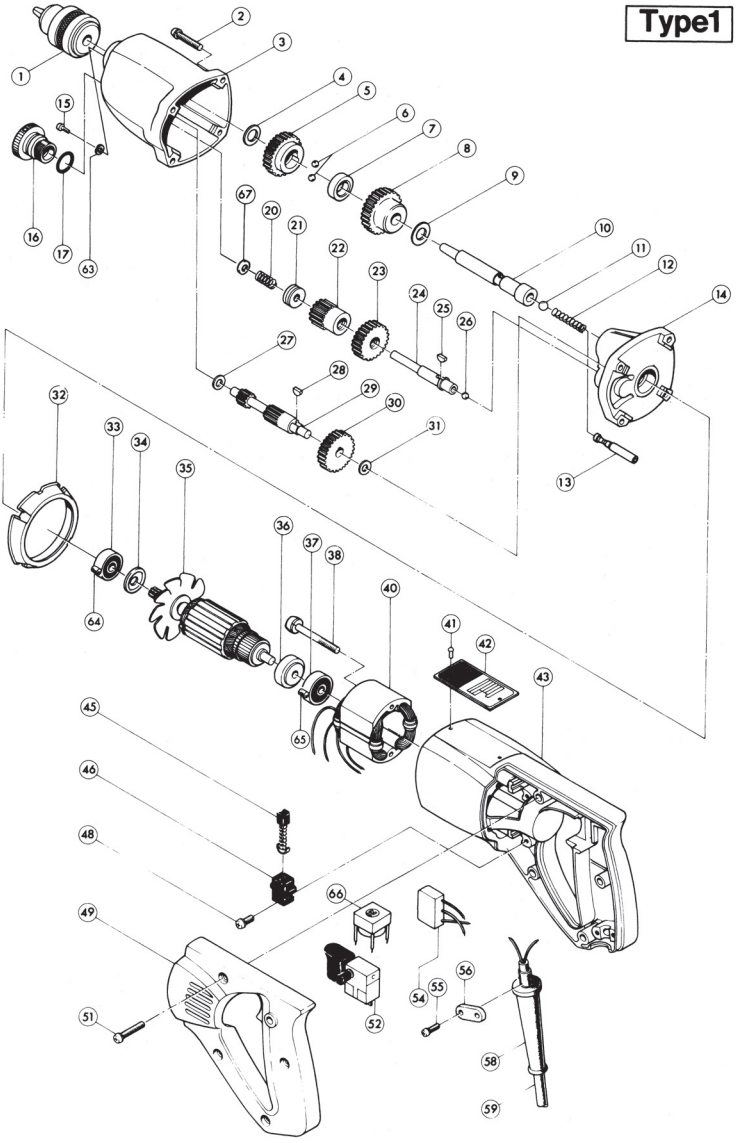
CAUTION:

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. The accessories or attachments should be used only in the proper and intended manner.

- **Chuck key**

6 mm (1/4'')
TAPPER
Model 6806B

Type1



Note: The switch, noise suppressor and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION
MACHINE		
1	1	Drill Chuck 6.5
2	4	Screw M4x35 (With Washer)
3	1	Gear Housing
4	1	Fiber Washer 12
5	1	Spur Gear 44
6	2	Steel Ball 5.6
7	1	Sleeve 17
8	1	Spur Gear 46
9	1	Fiber Washer 12
10	1	Spindle
11	1	Steel Ball 6.4
12	1	Compression Spring 4
13	1	Guide Bar
14	1	Gear Housing Cover
15	1	Pan Head Screw M4x8
16	1	Metal Box
17	1	O Ring 17
20	1	Compression Spring 9
21	1	Needle Bearing 617
22	1	Spur Gear 23
23	1	Spur Gear 37
24	1	Gear Shaft
25	1	Woodruff Key 3
26	1	Steel Ball 5.6
27	1	Fiber Washer 6
28	1	Woodruff Key 3
29	1	Spur Gear 11—13
30	1	Spiral Bevel Gear 61
31	1	Fiber Washer 6
MACHINE		
32	1	Baffle Plate
33	1	Ball Bearing 627LLB
34	1	Dust Seal 7
35	1	ARMATURE ASSEMBLY (With Item 33 — 37)
36	1	Insulation Washer
37	1	Ball Bearing 627LLB
38	2	Pan Head Screw M4x50 (With Washer & Bond)
40	1	FIELD ASSEMBLY
41	2	Rivet 0—5
42	1	Name Plate
43	1	Motor Housing
45	2	Carbon Brush
46	2	Brush Holder
48	2	Pan Head Screw M4x14 (With Washer)
49	1	Handle Cover
51	4	Screw M4x28 (With Washer)
52	1	Switch
54	1	Noise Suppressor
55	2	Pan Head Screw M4x18 (With Washer)
56	1	Strain Relief
58	1	Cord Guard
59	1	Cord
63	1	Spring Washer 4
64	1	Rubber Pin 4
65	1	Rubber Pin 4
66	1	Line Coil
67	2	Thin Washer 6

Note: The switch, noise suppressor and other part specifications may differ from country to country.

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