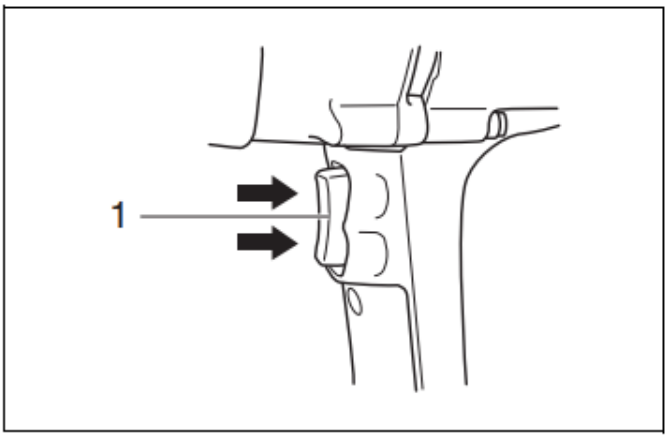
Makita Impact Wrench ¾” 6906

Versatile impact wrench for fastening nuts, bolts and even lag screws. Designed to deliver high torque output with minimal exertion.

User Benefits

- Forward and reversible operation
- Powerful torque for heavy duty industrial applications
- Slide handle adjusts 360° degrees for operation convenience at any angle
- Externally accessible carbon brushes for easy maintenance

Machine Specifications	
Standard Bolt Capacity	M16 – M22
High Tensile Bolt Capacity	M16 – M20
Square Drive	19 mm
No Load Speed	1700 min-1
Impacts per Minute	1600
Max. Festering Torque	588 Nm
Overall Length	327 mm
Sound Pressure Level (LpA)	101 dB(A)
Sound Power Level (LwA)	109 dB(A)
Vibration Emission	16.5 m/s²
Weight	5.6 kg



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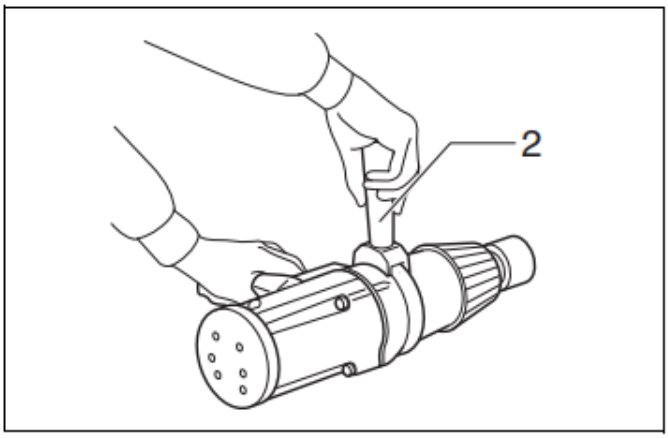

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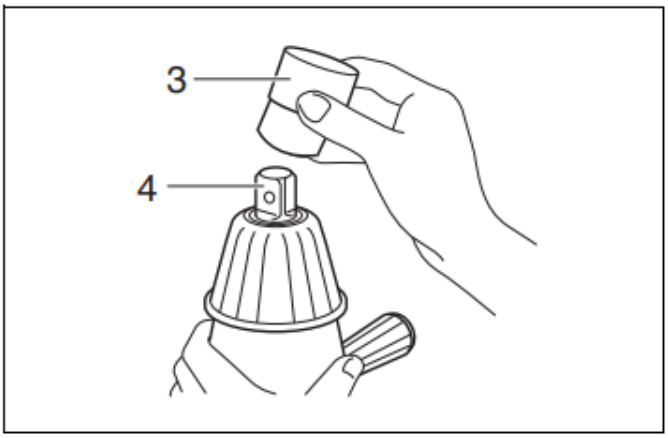

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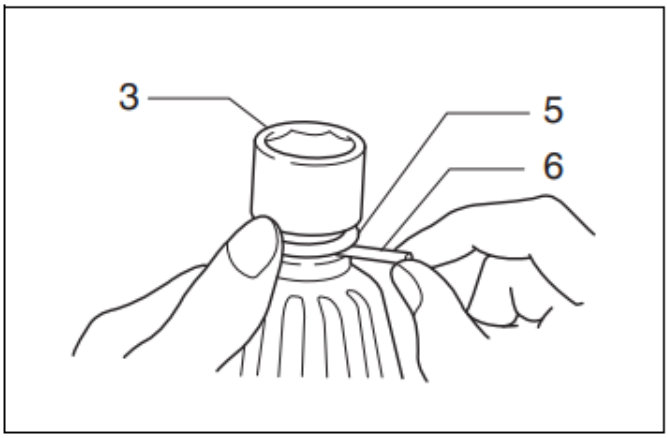

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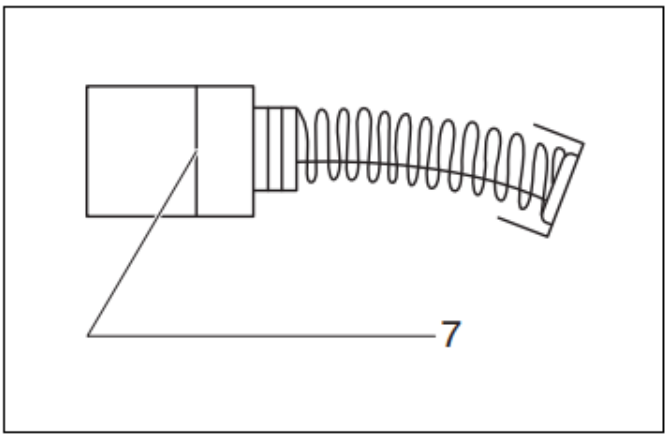

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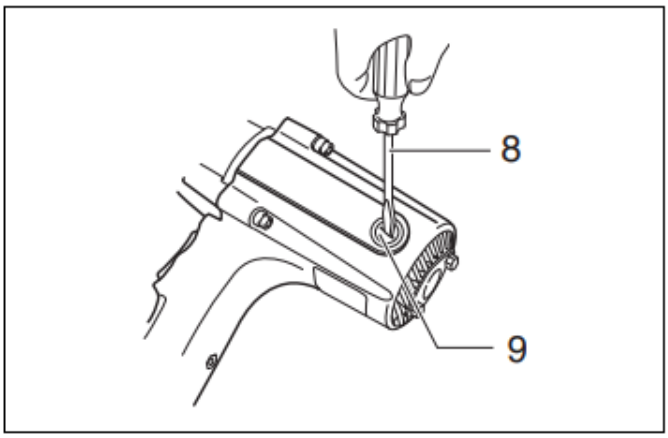

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ENGLISH (Original instructions)

Explanation of general view

1	Switch trigger	4	Anvil	7	Limit mark
2	Side grip	5	O-ring	8	Screwdriver
3	Socket	6	Pin	9	Brush holder cap

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.
- Specifications may differ from country to country.
- Weight according to EPTA-Procedure 01/2014

ENE036-1

Intended use
The tool is intended for fastening bolts and nuts.

ENF002-2

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 and can, therefore, also be used from sockets without earth wire.

GEA010-2

General power tool safety warnings

⚠ **WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool.** Failure to follow all instructions listed below 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.

GEB134-1

IMPACT WRENCH SAFETY WARNINGS

1. **Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring or its own cord.** Fasteners contacting a “live” wire may make exposed metal parts of the power tool “live” and could give the operator an electric shock.
2. **Wear ear protectors.**
3. **Check the impact socket carefully for wear, cracks or damage before installation.**
4. **Hold the tool firmly.**
5. **Keep hands away from rotating parts.**
6. **Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.**
7. **The proper fastening torque may differ depending upon the kind or size of the bolt. Check the torque with a torque wrench.**

SAVE THESE INSTRUCTIONS.

WARNING:
DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. 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.

Switch action (Fig. 1)

CAUTION:
- Before plugging in the tool, always check to see that the switch trigger actuates properly and returns to the “OFF” position when released.
- Change the direction of rotation only when the tool comes to a complete stop. Changing it before the tool stops may damage the tool.

The switch is reversible, providing either clockwise or counterclockwise rotation. To start the tool, simply pull the lower part of the switch trigger for clockwise or the upper part for counterclockwise. Release the switch trigger to stop.

ASSEMBLY

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

Installing side grip (Fig. 2)

For 6906 only

Fit the side grip into the groove on the middle of the hammer case and fasten securely.

Selecting correct socket

Always use the correct size socket for bolts and nuts. An incorrect size socket will result in inaccurate and inconsistent fastening torque and/or damage to the bolt or nut.

Installing or removing socket

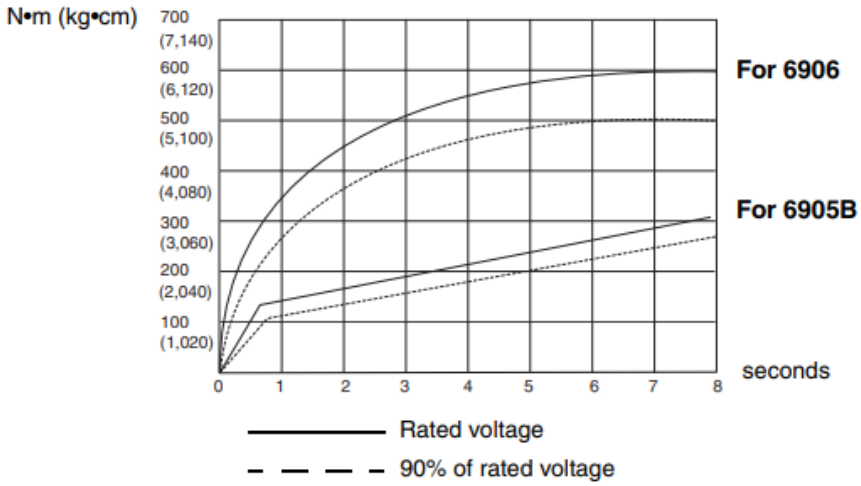
1. For socket without O-ring and pin **(Fig. 3)**
   To install the socket, push it onto the anvil of the tool until it locks into place.
   To remove the socket, simply pull it off.
2. For socket with O-ring and pin **(Fig. 4)**
   Move the O-ring out of the groove in the socket and remove the pin from the socket. Fit the socket onto the anvil of the tool so that the hole in the socket is aligned with the hole in the anvil. Insert the pin through the hole in the socket and anvil. Then return the O-ring to the original position in the socket groove to retain the pin. To remove the socket, follow the installation procedures in reverse.

OPERATION

For 6906 only

Always use the side grip (auxiliary handle) and firmly hold the tool by side grip and switch handle during operations.

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



Hold the tool firmly and place the socket over the bolt or nut. Turn the tool on and fasten for the proper fastening time.

NOTE:

- Hold the tool pointed straight at the bolt or nut.
- Excessive fastening torque may damage the bolt/nut or socket. Before starting your job, always perform a test operation to determine the proper fastening time for your bolt.

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. Voltage
   - Voltage drop will cause a reduction in the fastening torque.
2. Socket
   - Failure to use the correct size socket will cause a reduction in the fastening torque.
   - A worn socket (wear on the hex end or square end) 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 the 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 use of the universal joint or the extension bar somewhat reduces the fastening force of the impact wrench. Compensate by fastening for a longer period of time.
5. The manner of holding the tool or the material of driving position to be fastened will affect the torque.

MAINTENANCE

CAUTION:
- Always be sure that the tool is switched off and unplugged before attempting to perform inspection or maintenance.
- Never use gasoline, benzine, thinner, alcohol or the like. Discoloration, deformation or cracks may result.

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. **(Fig. 5)**
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. **(Fig. 6)**

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.

OPTIONAL 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.

- Sockets
- Extension bar
- Universal joint

NOTE:
- Some items in the list may be included in the tool package as standard accessories. They may differ from country to country.

ENG905-1

Noise

The typical A-weighted noise level determined according to EN62841-2-2:

Model 6906
Sound pressure level (L_{pA}): 101 dB (A)
Sound power level (L_{WA}): 109 dB (A)
Uncertainty (K): 3 dB (A)

NOTE:
- The declared noise emission value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.
- The declared noise emission value(s) may also be used in a preliminary assessment of exposure.

⚠ **WARNING:**
- **Wear ear protection.**
- **The noise emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.**
- **Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).**

ENG900-1

Vibration

The vibration total value (tri-axial vector sum) determined according to EN62841-2-2:

Model 6906
Work mode: impact tightening of fasteners of the maximum capacity of the tool
Vibration emission (a_h): 16.5 m/s^2
Uncertainty (K): 2.0 m/s^2

ENG901-2

NOTE:
- The declared vibration total value(s) has been measured in accordance with a standard test method and may be used for comparing one tool with another.
- The declared vibration total value(s) may also be used in a preliminary assessment of exposure.

⚠ **WARNING:**
- **The vibration emission during actual use of the power tool can differ from the declared value(s) depending on the ways in which the tool is used especially what kind of workpiece is processed.**
- **Be sure to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).**

DECLARATIONS OF CONFORMITY

For European countries only

The Declarations of conformity are included in Annex A to this instruction manual.