

Makita 6905B

Makita 6905B 1/2-Inch Square Drive Impact Wrench Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita 6905B 1/2-Inch Square Drive Impact Wrench. Please read and understand all instructions before using the tool.



Image: The Makita 6905B 1/2-Inch Square Drive Impact Wrench, featuring its turquoise body, black front housing, and a 1/2-inch square drive anvil.

2. SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools.

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. 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.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

3. PRODUCT FEATURES

The Makita 6905B Impact Wrench is designed with several features to enhance performance and user experience:

- Convenient rocker type switch for one-handed forward or reverse operation.
- Lightweight (6.0 lbs.) for reduced operator fatigue during extended use.
- Powerful 4 amp motor for superior performance under heavy-duty applications.
- Well balanced for easy handling in confined work areas.
- Metal gear housing for increased durability.
- All ball bearing construction for long tool life.
- Precision machined gears for long production usage.
- Externally accessible brushes for easy inspection and replacement.
- Double insulated design for enhanced safety.

4. SETUP

Before operating the impact wrench, ensure proper setup:

1. **Power Connection:** Connect the tool to a power source that matches the voltage specified on the tool's nameplate. Ensure the power outlet is properly grounded if required.
2. **Socket Installation:** Select the appropriate 1/2-inch square drive impact socket for your application. Push the socket firmly onto the anvil until it locks into place. Ensure the socket is securely seated before operation.
3. **Workpiece Preparation:** Ensure the workpiece is stable and secured. Clear the work area of any obstructions.

5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your impact wrench:

1. **Direction of Rotation:** The Makita 6905B features a rocker type switch for forward and reverse operation. Press the top part of the switch for forward rotation (tightening) and the bottom part for reverse rotation (loosening).
2. **Starting the Tool:** With the desired direction selected, firmly grip the tool and place the socket onto the fastener. Press the trigger switch to start the tool.
3. **Applying Torque:** Allow the tool to impact the fastener until the desired tightness is achieved. Avoid over-tightening, which can damage fasteners or the workpiece.
4. **Stopping the Tool:** Release the trigger switch to stop the tool.
5. **Cool Down:** For prolonged heavy-duty use, allow the tool to cool down periodically to prevent overheating.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool:

- **Cleaning:** Keep the tool's ventilation openings clean to prevent overheating. Wipe the tool body with

a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

- **Brush Inspection/Replacement:** The carbon brushes are externally accessible for easy inspection and replacement. Regularly check the brushes for wear. Replace both brushes when either is worn down to the limit mark. Refer to the diagram in the full service manual for specific brush replacement instructions.
- **Cord Inspection:** Regularly inspect the power cord for damage. If damaged, have it repaired by a qualified service technician.
- **Lubrication:** This tool is designed for long-term operation without additional lubrication. Do not attempt to lubricate internal components unless specified by a qualified service center.
- **Storage:** Store the tool in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

If you encounter issues with your Makita 6905B, refer to the following common troubleshooting steps:

- **Tool Does Not Start:**
 - Check if the power cord is securely plugged into a working outlet.
 - Verify that the power source voltage matches the tool's requirements.
 - Inspect the carbon brushes for wear and replace if necessary.
- **Reduced Power/Performance:**
 - Ensure the correct size and type of socket is being used.
 - Check for excessive wear on the carbon brushes.
 - Ensure the ventilation openings are not blocked, which can lead to overheating and reduced performance.
- **Excessive Noise or Vibration:**
 - Stop operation immediately.
 - Check for loose components or damaged parts.
 - If the issue persists, discontinue use and contact Makita service.

For issues not covered here, or if troubleshooting steps do not resolve the problem, contact an authorized Makita service center.

8. SPECIFICATIONS

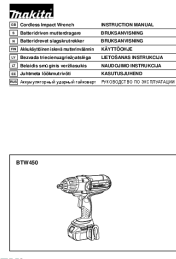
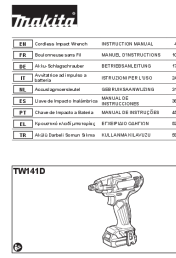
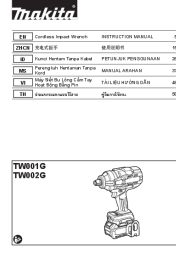
Specification	Value
Model Number	6905B
Square Drive	1/2 inch
Bolt Drive Capacity	1/2 inch - 3/4 inch
Impacts Per Minute (IPM)	2,000
No Load Speed (RPM)	1,700

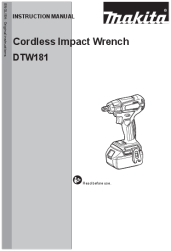
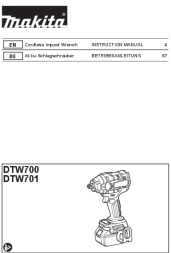
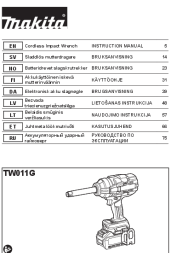
Specification	Value
Max. Torque	217 ft.lbs.
Amperage (115V)	4.0 Amps
Overall Length	10-1/4 inches
Net Weight	6.0 lbs (2.72 kg)
Insulation	Double Insulated
Material	Rubber (handle grip) / Metal (gear housing)
Color	Turquoise

9. WARRANTY AND SUPPORT

Makita power tools are manufactured under strict quality control standards. For information regarding warranty coverage, service, or to locate an authorized service center, please refer to the warranty card included with your product or visit the official Makita website. Do not attempt to repair the tool yourself, as this may void the warranty and could lead to personal injury.

Related Documents - 6905B

	<p>Makita BTW450 Cordless Impact Wrench Instruction Manual</p> <p>Comprehensive instruction manual for the Makita BTW450 Cordless Impact Wrench, detailing specifications, operation, safety guidelines, and maintenance procedures. Learn how to safely and effectively use your Makita power tool.</p>
	<p>Makita TW141D Cordless Impact Wrench: Instruction Manual</p> <p>Official instruction manual for the Makita TW141D Cordless Impact Wrench. Contains detailed specifications, safety warnings, operating procedures, assembly, maintenance, and accessory information.</p>
	<p>Makita TW001G & TW002G Cordless Impact Wrench Instruction Manual</p> <p>Official instruction manual for Makita TW001G and TW002G cordless impact wrenches. Covers safety, operation, specifications, and maintenance for optimal tool performance.</p>

	<p>Makita DTW181 Cordless Impact Wrench Instruction Manual</p> <p>This manual provides instructions for the safe and effective use of the Makita DTW181 Cordless Impact Wrench. It covers specifications, safety warnings, operating instructions, maintenance, and optional accessories.</p>
	<p>Makita DTW700 & DTW701 Cordless Impact Wrench Instruction Manual</p> <p>This instruction manual provides detailed operating, safety, and maintenance information for the Makita DTW700 and DTW701 cordless impact wrenches, designed for efficient fastening of bolts and nuts.</p>
	<p>Makita TW011G Cordless Impact Wrench Instruction Manual</p> <p>Official instruction manual for the Makita TW011G cordless impact wrench, detailing specifications, operation, safety, and maintenance for effective use.</p>