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> [CRAFTSMAN CMEF901 1/2-inch 7.5 Amp Corded Impact Wrench Instruction Manual](#)

CRAFTSMAN CMEF901

CRAFTSMAN CMEF901 1/2-inch 7.5 Amp Corded Impact Wrench Instruction Manual

Model: CMEF901

INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your CRAFTSMAN CMEF901 1/2-inch 7.5 Amp Corded Impact Wrench. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.

SAFETY INFORMATION

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Keep this manual for future reference.

- **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. Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating power tools for extended periods. Dress properly; avoid loose clothing or jewelry.
- **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.

PRODUCT OVERVIEW

The CRAFTSMAN CMEF901 is a robust 1/2-inch corded impact wrench designed for efficient fastening and loosening tasks. Its powerful motor and specialized features enhance performance and user control.



Figure 1: The CRAFTSMAN CMEF901 1/2-inch 7.5 Amp Coded Impact Wrench, showcasing its ergonomic design and robust construction.

Key Features:

- **7.5 Amp Motor:** Provides consistent power for demanding applications.
- **1/2-inch Hog Ring Anvil:** Facilitates quick and easy socket changes, improving workflow efficiency.
- **Max 450 ft.-lbs. Torque:** Delivers significant power for fast removal of large and stubborn fasteners.
- **2,700 Impacts Per Minute (IPM):** Ensures rapid fastening and loosening.
- **Max 2,200 Revolutions Per Minute (RPM):** Offers high-speed operation.
- **Variable Speed Trigger:** Allows for precise control over the tool's speed, enhancing versatility for various tasks.



Figure 2: Detailed view of the impact wrench highlighting the 450 ft-lbs max torque and the hog ring anvil for easy socket changes.

SETUP

Before operating the impact wrench, ensure it is properly set up and all safety measures are in place.

- 1. Power Source:** Connect the impact wrench to a standard 120V AC power outlet. Ensure the power cord is free from damage and positioned to avoid tripping hazards.
- 2. Attaching Sockets:**
 - Select the appropriate 1/2-inch drive impact-rated socket for your application.
 - Align the square drive of the socket with the hog ring anvil on the impact wrench.
 - Push the socket firmly onto the anvil until it clicks into place, indicating a secure connection.
 - To remove, simply pull the socket off the anvil.
- 3. Direction of Rotation:** Locate the forward/reverse switch (often marked 'F' and 'R' or with arrows) near the trigger. Set it to the desired direction for tightening or loosening.

OPERATING INSTRUCTIONS

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

1. **Secure Workpiece:** Ensure the item you are working on is stable and secure.
2. **Position the Tool:** Place the socket squarely onto the fastener (nut or bolt head).
3. **Start Operation:** Depress the variable speed trigger to start the tool. The speed will increase as you press the trigger further.
4. **Apply Torque:** Allow the tool to impact the fastener until it is sufficiently tightened or loosened. Avoid over-tightening, which can damage fasteners or the workpiece.
5. **Release Trigger:** Release the trigger to stop the tool.



**REMOVE LARGE FASTENERS QUICKLY WITH MAX 450 FT.-LBS. TORQUE
AND 2,700 IPM**

Figure 3: An individual using the CRAFTSMAN impact wrench to remove lug nuts from a truck wheel, demonstrating its application for heavy-duty tasks.



Figure 4: A close-up view of the variable speed trigger and forward/reverse selector, providing precise control during operation.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your impact wrench.

- **Cleaning:** After each use, wipe the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners. Keep ventilation openings clear of dust and debris.
- **Cord Inspection:** Regularly inspect the power cord for cuts, abrasions, or damage. Replace damaged cords immediately to prevent electrical hazards.
- **Storage:** Store the impact wrench in a dry, secure location out of reach of children.
- **Carbon Brushes:** This tool uses a brushed motor. Periodically check the carbon brushes for wear. Refer to a qualified service technician for brush replacement if necessary.

TROUBLESHOOTING

Refer to this section for solutions to common issues.

Problem	Possible Cause	Solution
Tool does not start.	No power supply; damaged cord; faulty switch.	Check power outlet and cord. Ensure switch is in the ON position. If problem persists, seek professional service.
Reduced power or intermittent operation.	Low voltage; worn carbon brushes; internal damage.	Ensure adequate power supply. Inspect carbon brushes (if accessible). Contact service center for internal issues.
Excessive vibration or noise.	Loose components; internal wear.	Discontinue use immediately. Have the tool inspected by a qualified technician.

SPECIFICATIONS

Technical specifications for the CRAFTSMAN CMEF901 Impact Wrench.

Model Number	CMEF901
Power Source	Corded Electric
Amperage	7.5 Amps
Drive Size	1/2 inch
Max Torque	450 ft.-lbs.
Impacts Per Minute (IPM)	2,700 IPM
No-Load Speed (RPM)	2,200 RPM
Item Weight	8.73 Pounds
Item Length	13 Inches
Material	Metal

WARRANTY AND SUPPORT

CRAFTSMAN products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official CRAFTSMAN website. For technical support, service, or replacement parts, please contact CRAFTSMAN customer service.

Online Support: www.craftsman.com

