

[Manuals.plus](#) /

› [Chicago Electric Power Tools](#) /

› 3 in. Heavy Duty Electric Cut-Off Tool HFJ14 User Manual

Chicago Electric Power Tools HFJ14

3 in. Heavy Duty Electric Cut-Off Tool HFJ14 User Manual

Model: HFJ14

Brand: Chicago Electric Power Tools

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your 3 in. Heavy Duty Electric Cut-Off Tool, model HFJ14. Please read this manual thoroughly before initial use and retain it for future reference. Understanding and following these instructions will ensure optimal performance and extend the lifespan of your tool.



An overhead view of the Chicago Electric Power Tools 3 in. Heavy Duty Electric Cut-Off Tool, featuring its red body, silver head, and a black guard covering the 3-inch cutting disc.

SAFETY INFORMATION

Always observe basic safety precautions when using this product to reduce the risk of fire, electric shock, and personal

injury.

General Safety Rules

- Read all safety warnings and instructions provided with the tool. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.
- Keep your 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. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce risk of electric shock.
- 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.
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

Personal Safety

- 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.
- Use personal protective equipment (PPE). Always wear eye protection, such as safety goggles or a face shield. Hearing protection, dust masks, and heavy-duty gloves are also recommended.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.

Power Tool Use and Care

- 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.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 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.

Specific Safety Warnings for Cut-Off Tools

- Always use a guard. The guard protects the operator from broken wheel fragments, accidental contact with the cutting disc, and sparks.
- Use only cutting discs with a maximum operating speed rating at least equal to the maximum speed marked on the power tool.
- Do not use the tool for grinding. This tool is designed exclusively for cutting applications.
- Inspect the cutting disc before each use for cracks, chips, or other damage. Do not use damaged discs.
- Maintain a firm grip on the tool with both hands during operation. Loss of control can lead to personal injury.

SETUP

Unpacking

- Carefully remove the tool and all accessories from the packaging.
- Inspect the tool for any signs of damage that may have occurred during shipping. Do not operate a damaged tool.

Attaching the Cutting Disc

1. Ensure the tool is unplugged from the power source before attempting to attach or change the cutting disc.
2. Use the provided hex key and open-end wrench to loosen the arbor nut on the tool's head.
3. Place the 3-inch cutting disc onto the arbor, ensuring it is centered and seated correctly against the inner flange.
4. Replace the outer flange and tighten the arbor nut securely with the wrench. Do not overtighten.

Power Connection

Connect the tool's power cord to a standard 120V AC outlet. Ensure the outlet is properly grounded and capable of supplying the required amperage (3 Amps).

OPERATING

General Operation

- Before starting any cutting operation, ensure the workpiece is securely clamped or held to prevent movement during the cut.
- Always wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and heavy-duty gloves.
- Hold the tool firmly with both hands to maintain control.

Starting and Stopping

- To start the tool, depress the trigger switch located on the handle.
- To stop the tool, release the trigger switch. The cutting disc will slow down and stop.

Cutting Procedure

- Allow the cutting disc to reach full operating speed (20,000 RPM) before making contact with the workpiece.
- Apply light, consistent pressure to the tool. Do not force the tool through the material, as this can cause kickback or damage the disc.
- Guide the tool smoothly through the material, maintaining a steady cutting line.
- Avoid twisting or binding the disc in the cut, which can lead to disc breakage.
- After completing the cut, allow the disc to stop completely before setting the tool down or moving it away from the workpiece.

The tool is designed for cutting various materials such as straps, hangers, exhaust systems, and sheet metal. It is capable of cutting to a maximum depth of 1 inch.

MAINTENANCE

Cleaning

- Always disconnect the tool from the power source before performing any cleaning or maintenance.
- Use a clean, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals, solvents, or abrasive cleaners, as they may damage the plastic components.
- Keep the ventilation openings clear of dust and debris to ensure proper motor cooling. Use compressed air if necessary to clear vents.

Disc Replacement

- Replace cutting discs when they become worn, chipped, cracked, or otherwise damaged. A dull or damaged disc can reduce cutting efficiency and increase the risk of injury.
- Follow the instructions in the "Attaching the Cutting Disc" section for safe and proper replacement.

Storage

- Store the tool in a dry, secure location that is out of reach of children and unauthorized users.
- Protect the power cord from damage during storage. Avoid kinking or wrapping the cord tightly around the tool.

TROUBLESHOOTING

Before contacting customer support, please refer to the following table for common issues and their solutions.

Problem	Possible Cause	Solution
Tool does not start	No power supply	Check power cord connection and ensure the outlet is functional.
Tool loses power during operation	Overload or worn carbon brushes	Reduce cutting pressure. If problem persists, consult qualified service personnel for brush inspection and replacement.
Excessive vibration	Damaged or improperly installed disc	Inspect the cutting disc for damage and replace if necessary. Ensure the disc is securely and correctly mounted.
Poor cutting performance	Worn or incorrect disc	Replace with a new, appropriate 3-inch cutting disc. Ensure it is rated for the material being cut.

For issues not listed above, or if the suggested solutions do not resolve the problem, please contact Chicago Electric Power Tools customer support for further assistance.

SPECIFICATIONS

Technical Data

- **Model:** HFJ14
- **Power Source:** Corded Electric
- **Wattage:** 1400 watts
- **Amperage Capacity:** 3 Amps
- **Blade Length/Disc Diameter:** 3 Inches
- **Maximum Speed (RPM):** 20,000 RPM
- **Item Weight:** 3.2 Pounds
- **Product Dimensions:** 10.5 x 3.38 x 3.5 inches
- **Material:** Acrylonitrile Butadiene Styrene
- **Included Components:** Hex key and open end wrench

WARRANTY AND SUPPORT

For detailed warranty information, product registration, or technical support, please refer to the official Chicago Electric Power Tools website or contact their customer service department directly. It is recommended to keep your purchase receipt as proof of purchase for any warranty claims.

You can typically find contact information and support resources on the manufacturer's official website:

- **Website:** [Harbor Freight Tools \(Parent Company\)](#)

© 2023 Chicago Electric Power Tools. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question