

## Milwaukee 3453-22

# Milwaukee M12 Fuel 1/4" HEX Impact Driver Kit User Manual

Model: 3453-22

## INTRODUCTION

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This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Milwaukee M12 Fuel 1/4" HEX Impact Driver Kit. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury.

The Milwaukee M12 Fuel 1/4" HEX Impact Driver Kit is a powerful and compact cordless tool designed for various fastening applications. It features a brushless motor, multiple drive modes, and integrated LED lighting for enhanced productivity.

## GENERAL SAFETY INFORMATION

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

- **Work Area Safety:** 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.
- **Electrical Safety:** Avoid body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating the tool 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 battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs or tools that are damaged or modified.

## KIT COMPONENTS

Your Milwaukee M12 Fuel 1/4" HEX Impact Driver Kit typically includes the following items:

- M12 Fuel 1/4" HEX Impact Driver
- M12 REDLITHIUM™ Battery Packs (x2)
- M12™ Lithium-ion Battery Charger
- Tool Case



Image: The Milwaukee M12 Fuel 1/4" HEX Impact Driver Kit, showing the red and black impact driver, two M12 REDLITHIUM battery packs, a red M12 charger, and a red Milwaukee branded tool case.

## SETUP AND ASSEMBLY

### 1. Charging the Battery Pack

1. Connect the charger to a power outlet. The indicator light will illuminate green.
2. Slide the battery pack into the charger. The indicator light will turn red, indicating charging is in progress.
3. Once fully charged, the indicator light will turn green. Remove the battery pack from the charger.
4. *Note:* New battery packs are not fully charged and should be charged before first use.

### 2. Installing/Removing the Battery Pack

- **To Install:** Align the battery pack with the receptacle on the tool handle. Slide the battery pack into the tool until it latches securely in place.
- **To Remove:** Press the release button on the battery pack and slide the battery out of the tool.

### 3. Installing/Removing Accessories (Bits)

- **To Install:** Pull the chuck collar forward. Insert the 1/4" hex shank accessory fully into the chuck. Release the chuck collar to lock the accessory in place. Tug on the accessory to ensure it is securely seated.
- **To Remove:** Pull the chuck collar forward and pull the accessory out of the chuck.

## OPERATING INSTRUCTIONS

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### 1. Powering On/Off and Speed Control

- **To Turn On:** Pull the trigger. The tool speed increases with increased trigger pressure.
- **To Turn Off:** Release the trigger.
- **Forward/Reverse:** The forward/reverse selector switch is located above the trigger. Push the switch to the left for forward rotation and to the right for reverse rotation. Center position locks the trigger.

### 2. 4-Mode Drive Control

The impact driver features a 4-Mode Drive Control system, allowing you to select the appropriate speed and power for different applications. Press the mode selection button to cycle through the modes.

- **Mode 1:** Lower speed and torque for precision work and delicate materials.
- **Mode 2:** Medium speed and torque for general fastening applications.
- **Mode 3:** High speed and torque (up to 3600 RPMs) for heavy-duty fastening.
- **Self-Tapping Screw Mode:** Optimized for self-tapping screws, providing controlled speed to prevent over-tightening and stripping.

### 3. Tri-LED Illumination

The integrated Tri-LED lights illuminate the workspace, providing better visibility in dimly lit areas. The lights activate when the trigger is pulled.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your tool.

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a soft, damp cloth to clean the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Lubrication:** This tool is designed for a long life without additional lubrication.
- **Battery Care:** Store battery packs in a cool, dry place. Do not store them in direct sunlight or where temperatures exceed 120°F (50°C). For long-term storage, charge batteries to about 50% capacity.
- **Inspection:** Periodically inspect the tool for any damaged parts, loose screws, or worn components. If any damage is found, have it repaired by a qualified service technician.

## TROUBLESHOOTING

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Problem	Possible Cause	Solution
Tool does not start.	Battery pack not installed correctly or discharged. Trigger lock engaged.	Ensure battery is fully inserted and charged. Check forward/reverse selector is not in center (locked) position.
Reduced power or speed.	Battery pack low on charge. Tool overheating.	Recharge battery pack. Allow tool to cool down if used continuously.

Problem	Possible Cause	Solution
Bit wobbles or falls out.	Bit not fully inserted or chuck collar not released properly. Incorrect bit type.	Ensure bit is fully inserted and chuck collar is released to lock it. Use only 1/4" hex shank bits.
Charger indicator light not working.	Charger not plugged in. Faulty charger or battery.	Check power connection. If problem persists, contact Milwaukee service.

## SPECIFICATIONS

Feature	Detail
Model Number	3453-22
Power Source	Battery Powered
Voltage	12 Volts
Amperage	2 Amps
Maximum Rotational Speed	3600 RPM
Maximum Torque	1500 Inch Pounds
Chuck Size	0.25 Inches (1/4" Hex)
Length	5 inches (tool only)
Weight	Approximately 1 pound (tool only)
Special Features	Brushless Motor, Tri-LED, 4-Mode Drive Control (including Self-Tapping Screw Mode)
Included Components	Impact Driver, 2 Batteries, Charger, Tool Case

## WARRANTY INFORMATION

This Milwaukee tool comes with a manufacturer's warranty. For specific details regarding the warranty period and coverage, please refer to the warranty card included with your product or visit the official Milwaukee website. Keep your purchase receipt as proof of purchase for warranty claims.

## CUSTOMER SUPPORT

For technical assistance, service, or replacement parts, please contact Milwaukee customer support. You can find contact information on the official Milwaukee website or in the documentation provided with your product.

**Website:** [www.milwaukeetool.com](http://www.milwaukeetool.com)

**Model Number:** 3453-22

**UPC:** 045242616565