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Milwaukee 3692-22CT

Milwaukee M18 Compact Brushless 2-Tool Combo Kit (3692-22CT) Instruction Manual

Introduction

This instruction manual provides essential information for the safe operation, maintenance, and troubleshooting of your Milwaukee M18 Compact Brushless 2-Tool Combo Kit. This kit includes the 3601-20 M18 Compact Brushless 1/2" Drill/Driver and the 3650-20 M18 Compact Brushless 1/4" Hex Impact Driver, along with two M18 REDLITHIUM CP2.0 Batteries and an M18 & M12 Multi-Voltage Charger. Please read this manual thoroughly before using the tools.

General Safety Information

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

- **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:** Power tool plugs must match the outlet. Never modify the plug in any way. Avoid body contact with earthed or grounded surfaces.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating power tools 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 and/or remove the battery pack before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Package Contents

Your Milwaukee M18 Compact Brushless 2-Tool Combo Kit includes the following items:

- One (1) Milwaukee 3601-20 M18 Compact Brushless 1/2" Drill/Driver
- One (1) Milwaukee 3650-20 M18 Compact Brushless 1/4" Hex Impact Driver
- Two (2) Milwaukee 48-11-1820 M18 REDLITHIUM CP2.0 Batteries
- One (1) Milwaukee 48-59-1812 M18 & M12 Multi-Voltage Charger
- One (1) Contractor Bag



Image: Complete Milwaukee M18 Compact Brushless 2-Tool Combo Kit, showing the drill, impact driver, two batteries, charger, and a red contractor bag.

Product Overview

Milwaukee 3601-20 M18 Compact Brushless 1/2" Drill/Driver

This compact drill/driver is designed for versatility and power, featuring a brushless motor for extended runtime and durability. It includes a 1/2" chuck for various drilling and driving applications.



Image: Close-up of the Milwaukee 3601-20 M18 Compact Brushless 1/2" Drill/Driver.



Image: Diagram highlighting key features of the Milwaukee M18 Compact Brushless 1/2" Drill/Driver, including its 5.7" length, all-metal gearcase, new M-Clutch design, all-new chuck, variable speed trigger, premium rubber overmold, LED worklight, brushless motor (550 in-lbs peak torque), two-speed control (0-550 RPM, 0-1700 RPM), REDLINK Intelligence, and belt clip.

- **Brushless Motor:** Delivers 550 in-lbs of peak torque.
- **Two Speed Control:** 0-550 RPM for high torque applications and 0-1700 RPM for high-speed drilling.
- **All-Metal Gearcase:** Enhances durability.
- **New M-Clutch Design:** Provides a wider range of torque settings for improved fastening performance.
- **All-New Chuck:** Improves bit retention and increases durability.
- **LED Worklight:** Illuminates the work area.
- **REDLINK Intelligence:** Advanced electronic system for optimized performance and overload protection.

Milwaukee 3650-20 M18 Compact Brushless 1/4" Hex Impact Driver

This impact driver offers powerful fastening in a compact design, ideal for driving screws and fasteners quickly and efficiently.



Image: Close-up of the Milwaukee 3650-20 M18 Compact Brushless 1/4" Hex Impact Driver.



Image: Diagram highlighting key features of the Milwaukee M18 Compact Brushless 1/4" Hex Impact Driver, including its 4.4" length, metal 1/4" collet, all-metal gearcase, brushless motor (1,700 in-lbs peak torque), forward/reverse switch, variable speed trigger (0-3,600 RPM), REDLINK Intelligence, LED worklight, premium rubber overmold, tool lanyard, and belt clip.

- **Brushless Motor:** Delivers up to 1,700 in-lbs of peak torque.
- **Metal 1/4" Hex Collet:** Provides improved bit retention and increased durability.
- **Variable Speed Trigger:** Offers precise control from 0-3,600 RPM.
- **LED Worklight:** Illuminates the work area.
- **REDLINK Intelligence:** Advanced electronic system for optimized performance and overload protection.

Setup

1. Battery Installation and Removal

1. **To Install:** Align the battery pack with the base of the tool handle. Slide the battery into the tool until it clicks securely into place.
2. **To Remove:** Press the release button on the battery pack and slide the battery out of the tool.

2. Battery Charging

Use the provided Milwaukee 48-59-1812 M18 & M12 Multi-Voltage Charger to charge your M18 REDLITHIUM CP2.0 Batteries.

1. Plug the charger into a standard electrical outlet.
2. Slide the battery pack onto the charger. The indicator light on the charger will show the charging status. Refer to the charger manual for specific indicator light meanings.
3. Once fully charged, remove the battery pack from the charger.

Note: New batteries may require a few full discharge/charge cycles to reach optimal performance. If a battery does not charge, ensure it is properly seated and the charger is connected to power. Consult the charger manual for troubleshooting indicator lights.

3. Bit Installation

For 3601-20 M18 Compact Brushless 1/2" Drill/Driver:

1. Rotate the chuck counter-clockwise to open the jaws.
2. Insert the drill bit or driver bit into the chuck. Ensure the bit is centered.
3. Rotate the chuck clockwise to tighten the jaws securely around the bit. Hand-tighten firmly.

For 3650-20 M18 Compact Brushless 1/4" Hex Impact Driver:

1. Pull the collet forward to unlock the bit holder.
2. Insert the 1/4" hex shank bit into the collet.
3. Release the collet. The bit will lock into place. Pull on the bit to ensure it is securely fastened.

Operation

1. Powering On/Off and Speed Control

- **To Start:** Squeeze the variable speed trigger. The tool speed increases as you squeeze the trigger further.
- **To Stop:** Release the variable speed trigger.
- **Forward/Reverse:** Use the forward/reverse switch (located above the trigger) to select the direction of rotation. Ensure the switch is fully engaged in either forward or reverse before operating.
- **Lock-Off:** Position the forward/reverse switch in the center to lock the trigger and prevent accidental starting.

2. Milwaukee 3601-20 M18 Compact Brushless 1/2" Drill/Driver Specifics

- **Clutch Settings:** The clutch collar allows you to adjust the torque output. Use lower settings for driving small screws into soft materials and higher settings for larger screws or harder materials. The drill mode (indicated by a drill bit icon) provides maximum torque for drilling.
- **Speed Selector:** Use the speed selector switch on top of the tool to choose between low speed (1) for high torque applications (e.g., driving large fasteners) and high speed (2) for faster drilling.



Image: A person using the Milwaukee M18 Compact Brushless 1/2" Drill/Driver to drill a hole into a wooden beam.

3. Milwaukee 3650-20 M18 Compact Brushless 1/4" Hex Impact Driver Specifics

- **Impact Mechanism:** The impact driver applies rotational and tangential impacts to the fastener, making it highly effective for driving long screws or fasteners into dense materials.
- **Controlling Torque:** Torque is primarily controlled by the pressure applied to the variable speed trigger. Start with less pressure and increase as needed to avoid over-tightening or stripping fasteners.



Image: A person using the Milwaukee M18 Compact Brushless 1/4" Hex Impact Driver to drive a screw into a wooden board.

4. LED Worklight

Both tools are equipped with an LED worklight that illuminates the work surface when the trigger is pressed. The light will remain on for a few seconds after the trigger is released.

Maintenance

Regular maintenance ensures optimal performance and extends the life of your tools.

- **Cleaning:** Keep the tool's ventilation openings clear and free of debris. Use a soft brush or compressed air to clean dust and chips from the tool. Do not use water or chemical cleaning agents.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight and extreme temperatures. Do not store batteries in a discharged state for extended periods.
- **Inspection:** Periodically inspect the tools for any damage, loose screws, or worn parts. If any damage is found, have the tool serviced by a qualified technician.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged. Forward/reverse switch in lock-off position.	Ensure battery is fully charged and properly seated. Move forward/reverse switch out of the center lock-off position.
Battery not charging.	Charger not plugged in. Battery not seated correctly on charger. Faulty battery or charger.	Verify charger is plugged into a live outlet. Re-seat the battery on the charger. Refer to the charger manual for indicator light troubleshooting. If issues persist, contact customer support.
Reduced power or performance.	Battery is low. Tool is overloaded. Worn or dull bit.	Charge the battery. Reduce the load on the tool. Replace or sharpen the bit.

Problem	Possible Cause	Solution
Bit slips in chuck (Drill/Driver).	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Ensure the chuck is hand-tightened firmly. Clean or replace the bit.
Bit does not lock in impact driver.	Collet not pulled forward enough. Incorrect bit type (must be 1/4" hex shank).	Pull the collet fully forward before inserting the bit. Ensure you are using a 1/4" hex shank bit.

Specifications

Feature	Milwaukee 3601-20 Drill/Driver	Milwaukee 3650-20 Impact Driver
Model Number	3601-20	3650-20
Voltage	18V DC	18V DC
Chuck Size / Collet	1/2" All-Metal Chuck	1/4" Hex Collet
Peak Torque	550 in-lbs	1,700 in-lbs
No-Load RPM (Speed 1)	0-550 RPM	N/A
No-Load RPM (Speed 2)	0-1700 RPM	0-3600 RPM
Motor Type	Brushless	Brushless
Tool Length	5.7 inches	4.4 inches

Overall Kit Dimensions: Approximately 12.6 x 10.35 x 7.56 inches (Product Dimensions from specifications).
Overall Kit Weight: Approximately 9.52 pounds (Item Weight from specifications).
Battery Type: M18 REDLITHIUM CP2.0 (Lithium Ion)
Charger Model: 48-59-1812 M18 & M12 Multi-Voltage Charger

Warranty Information

This Milwaukee product is covered by a Manufacturer Warranty. For specific details regarding warranty coverage, duration, and claims process, please refer to the warranty documentation included with your product or visit the official Milwaukee website. Keep your proof of purchase for warranty validation.

Support and Service

For technical assistance, service, or to order replacement parts, please contact Milwaukee Customer Service. Contact information can typically be found on the official Milwaukee website or in the documentation provided with your product.
Website: www.milwaukeetool.com

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