

## Kress KU270S

# Kress KU270S 20V Brushless Impact Wrench Instruction Manual

Model: KU270S | Brand: Kress

## 1. SAFETY INSTRUCTIONS

Always observe basic safety precautions when using this power tool to reduce the risk of fire, electric shock, and personal injury. Read all instructions before operating the tool.

### General Power Tool Safety

- **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:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection, hearing protection, and appropriate clothing. Use personal protective equipment such as a dust mask, non-skid safety shoes, hard hat, or hearing protection for appropriate conditions.
- **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 Safety

- Do not disassemble, open, or shred battery packs.
- Do not short-circuit a battery pack.
- Do not expose battery packs to heat or fire. Avoid storage in direct sunlight.
- Do not subject battery packs to mechanical shock.
- In case of battery leakage, avoid contact with the skin and eyes. If contact has occurred, wash the affected area with copious amounts of water and seek medical advice.

## 2. PRODUCT OVERVIEW

The Kress KU270S 20V Brushless Impact Wrench is designed for efficient fastening and loosening tasks, offering high torque and precision control.



**Figure 1:** Kress KU270S Impact Wrench with 4.0Ah battery, charger, M22 socket, cylindrical pin, belt, and steel cable baffle ring.

### Included Components

- Kress KU270S Impact Wrench
- 2x 4.0Ah Batteries
- 2A Charger
- M22 Socket
- Cylindrical Pin
- Belt
- Steel Cable Baffle Ring

### Key Features

- **Powerful Brushless Motor:** Delivers up to 300Nm max torque for fastening and 330Nm nut busting torque for loosening.
- **Precision Control:** Variable 3-mode gear control with 2-speed settings.
- **Auto-Stop Reverse:** Automatically halts reverse rotation to prevent nut loss and over-rotation.
- **Cordless Design:** Powered by 20V KrossPack batteries for portability.

### 3. SETUP

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#### Battery Installation and Charging

1. **Charging the Battery:** Connect the 2A charger to a power outlet. Insert the 4.0Ah battery into the charger. The indicator light on the charger will show the charging status. Ensure the battery is fully charged before first use.
2. **Installing the Battery:** Align the battery pack with the base of the impact wrench handle. Slide the battery into place until it clicks securely.
3. **Removing the Battery:** Press the battery release button (if present) and slide the battery pack out of the tool.

#### Socket Attachment

1. Ensure the tool is switched off and the battery is removed.
2. Align the M22 socket with the 1/2-inch square drive on the impact wrench.
3. Push the socket firmly onto the drive until it locks into place.
4. To remove, pull the socket off the drive while holding the tool securely.

### 4. OPERATING INSTRUCTIONS

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Familiarize yourself with the tool's controls before beginning any work.



Figure 2: The Kress KU270S Impact Wrench in use for automotive applications.

#### Powering On/Off

- To turn on the tool, press the trigger switch. The tool's speed is variable depending on how far the trigger is pressed.

- To turn off the tool, release the trigger switch.

## Speed Selection

The KU270S features a 2-speed mode selector. Use the speed selector switch (typically located near the top of the tool) to choose between low and high-speed settings. Lower speeds are suitable for delicate tasks or when starting, while higher speeds provide maximum torque for stubborn fasteners.

## Auto-Stop Reverse Function

This feature is designed to prevent nuts from falling off after being loosened. When operating in reverse mode, the tool will automatically stop rotation once the fastener is loose, allowing you to safely remove it by hand. To activate, select the reverse direction and engage the auto-stop mode (refer to specific tool markings if available).

## General Operation

1. Ensure the correct socket size is attached and securely fastened.
2. Select the desired speed and direction (forward for tightening, reverse for loosening).
3. Place the socket onto the fastener.
4. Press the trigger to begin operation. Apply steady pressure to the tool.
5. For tightening, ensure fasteners are tightened to the manufacturer's recommended torque specifications using a torque wrench if precision is required.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Kress Impact Wrench.

### Cleaning

- Keep the ventilation slots of the tool clean to prevent overheating.
- Use a soft, damp cloth to clean the tool's exterior. Do not use harsh chemicals or abrasive cleaners.
- Periodically clean the battery terminals with a clean cloth.

### Storage

- Store the tool and battery in a cool, dry place, away from direct sunlight and moisture.
- Ensure the battery is partially charged (around 50%) before long-term storage.
- Keep out of reach of children.

### Battery Care

- Do not store batteries in a discharged state.
- Avoid exposing batteries to extreme temperatures.
- If the battery is not used for extended periods, charge it every 3-6 months to maintain its health.

## 6. TROUBLESHOOTING

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If you encounter issues with your Kress KU270S Impact Wrench, refer to the following common solutions:

- **Tool not starting:**

- Check if the battery is fully charged and properly inserted.
- Ensure the trigger switch is fully depressed.

- **Reduced power or torque:**

- The battery may be low; recharge it.
- The socket may be worn or incorrect for the fastener.
- The tool may be operating in a lower speed setting; adjust as needed.

- **Tool overheating:**

- Ensure ventilation slots are clear of debris.
- Allow the tool to cool down before continued use. Avoid prolonged heavy-duty operation without breaks.

- **Socket not attaching securely:**

- Check for debris in the square drive.
- Ensure the socket is compatible with a 1/2-inch drive.

If problems persist, contact customer support.

## 7. SPECIFICATIONS

Technical data for the Kress KU270S 20V Brushless Impact Wrench:

Specification	Value
Brand	Kress
Model Number	KU270S
Power Source	Battery Powered
Voltage	20 Volts
Max Torque (Fastening)	300 Nm
Nut Busting Torque	330 Nm
Chuck Size	1/2 inch
Speed Modes	2-Speed + Auto-Stop Reverse
Battery Capacity	4.0 Ah
Material	Plastic
Item Weight	1100 Grams (1.1 kg)
Product Dimensions	15L x 6W x 19H Centimeters

## 8. WARRANTY AND SUPPORT

### Warranty Information

- **Machine Warranty:** 1 Year from the date of purchase.
- **Battery Warranty:** 6 Months from the date of purchase.




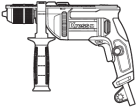





Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage due to misuse, abuse, alteration, or normal wear and tear.

Customer Support

For technical assistance, service, or warranty claims, please refer to the contact information provided with your purchase documentation or visit the official Kress website.

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Owner's Manual



Kress

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Comprehensive owner's manual for the Kress KR133E and KR136E robotic lawnmowers, covering safety, operation, maintenance, and technical specifications.