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› M7 NC-3210 3/8" Drive Mini Impact Wrench Instruction Manual

M7 NC-3210

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IMPORTANT SAFETY INFORMATION

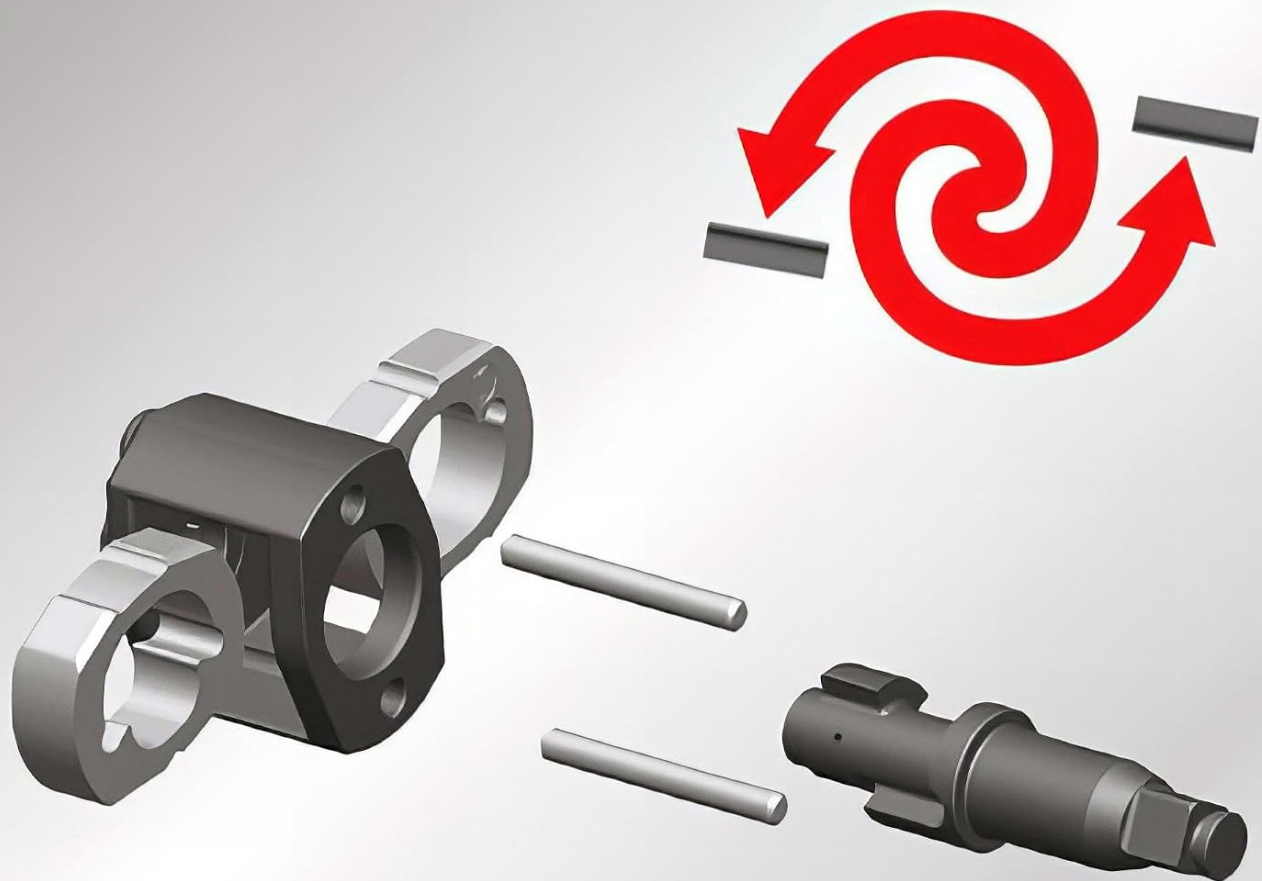
Read and understand all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in serious injury. Save all warnings and instructions for future reference.

- Always wear appropriate personal protective equipment, including eye protection, hearing protection, and gloves.
- Ensure the air supply is disconnected before changing accessories, making adjustments, or performing maintenance.
- Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.
- Use only clean, dry, regulated compressed air at the recommended pressure.
- Never point the tool at yourself or others.

SETUP AND INSTALLATION

Proper setup ensures safe and efficient operation of your M7 NC-3210 impact wrench.

1. **Unpacking:** Carefully remove the impact wrench from its packaging. Inspect for any damage that may have occurred during shipping. Report any damage to your supplier immediately.
2. **Air Supply Connection:**
 - Ensure your air compressor is capable of providing the required air pressure and volume (refer to specifications).
 - Connect an air hose (minimum 3/8" I.D.) to the air inlet of the impact wrench. Use thread sealant tape on the air inlet threads for a leak-free connection.
 - Install an in-line air filter/lubricator as close to the tool as possible. This will filter moisture and debris from the air supply and provide lubrication to the tool.
 - Set the air pressure regulator on your compressor to the recommended operating pressure (typically 90 PSI / 6.2 bar).
3. **Attaching Sockets:** Select the correct impact-grade socket for your application. Push the socket firmly onto the 3/8" drive anvil until it locks securely. Always use impact-grade sockets; standard chrome sockets can shatter.



TWIN HAMMER

Image: The M7 NC-3210 impact wrench being used to tighten a fastener. Ensure proper grip and socket attachment before operation.

OPERATING INSTRUCTIONS

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

1. **Direction Control:** Locate the forward/reverse selector switch, typically near the trigger. Move the switch to the desired direction (clockwise for tightening, counter-clockwise for loosening).
2. **Power Adjustment:** Some models feature a power regulator. Adjust this to the appropriate setting for the task. Start with a lower setting and increase if more torque is needed.
3. **Applying the Tool:** Place the socket firmly onto the fastener. Hold the tool securely with both hands if possible, or with a firm grip.
4. **Activating the Tool:** Depress the trigger to start the impact action. Apply steady, firm pressure to the tool. Avoid excessive force or leaning into the tool, as this can cause damage or injury.
5. **Tightening Fasteners:** For critical applications, always use a torque wrench to achieve the final specified torque after using the impact wrench for initial tightening. Impact wrenches are designed for speed, not precise torque.

6. **Loosening Fasteners:** The impact wrench is highly effective for breaking loose stubborn or rusted fasteners.



Image: Illustration of the Twin Hammer mechanism. This design provides balanced power and smooth impact for efficient operation.

The M7 NC-3210 features a **Twin Hammer** mechanism. This design utilizes two hammers striking simultaneously on both sides of the anvil, providing balanced and powerful impacts. This results in higher torque output, faster rundown, and increased durability compared to single hammer designs.

MAINTENANCE

Regular maintenance extends the life of your M7 impact wrench and ensures optimal performance.

- **Lubrication:** If an in-line lubricator is not used, add 5-10 drops of air tool oil into the air inlet before and after each use, or every few hours of continuous operation. Run the tool for a few seconds to distribute the oil.
- **Air Filter:** Regularly check and clean or replace the air filter in your air supply system to prevent contaminants from entering the tool.
- **Cleaning:** Keep the tool clean and free of debris. Wipe down the exterior with a clean cloth. Do not use harsh solvents that

could damage plastic components.

- **Storage:** When not in use, store the impact wrench in a clean, dry environment. Disconnect it from the air supply.
- **Inspection:** Periodically inspect the tool for worn or damaged parts. Replace any damaged components immediately with genuine M7 replacement parts.

TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Tool not operating or low power	Insufficient air pressure/volume Air leaks in hose or connections Clogged air filter Lack of lubrication Worn internal parts	Check compressor and regulator settings (ensure 90 PSI). Inspect all connections for leaks; tighten or replace seals. Clean or replace air filter. Add air tool oil to the inlet. Contact qualified service personnel.
Excessive air leakage	Loose fittings Damaged O-rings or seals	Tighten all air fittings. Inspect and replace damaged O-rings or seals.
Tool runs but does not impact	Internal mechanism jammed Worn hammer mechanism	Ensure proper lubrication. Contact qualified service personnel for inspection and repair.

SPECIFICATIONS

Key technical specifications for the M7 NC-3210 3/8" Drive Mini Impact Wrench.

- **Model:** NC-3210
- **Brand:** M7
- **Drive Size:** 3/8 inch
- **Maximum Torque:** 350 ft-lbs (475 Nm)
- **Power Source:** Compressed Air (Pneumatic)
- **Operating Air Pressure:** 90 PSI (6.2 bar) (Typical)
- **Item Weight:** 3.64 pounds (1.65 kg)
- **Product Dimensions:** 1 x 1 x 1 inches (2.54 x 2.54 x 2.54 cm) *(Note: These dimensions may represent packaging or a component, not the full tool.)*
- **Material:** Blend
- **Manufacturer:** King Tony
- **Included Components:** M7 3/8" DR MINI IMPACT WRENCH 350FT-LBS

WARRANTY INFORMATION

Specific warranty terms for the M7 NC-3210 impact wrench may vary by region and retailer. Please retain your proof of purchase. For detailed warranty information, refer to the documentation included with your purchase or contact your authorized M7 dealer or the retailer from whom you purchased the product.

CUSTOMER SUPPORT

If you encounter any issues or have questions regarding the M7 NC-3210 3/8" Drive Mini Impact Wrench that are not covered in this manual, please contact M7 customer support or your authorized M7 dealer. You can typically find contact information on the M7 official website or through your product retailer.

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