

Chicago Pneumatic CP9888

Chicago Pneumatic CP9888 Air Riveter Instruction Manual

Model: CP9888

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Chicago Pneumatic CP9888 Air Riveter. The CP9888 is designed for processing blind nut rivets from M3 to M12, ensuring strong and durable connections in various applications.

Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.



Figure 1: Chicago Pneumatic CP9888 Air Riveter.

SAFETY INFORMATION

Always observe general safety precautions when operating pneumatic tools. Failure to follow these instructions may result in serious injury.

- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Ensure the air supply is disconnected before performing any maintenance, changing accessories, or when the tool is not in use.
- Maintain a secure grip on the tool during operation.
- Keep hands and body parts clear of moving parts and the work area.
- Do not operate the tool if it is damaged or malfunctioning.
- Use only recommended accessories and consumables.
- Ensure the work area is well-lit and free from obstructions.
- Do not exceed the maximum operating air pressure specified for the tool.

PRODUCT FEATURES

The CP9888 Air Riveter incorporates several design elements for performance and user comfort:

- **Speed and Power:** Processes blind nut rivets from M3 to M12, providing strong and reliable connections.
- **Ergonomics:** Constructed with an industrial-grade aluminum alloy cylinder and a composite over-sleeve, making it lightweight (4.8 lb) and durable. Designed to minimize vibration and kickback for user comfort during

extended use.

- **Safety:** Low vibration and kickback enhance operational safety. A trigger-based starting system ensures precise control.
- **Versatile Applications:** Suitable for various industries including body shops, MRO (Maintenance, Repair, and Operations), special machinery, and light assembly markets.
- **Flexible Air Connection:** Features a 360° rotatable air connection for ease of use and maneuverability.
- **Included Accessories:** Comes with 7 mouthpieces to accommodate different rivet nut sizes.

SETUP

1. Air Supply Connection

1. Ensure the air compressor is off and the air line is depressurized.
2. Connect a standard air hose to the tool's NPT air inlet thread. The flexible air connection allows for 360° rotation for optimal positioning.
3. Turn on the air compressor and adjust the pressure to the recommended operating range (refer to Specifications section).

2. Selecting and Installing the Mandrel and Nosepiece

Select the appropriate mandrel and nosepiece combination for the specific blind nut rivet size (M3-M12) you intend to install. The tool comes with 7 mouthpieces to cover this range.

1. Unscrew the existing nosepiece and mandrel, if any.
2. Thread the correct mandrel into the tool until it is finger-tight.
3. Thread the corresponding nosepiece onto the tool, ensuring it is securely fastened.



Figure 2: Threading a blind nut rivet onto the tool's mandrel.

OPERATING INSTRUCTIONS

1. Loading the Rivet Nut

Thread the blind nut rivet onto the mandrel until it is fully seated against the nosepiece. Ensure the rivet nut is the correct size for the application.

2. Positioning and Setting the Rivet Nut

1. Insert the rivet nut into the pre-drilled hole in the workpiece.

2. Press the tool firmly against the workpiece.
3. Depress the trigger to activate the tool. The tool will pull the mandrel, deforming the rivet nut and securing it in place.

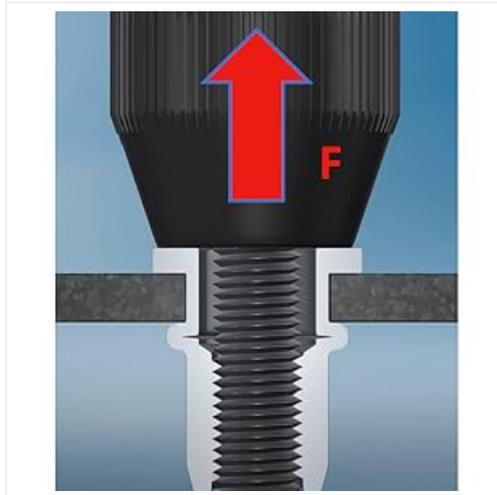


Figure 3: The tool pulling the rivet nut to create a secure fastening.

3. Releasing the Tool

1. Once the rivet nut is set, release the trigger. The tool will automatically unthread the mandrel from the set rivet nut.
2. Remove the tool from the workpiece.



Figure 4: Mandrel unthreading from the set rivet nut.



Figure 5: Example of a bolt secured into a properly set blind nut rivet.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your CP9888 Air Riveter.

- **Daily Lubrication:** Apply a few drops of pneumatic tool oil into the air inlet before each use. This lubricates internal components and prevents corrosion.
- **Cleaning:** Keep the tool clean and free from debris. Wipe down the exterior with a clean cloth. Periodically clean the nosepiece and mandrel area to prevent buildup.
- **Hydraulic Fluid Check:** Check the hydraulic fluid level periodically. If necessary, top off the hydraulic fluid according to manufacturer guidelines. (Note: Specific instructions for checking/topping off hydraulic fluid are not provided in the source data, refer to the full product manual for detailed steps).
- **Inspection:** Regularly inspect the tool for any signs of wear, damage, or loose fasteners. Replace worn or damaged parts immediately.
- **Air Filter/Regulator:** Ensure your air supply system includes a properly maintained air filter and regulator to provide clean, dry air at the correct pressure.

TROUBLESHOOTING

This section addresses common issues you might encounter with your air riveter.

Problem	Possible Cause	Solution
Tool does not operate or operates weakly.	Low air pressure; disconnected air hose; clogged air inlet; internal tool issue.	Check air compressor pressure and hose connections. Ensure air inlet is clear. If problem persists, contact support.
Rivet nut not setting properly.	Incorrect mandrel/nosepiece size; insufficient air pressure; worn mandrel/jaws; incorrect rivet nut.	Verify mandrel/nosepiece match rivet nut size. Increase air pressure within limits. Inspect and replace worn parts. Ensure correct rivet nut type.
Air leakage.	Loose fittings; damaged O-rings/seals.	Tighten all air fittings. Inspect and replace damaged O-rings or seals.
Mandrel does not retract.	Internal mechanism jam; low hydraulic fluid.	Disconnect air supply, inspect for obstructions. Check hydraulic fluid level. Contact support if unresolved.

SPECIFICATIONS

Attribute	Detail
Model Number	CP9888
Part Number	8941098880
Rivet Nut Capacity	M3 - M12
Pulling Force	5395 Lbf / 24000 N
Item Weight	4.8 pounds

Attribute	Detail
Product Dimensions	11 x 4.52 x 11 inches
Material	Aluminum, Composite over-sleeve
Power Source	Air Powered
Included Components	Blind nut riveter CP9888 (x1), Accessory kit (x1)
Sound Pressure Level	77.8 dB(A)
Air Inlet Thread Type	NPT

WARRANTY INFORMATION

The Chicago Pneumatic CP9888 Air Riveter comes with a **1-year warranty** covering material and workmanship defects from the date of purchase. Please retain your proof of purchase for warranty claims. This warranty does not cover damage resulting from misuse, abuse, normal wear and tear, or unauthorized repairs.

SUPPORT AND CONTACT

For technical assistance, spare parts, or warranty inquiries, please contact Chicago Pneumatic customer support. You can find more information and contact details by visiting the official Chicago Pneumatic store:

[Visit the Chicago Pneumatic Store on Amazon](#)

When contacting support, please have your product model number (CP9888) and serial number (if applicable) ready.