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› Astro Pneumatic Tool 4980 0.498" Shank Super Duty Air Hammer/Riveter User Manual

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INTRODUCTION

The Astro 4980 0.498" Shank Super Duty Air Hammer/Riveter is engineered for demanding heavy-duty applications across off-road, industrial, and automotive sectors. This robust tool is designed for efficient installation and removal of rivets in I-beam suspension systems, on-site equipment, and for heavy-duty servicing of truck bushings, springs, and king pins.

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Astro 4980 Air Hammer/Riveter. Please read it thoroughly before use.



Figure 1: Astro Pneumatic Tool 4980 Air Hammer/Riveter

SAFETY INFORMATION

Always observe basic safety precautions to reduce the risk of personal injury and damage to the tool. This tool is designed for professional use and requires proper handling.

- **Eye Protection:** Always wear ANSI-approved safety goggles or a face shield when operating this tool.
- **Hearing Protection:** Use ear protection to prevent hearing damage from prolonged exposure to noise.
- **Hand Protection:** Wear appropriate gloves to protect hands from vibration and potential pinch points.
- **Work Area:** Keep the work area clean, well-lit, and free of clutter. Ensure proper ventilation.
- **Air Supply:** Ensure the air supply is clean, dry, and regulated to the specified pressure. Disconnect air supply before changing accessories or performing maintenance.
- **Tool Condition:** Inspect the tool for damage or wear before each use. Do not operate a damaged tool.
- **Proper Use:** Use the tool only for its intended purpose. Do not modify the tool or use it with unapproved accessories.
- **Chemical Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Handle with care and ensure proper ventilation.

SETUP

1. **Unpacking:** Carefully remove the air hammer/riveter and included spring retainer from its packaging. Inspect for any shipping damage.
2. **Air Supply Connection:** Connect a 1/4" NPT air hose to the air inlet of the tool. Ensure the connection is secure and leak-free.
3. **Lubrication:** Before first use and daily thereafter, add a few drops of pneumatic tool oil into the air inlet. This lubricates internal components and extends tool life.
4. **Regulator Setting:** Set your air compressor regulator to the recommended operating pressure (typically 90 PSI for most air tools, refer to specifications for exact range).
5. **Accessory Installation:** Insert the desired 0.498" shank air hammer chisel or rivet set into the tool's chuck. Secure it with the included spring retainer.



Figure 2: Tool with Spring Retainer

OPERATING INSTRUCTIONS

The Astro 4980 is a powerful tool. Always maintain a firm grip and stable stance during operation.

1. **Prepare Workpiece:** Ensure the workpiece is securely clamped or supported to prevent movement.
2. **Position Tool:** Place the chisel or rivet set firmly against the target area.
3. **Activate Tool:** Depress the trigger to begin operation. The tool will deliver rapid impacts. Control the intensity by varying trigger pressure.
4. **Application Examples:**
 - **Rivet Installation/Removal:** Use appropriate rivet sets for installing or removing rivets in structural components.
 - **Bushing/King Pin Service:** Utilize chisels or punches to drive out stubborn bushings, springs, or king pins.
 - **General Chiseling:** For cutting, shaping, or breaking materials, use suitable chisel bits.

5. **Observe Progress:** Monitor the workpiece and tool performance. Adjust pressure or angle as needed.
6. **Release Trigger:** Release the trigger to stop the tool.

Your browser does not support the video tag.

Video: Astro Pneumatic Tool 4980 0.498" Shank Super Duty Air Hammer/Riveter in action. This video demonstrates the tool's power and effectiveness in a practical application, showcasing its ability to drive out components.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Astro 4980 Air Hammer/Riveter.

- **Daily Lubrication:** Add 5-10 drops of high-quality pneumatic tool oil into the air inlet before each use. If used continuously, lubricate every 1-2 hours.
- **Air Filter:** Ensure your air compressor has a functioning air filter/water trap to prevent moisture and debris from entering the tool.
- **Cleaning:** After each use, wipe down the tool with a clean cloth. Remove any debris from the chuck area.
- **Storage:** Store the tool in a clean, dry environment when not in use. Disconnect from air supply.
- **Inspection:** Periodically inspect the tool for worn or damaged parts, especially the spring retainer and chisel bits. Replace as necessary.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool not operating or low power	Insufficient air pressure Lack of lubrication Moisture in air line Worn internal parts	Check air compressor and regulator setting (ensure 90 PSI). Add pneumatic tool oil to air inlet. Drain air tank and air line. Use an air line filter/dryer. Contact qualified service personnel.
Excessive air leakage	Loose fittings Damaged O-rings or seals	Tighten all air connections. Replace worn or damaged seals.
Tool overheating	Lack of lubrication Continuous heavy use	Increase lubrication frequency. Allow tool to cool down periodically during extended use.

SPECIFICATIONS

Feature	Detail
Model Number	4980
Shank Size	0.498"
Air Inlet	1/4" NPT

Feature	Detail
Speed (Blows Per Minute)	1800 RPM (BPM)
Bore	3/4"
Stroke	2-11/16"
Weight	4.8 lbs
Product Dimensions	12"L x 4.25"W x 2.5"H
Material	Metal
Included Components	Air Hammer/Riveter, Spring Retainer
UPC	745227022472



Figure 3: Product Packaging with Specifications

WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase replacement parts, please visit the official Astro Pneumatic Tool website or contact their customer service department. Keep your purchase receipt as proof of purchase.

Manufacturer: Astro Pneumatic Tool Company

Website: www.astrotools.com (Example link, actual link may vary)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question