

## ATD 5851

# ATD Tools 5851 1/4" Hydraulic Air Rivet Gun Instruction Manual

## 1. INTRODUCTION

This manual provides essential instructions for the safe operation, setup, maintenance, and troubleshooting of your ATD Tools 5851 1/4" Hydraulic Air Rivet Gun. Please read this manual thoroughly before using the tool to ensure proper function and to prevent injury or damage.

The ATD Tools 5851 is a powerful and reliable pneumatic tool designed for high-speed production riveting. Its compact size and lightweight construction allow for use in confined spaces without causing user fatigue. It features a quick-release air valve for efficient cylinder return and convenient storage for nosepieces.

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions may result in serious personal injury, property damage, or death.

- Always wear appropriate personal protective equipment (PPE), including safety glasses with side shields, hearing protection, and gloves, when operating this tool.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Never point the tool at yourself or others.
- Disconnect the air supply before making adjustments, changing nosepieces, or performing maintenance.
- Do not exceed the maximum recommended air pressure for the tool. Refer to the Specifications section.
- Keep hands and body parts clear of the working end of the tool during operation.
- Use only rivets that are compatible with the tool's capacity and the installed nosepiece.
- Do not modify the tool or use it for purposes other than its intended use.
- Store the tool in a secure, dry place when not in use.

## 3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- ATD Tools 5851 1/4" Hydraulic Air Rivet Gun

- Nosepiece (1/8")
- Nosepiece (5/32")
- Nosepiece (3/16")
- Nosepiece (1/4")
- Funnel (for spent mandrels)
- Instruction Manual (this document)



*Image 1: The ATD Tools 5851 1/4" Hydraulic Air Rivet Gun. This image displays the red and black body of the rivet gun with its silver nosepiece and trigger mechanism.*

## 4. SETUP

1. **Air Supply Connection:** Connect the air rivet gun to a clean, dry, regulated air supply. Ensure the air hose has an inline oiler for proper lubrication of the tool's internal components. The recommended operating pressure is typically between 70-90 PSI (pounds per square inch), but always refer to the specifications for precise values.
2. **Nosepiece Installation:**
  - Disconnect the air supply before changing nosepieces.
  - Select the appropriate nosepiece for the rivet size you intend to use. The tool includes nosepieces for

1/8", 5/32", 3/16", and 1/4" rivets.

- Unscrew the current nosepiece (if any) from the tool's head.
- Screw the desired nosepiece firmly into place. Do not overtighten.
- The unused nosepieces can be conveniently stored underneath the rubber base of the tool.

3. **Test Operation:** Reconnect the air supply. Briefly press the trigger to ensure the tool cycles smoothly.

## 5. OPERATING INSTRUCTIONS

1. **Prepare the Workpiece:** Drill a hole of the correct diameter for your rivet in the materials to be joined. Ensure the hole is clean and free of burrs.
2. **Insert Rivet:** Insert the rivet mandrel into the selected nosepiece of the rivet gun.
3. **Position the Tool:** Place the rivet into the prepared hole in the workpiece. Ensure the rivet head is flush against the material.
4. **Actuate the Tool:** Firmly press the nosepiece against the workpiece and squeeze the trigger. The tool will pull the rivet mandrel, expanding the rivet and securing the materials. Continue holding the trigger until the mandrel snaps off.
5. **Mandrel Ejection:** The quick-release air valve facilitates fast cylinder return, and the spent mandrel will be ejected from the rear of the tool, often into the provided funnel.
6. **Repeat:** Release the trigger and repeat the process for additional rivets.

The tool is designed to perform well at various angles, allowing for flexibility in application.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ATD Tools 5851 rivet gun.

- **Lubrication:** Ensure an inline oiler is used with your air supply. If not, add a few drops of pneumatic tool oil into the air inlet before each use or after every hour of continuous operation.
- **Cleaning:** Keep the tool clean and free of debris. Wipe down the exterior with a clean cloth. Periodically inspect the nosepiece and jaws for wear or damage.
- **Air Filter:** Regularly check and clean or replace the air filter in your air compressor system to prevent contaminants from entering the tool.
- **Storage:** When not in use, disconnect the air supply and store the tool in a dry, protected environment.

## 7. TROUBLESHOOTING

| Problem                                   | Possible Cause  | Solution  |
|---|---|---|
| Tool does not pull rivet or pulls weakly. | Low air pressure; Worn jaws; Incorrect nosepiece; Air leak.                   | Check air supply and regulator setting; Inspect and replace jaws if worn; Ensure correct nosepiece for rivet size; Check air connections for leaks. |
| Mandrel does not eject.                   | Insufficient air pressure; Obstruction in mandrel collection area; Worn jaws. | Increase air pressure; Clear any obstructions; Inspect and replace jaws if worn.  |
| Air leaks from tool.                      | Loose fittings; Damaged O-rings or seals.                                     | Tighten all air fittings; Inspect and replace damaged O-rings or seals.   |

| Problem                             | Possible Cause   | Solution  |
|-------------------------------------|--|---|
| Tool operates slowly or sluggishly. | Lack of lubrication; Low air pressure; Contaminants in air supply. | Add pneumatic tool oil; Check air pressure; Ensure clean, dry air supply. |

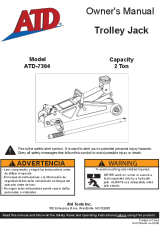

## 8. SPECIFICATIONS

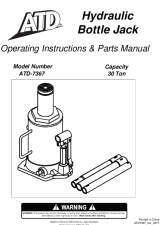



| Feature                  | Detail   |
|--------------------------|--|
| Brand                    | ATD  |
| Model                    | 5851   |
| Rivet Capacity           | 1/8", 5/32", 3/16", 1/4"   |
| Tool Type                | Hydraulic Air Rivet Gun  |
| Item Weight              | 4.44 pounds  |
| Product Dimensions       | 1 x 1 x 1 inches (Note: These dimensions seem generic, actual tool dimensions may vary slightly) |
| Manufacturer Part Number | 5851   |

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or to order replacement parts, please contact ATD Tools customer service directly. Refer to the product packaging or the official ATD Tools website for the most current contact details and warranty policy.

### Related Documents - 5851

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|--|---|
|  <p>Owner's Manual<br/>Trolley Jack</p> <p>Model<br/>ATD-7304</p> <p>Capacity<br/>2 Ton</p> | <p><a href="#">ATD ATD-7304 Trolley Jack Owner's Manual</a></p> <p>Comprehensive owner's manual for the ATD ATD-7304 Trolley Jack, covering safety precautions, operating instructions, maintenance procedures, troubleshooting common issues, replacement parts, and warranty information.</p> |
|  <p>ATD-7354<br/>50-Ton Air Axle Jack<br/>Owner's Manual</p>                                | <p><a href="#">ATD-7354 50-Ton Air Axle Jack - Owner's Manual</a></p> <p>Comprehensive owner's manual for the ATD-7354 50-Ton Air Axle Jack, covering features, specifications, safety guidelines, assembly, operation, maintenance, troubleshooting, and warranty information.</p>             |

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|  <p>ATD Hydraulic Bottle Jack<br/>Operating Instructions &amp; Parts Manual<br/>Model Number<br/>ATD-7367<br/>Capacity<br/>30 Ton</p>                   | <p><a href="#">ATD Hydraulic Bottle Jack Model ATD-7367 Operating Instructions and Parts Manual</a></p> <p>Operating instructions, parts list, specifications, maintenance, troubleshooting, and warranty information for the ATD Hydraulic Bottle Jack Model ATD-7367 with a 30-ton capacity.</p>                                       |
|  <p>ATD<br/>ATD-10556 &amp; ATD-10558<br/>Bench Grinder<br/>Owner's Manual</p>  | <p><a href="#">ATD Bench Grinder Owner's Manual: ATD-10556 &amp; ATD-10558</a></p> <p>Comprehensive owner's manual for ATD Bench Grinders, models ATD-10556 (6-inch) and ATD-10558 (8-inch). Covers safety, operation, maintenance, troubleshooting, and parts. Features detailed instructions for safe and effective use.</p>           |
|  <p>ATD<br/>ATD-5926<br/>RECHARGEABLE 12 VOLT 120 AMP/1000 COLD CRANK AMPS JUMP STARTER<br/>WITH BUILT IN 260 PSI AIR COMPRESSOR<br/>OWNER'S MANUAL</p> | <p><a href="#">ATD-5926 Rechargeable 12 Volt Jump Starter with Air Compressor - Owner's Manual</a></p> <p>This owner's manual provides instructions and safety information for the ATD-5926 Rechargeable 12 Volt Jump Starter with built-in 260 PSI Air Compressor. Learn about its features, operation, charging, and maintenance.</p>  |
|  <p>SABER<br/>ATD-80365<br/>2,000 Lumen Corded / Cordless LED Underhood Light<br/>with 25' Removable Cord and Human Body Sensor<br/>Owner's Manual</p> | <p><a href="#">ATD-80365 LED Underhood Light: Owner's Manual &amp; Warranty</a></p> <p>Owner's manual and warranty details for the ATD-80365 2,000 Lumen Corded/Cordless LED Underhood Light. Features include a human body sensor, 25' cord, and adjustable hooks. Covers operation, safety, replacement parts, and warranty terms.</p> |