

[Manuals.plus](#) /

› [AIRCAT](#) /

› AIRCAT 1125: 1/2" Composite Impact Wrench User Manual

AIRCAT ACA-1125

AIRCAT 1125: 1/2" Composite Impact Wrench User Manual

Model: ACA-1125

1. INTRODUCTION

Thank you for choosing the AIRCAT 1125 1/2" Composite Impact Wrench. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: The AIRCAT 1125 1/2" Composite Impact Wrench, a powerful and lightweight pneumatic tool designed for demanding applications.

2. SAFETY INFORMATION

Always observe general safety precautions when using power tools. Failure to do so may result in serious injury or property damage.

- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and gloves.
- Ensure the workpiece is securely fastened before operating the tool.
- Disconnect the air supply before changing accessories, performing maintenance, or when the tool is not in use.
- 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.
- Use only clean, dry, regulated compressed air at the recommended pressure.

- Inspect the tool for damage before each use. Do not use a damaged tool.

3. PRODUCT OVERVIEW

The AIRCAT 1125 is a high-performance 1/2" composite impact wrench designed for professional use. It features a durable, lightweight composite housing and a patented quiet tuned exhaust system.



Figure 2: Key features of the AIRCAT 1125, including the Hard Hitting Twin Hammer mechanism, Patented Easy Operation Flip Lever (Forward/Reverse Switch), Patented Ergonomically Designed Handle, Durable Low Weight Composite Housing, and Swivel Air Inlet.



Figure 3: The AIRCAT 1125 sets a new industry standard for size, weight, and power in the 1/2" Impact category. It features a Patented Quiet Tuned Exhaust (86 dBa), provides 1000 ft-lb maximum torque and 1,250 ft-lb of loosening torque, and has a patented easy operation flip lever for forward and reverse.

4. SETUP

1. **Air Supply Connection:** Connect the tool to a clean, dry, regulated air supply. The recommended air pressure is 90 PSI (6.2 Bar). Ensure the air hose has an inside diameter of at least 3/8 inch for optimal performance.
2. **Lubrication:** Before initial use, add a few drops of pneumatic tool oil into the air inlet. This lubricates the internal components and extends tool life.
3. **Socket Installation:** Attach the appropriate 1/2" drive impact socket to the square drive anvil. Ensure the socket is securely seated.

5. OPERATING INSTRUCTIONS

5.1. Direction and Power Adjustment

The AIRCAT 1125 features a patented easy operation flip lever for quick changes between forward and reverse, and for power adjustment.

- **Forward Operation:** Move the flip lever to the "F" position for tightening fasteners. The tool offers multiple power settings in forward, typically indicated by numbers (e.g., 1, 2, 3). Select the desired power level by rotating the lever.
- **Reverse Operation:** Move the flip lever to the "R" position for loosening fasteners. Full power is typically available in reverse.

5.2. General Operation

1. Select the correct size impact socket for the fastener.
2. Place the socket squarely onto the fastener.
3. Depress the trigger to operate the tool. Release the trigger to stop.
4. For tightening, always finish with a torque wrench to ensure proper torque specifications are met.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your AIRCAT 1125 impact wrench.

- **Daily Lubrication:** Add 5-10 drops of pneumatic tool oil into the air inlet before each use or every few hours of continuous operation.
- **Air Filter/Regulator:** Ensure your air supply system has a properly functioning air filter and regulator to prevent moisture and debris from entering the tool. Drain moisture from the air compressor tank daily.
- **Cleaning:** Keep the tool clean and free of debris. Wipe down the exterior with a clean cloth. Do not use harsh solvents.
- **Storage:** Store the tool in a dry, clean environment when not in use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool not operating or low power	Low air pressure; Insufficient air flow; Lack of lubrication; Worn internal parts	Check air compressor and regulator settings (90 PSI recommended); Use larger diameter air hose; Add pneumatic tool oil; Contact authorized service center
Excessive air leakage	Loose fittings; Damaged O-rings or seals	Tighten all air fittings; Replace damaged seals or O-rings; Contact authorized service center
Tool runs continuously when trigger is released	Stuck trigger valve	Add pneumatic tool oil; Tap tool lightly to free valve; Contact authorized service center

8. SPECIFICATIONS

Feature	Specification
Model Number	ACA-1125
Drive Size	1/2 inch
Maximum Torque	1000 ft-lbs
Loosening Torque	1250 ft-lbs

Feature	Specification
Material	Composite
Item Length	7.1 Inches
Item Weight	3.8 Pounds
Sound Level	87 dB (Patented Quiet Tuned Exhaust)
Operation Mode	Pneumatic
Power Source	Air Powered

9. WARRANTY

The AIRCAT 1125 Impact Wrench comes with a **2-year warranty** on material and workmanship with proof of purchase (POP). This warranty covers defects in materials and manufacturing under normal use. It does not cover damage resulting from misuse, abuse, alteration, or unauthorized repair. For warranty claims, please retain your proof of purchase and contact AIRCAT customer support.

10. SUPPORT

For technical assistance, parts, or warranty inquiries, please contact AIRCAT customer support. Visit the official AIRCAT website for the most up-to-date contact information and additional resources.

AIRCAT Official Website: www.aircat.com

Customer Service: Refer to the website for phone numbers and email contacts specific to your region.