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› ALL-TOP Air Compressor Kit Instruction Manual

ALL-TOP ATACR180L

ALL-TOP Air Compressor Kit Instruction Manual

Model: ATACR180L

1. INTRODUCTION

Thank you for choosing the ALL-TOP 12V Portable Air Compressor Kit. This heavy-duty, high-performance air compressor is designed for efficient tire inflation and various recreational equipment. With a maximum pressure of 150 PSI and an airflow of 7.06 CFM, it is suitable for off-road vehicles, trucks, SUVs, 4x4s, RVs, bicycles, and motorcycles. This manual provides essential information for safe and effective operation, maintenance, and troubleshooting.



Image: The ALL-TOP Air Compressor Kit, including the compressor unit, air hose, pressure gauge, nozzle adapters, and carrying bag.

2. SAFETY INFORMATION

- Always operate the compressor in a well-ventilated area.
- Ensure the vehicle engine is running when connecting the compressor to the battery to prevent draining the battery.
- Do not touch the compressor or air hose during or immediately after operation, as they can become extremely hot. Allow adequate cooling time before handling or storing.
- Wear appropriate eye protection when operating the compressor.
- Keep children and pets away from the operating area.
- Do not exceed the maximum recommended pressure for the item being inflated.
- Inspect the power cord and air hose for damage before each use. Do not use if damaged.
- The compressor is equipped with an auto-thermal cut-off switch and safety valve to protect the motor from damage. Do not bypass these safety features.

3. PACKAGE CONTENTS

Your ALL-TOP Air Compressor Kit includes the following items:

- Heavy Duty Air Compressor Unit
- Heavy Duty Nylon Tool Bag
- 6.5ft Heavy Power Cord with Alligator Clamps
- 26ft Rubber Air Hose with Integrated Pressure Gauge and Thumb Lock Adapter
- 3 Nozzle Adapters (for various inflatables)



Image: A visual representation of the air compressor unit, power cord, air hose with gauge, and various nozzle adapters.

4. SPECIFICATIONS

Feature	Specification
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Feature	Specification
Brand	ALL-TOP
Model Name	ATACR180L
Voltage	12 Volts
Maximum Pressure	150 PSI
Air Flow Capacity	7.06 CFM (200 L/Min)
Item Weight	16 Pounds
Product Dimensions	13"L x 6"W x 9"H
Material	Aluminum, Metal
Noise Level	78 dB
Power Source	Battery Powered
Hose Length	26 ft (7.92 Meters)
Power Cord Length	6.5 ft

PRODUCT DIMENSION



 **19 LBS**

Image: Diagram showing the dimensions of the air compressor unit (13 inches L x 6 inches W x 9 inches H) and its weight (16 lbs).



Image: Illustrates the 200 L/Min (7.06 CFM) max air flow, capable of inflating a 35-inch off-road tire in less than 4 minutes, and highlights the safety valve for over-pressure protection.

5. SETUP

1. **Connect Air Hose:** Correctly connect the air hose to the air compressor unit. Ensure a secure connection to prevent air leaks.
2. **Connect Power:** Connect the alligator clamps of the 6.5ft heavy power cord to your vehicle's battery terminals. Ensure the engine is running to provide sufficient power and prevent battery drain. Connect the red clamp to the positive (+) terminal and the black clamp to the negative (-) terminal.
3. **Attach Nozzle:** Select the appropriate nozzle adapter for the item you wish to inflate and attach it to the thumb lock adapter on the air hose.



Image: A visual guide showing the steps: 1. Connecting the air hose and thumb lock adaptor. 2. Connecting clamps to the battery with the engine on. 3. Turning on the air compressor switch. 4. Reading the pressure gauge and switching off the compressor.

Video: An official ALL-TOP video demonstrating the setup and operation of the air compressor, including connecting the power and air hose.

6. OPERATING INSTRUCTIONS

1. **Prepare for Inflation:** Ensure the air compressor is placed on a stable, flat surface. Connect the air hose to the tire valve or inflatable item.
2. **Turn On:** Locate the power switch on the compressor unit and turn it to the 'ON' position. The compressor will begin to operate.
3. **Monitor Pressure:** Continuously monitor the pressure gauge on the air hose. Inflate the item to its recommended PSI.
4. **Turn Off:** Once the desired pressure is reached, immediately turn the power switch to the 'OFF' position.
5. **Disconnect:** Disconnect the air hose from the tire valve or inflatable item. Then, disconnect the power clamps from the vehicle battery.



Image: The ALL-TOP air compressor actively inflating a tire on an off-road vehicle, demonstrating its intended use in challenging environments.



Image: A close-up view of the integrated 150 PSI pressure gauge on the air hose, showing how to read the current pressure during inflation.

7. MAINTENANCE

- **Cleaning:** Wipe down the compressor unit with a damp cloth after each use. Do not use harsh chemicals or abrasive cleaners.
- **Cooling:** The compressor's hollow metal shell and aluminum cylinder are designed for better heat dissipation. However, the unit will get hot during prolonged use. Always allow the compressor to cool down completely before storing it in the nylon tool bag.
- **Storage:** Store the compressor and its accessories in the provided heavy-duty nylon tool bag in a cool, dry place, away from direct sunlight and moisture.
- **Air Filter:** Periodically check the air filter for dust and debris. Clean or replace as necessary to maintain optimal performance.



Image: The ALL-TOP air compressor neatly packed inside its heavy-duty nylon tool bag, ready for storage or transport.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Compressor does not turn on.	No power connection, loose battery clamps, blown fuse, thermal cut-off activated.	Ensure secure connection to battery with engine running. Check inline fuse. Allow unit to cool if it was recently used.
Slow inflation or low airflow.	Air leak in hose/connections, clogged air filter, low vehicle battery voltage.	Check all connections for tightness. Clean or replace air filter. Ensure vehicle engine is running and battery is charged.
Unit gets very hot during use.	Normal operation, prolonged use, high ambient temperature.	This is normal. Allow the unit to cool down between uses. Do not touch hot parts. The auto-thermal cut-off will activate if it overheats.
Pressure gauge is inaccurate.	Inherent variance in analog gauges, reading while compressor is running.	Always turn off the compressor before taking a pressure reading for accuracy. Consider using a separate, calibrated tire pressure gauge for critical applications.

9. WARRANTY AND SUPPORT

ALL-TOP Air Compressors are provided with a **2-Year / 24-Month Hassle-Free Warranty** from the date of purchase. We also offer **Lifetime Customer Support** to ensure your 100% satisfaction and experience.

For warranty claims, technical assistance, or any product-related inquiries, please contact ALL-TOP customer service through the retailer's platform or visit the official ALL-TOP website for contact information.

We are committed to continuously improving our Overland Products & After-Sale Services.

ASK A QUESTION ABOUT THIS MANUAL

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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