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LDGSUPH 1399-1

LDGSUPH Carsun 150PSI Portable Air Compressor Model 1399-1 User Manual

Your guide to safe and efficient tire inflation.

Introduction

This manual provides essential instructions for the safe and effective operation, maintenance, and troubleshooting of your LDGSUPH Carsun 150PSI Portable Air Compressor, Model 1399-1. Please read this manual thoroughly before using the product and retain it for future reference.
The LDGSUPH Carsun 150PSI Portable Air Compressor is designed for inflating tires on cars, motorcycles, bicycles, and various sports equipment. It features a digital display for accurate pressure readings, an integrated LED light for visibility, and smart pressure monitoring to prevent over-inflation.

Safety Information

WARNING: Failure to follow these safety instructions may result in electric shock, fire, and/or serious injury.

- Always operate the air compressor in a well-ventilated area.
- Do not leave the compressor unattended while in operation.
- Keep out of reach of children.
- Ensure the power cord is not damaged before use. Do not use if the cord is frayed or broken.
- Do not expose the compressor to rain or wet conditions.
- Avoid over-inflating tires. Always refer to the vehicle or item manufacturer's recommended pressure.
- Allow the compressor to cool down after prolonged use to prevent overheating.
- This product is designed for 12V DC power sources only (e.g., car cigarette lighter socket).

Product Overview

Familiarize yourself with the components of your portable air compressor.



Image: Front view of the LDGSUPH Carsun 150PSI Portable Air Compressor, showing the digital display, control buttons, power switch, and air hose connection.

- **Digital Display:** Shows current and preset tire pressure.
- **Control Buttons:** Used to set desired pressure and change units.
- **Power Switch:** Turns the compressor ON/OFF.
- **Air Hose:** Connects to the tire valve.
- **12V DC Power Cord:** Connects to your vehicle's cigarette lighter socket.
- **LED Light:** Provides illumination during nighttime use.

Setup

Follow these steps to prepare your air compressor for use:

1. **Start Vehicle Engine:** For optimal performance and to prevent draining your vehicle's battery, it is recommended to start your car's engine before connecting the air compressor.
2. **Connect Power:** Insert the 12V DC power cord plug into your vehicle's cigarette lighter socket. Ensure a secure connection.

3. **Prepare Tire Valve:** Remove the valve cap from the tire you wish to inflate.



Image: Visual guide showing the steps to start the car, connect the power cord to the cigarette lighter, and remove the tire valve cap.

Operating Instructions

Inflating a tire or other item:

1. **Attach Air Hose:** Screw the air hose nozzle onto the tire valve stem until it is finger-tight. The digital display will show the current tire pressure.
2. **Select Pressure Unit:** Press the "R" button to cycle through available pressure units (PSI, BAR, KPA, KG/CM²). Choose the unit recommended by your vehicle manufacturer.
3. **Set Desired Pressure:** Use the "+" and "-" buttons to adjust the target pressure. The display will flash while setting and then show the current pressure once set.
4. **Start Inflation:** Flip the power switch to the "ON" position to begin inflation. The compressor will automatically stop once the preset pressure is reached.

5. **Monitor Progress:** The digital display will show the pressure increasing during inflation.
6. **Disconnect:** Once inflation is complete and the compressor has stopped, turn off the power switch and carefully unscrew the air hose from the tire valve. Replace the valve cap.



Image: The digital display showing current pressure and options for selecting different pressure units (PSI, BAR, KPA, KG/CM²).



Image: Illustration of the compressor's fast inflation capability and automatic shut-off function when the target pressure is reached.

Using the LED Light

The built-in LED light can be activated independently by pressing the dedicated light button (if available, otherwise it might be integrated with the power switch or automatic). This is useful for nighttime operations or in low-light conditions.

Maintenance

- **Cleaning:** Wipe the compressor exterior with a damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the device is unplugged before cleaning.
- **Storage:** Store the air compressor in a dry, cool place, away from direct sunlight and extreme temperatures. Ensure the power cord and air hose are neatly coiled to prevent damage.
- **Inspection:** Periodically check the power cord and air hose for any signs of wear, cuts, or damage. If damage is found, discontinue use and contact customer support.

Troubleshooting

Problem	Possible Cause	Solution
Compressor does not turn on.	No power from vehicle socket; loose connection; vehicle engine not running.	Ensure vehicle engine is running. Check cigarette lighter socket for power (e.g., by plugging in another device). Ensure power cord is securely plugged in. Check vehicle's fuse for the cigarette lighter socket.
Compressor runs but does not inflate.	Air hose not securely attached to tire valve; air leak in hose or connection.	Ensure the air hose nozzle is tightly screwed onto the tire valve. Check for any visible damage or leaks in the air hose.
Compressor stops before reaching preset pressure.	Overheating protection activated; internal fault.	Turn off the compressor and allow it to cool down for at least 15-20 minutes. If the problem persists after cooling, contact customer support.
Inaccurate pressure reading.	Loose connection; sensor issue.	Ensure the air hose is securely attached. Compare reading with a known accurate tire gauge. If consistently inaccurate, contact customer support.

Specifications

Feature	Detail
Model	1399-1
Brand	LDGSUPH (Carsun)
Max Pressure	150 PSI
Power Input	12V DC
Power Cord Length	3 meters
Display Type	Digital
Special Features	LED Light, Smart Tire Pressure Monitoring, Auto Shut-off
Item Weight	Approximately 500 g
Country of Origin	China

Important Tire Pressure Information

Maintaining correct tire pressure is crucial for vehicle safety, fuel efficiency, and tire longevity. Both under-inflation and over-inflation can lead to serious issues.



Image: Visual representation of the risks associated with excessive tire pressure (burst tire), excessive low tire pressure (wheel wear, traffic accidents), and unstable tire pressure (loss of control).

- **Excessive Tire Pressure:** Can lead to a harsh ride, reduced tire contact with the road, and increased risk of tire burst.
- **Excessive Low Tire Pressure:** Causes increased rolling resistance, poor fuel economy, uneven tire wear, and potential for tire overheating and failure.
- Always check your vehicle's owner's manual or the sticker on the driver's side door jamb for the recommended tire pressure.

Customer Support

If you have any questions, require assistance, or encounter issues not covered in this manual, please contact our customer support team. For support, please refer to the contact information provided with your purchase or visit the official LDGSUPH website.

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