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› VIAIR 85P Portable Air Compressor User Manual

VIAIR 85P

VIAIR 85P Portable Air Compressor User Manual

Model: 85P | Brand: VIAIR

PRODUCT OVERVIEW

The VIAIR 85P is a compact, heavy-duty 12V portable air compressor designed for inflating car, truck, and SUV tires, as well as other inflatables. It features a gearless direct-drive motor, permanently lubricated bearings, and an oil-free design for reliable performance. This unit is equipped with a built-in pressure gauge, an LED work light, and comes with a convenient carrying case.



Figure 1: VIAIR 85P Portable Air Compressor with hose and power plug.

Key Features:

- **Portable Design:** Compact and lightweight, ideal for on-the-go use.
- **Built-in Pressure Gauge:** For accurate pressure monitoring during inflation.
- **LED Work Light:** Provides illumination for nighttime use or low-light conditions.
- **Accessory Power Plug:** Connects to any 12V cigarette lighter outlet.
- **Twist-on Tire Chuck:** Ensures a secure connection to valve stems.
- **Versatile Inflation Tips:** Includes tips for inflating sports balls and other inflatables.
- **Fast Inflation:** Capable of filling a 225/60/18 tire from 30 to 40 PSI in approximately 1.08 minutes.

SETUP

Before operating your VIAIR 85P portable air compressor, ensure you are in a well-ventilated area and your vehicle's engine is running to provide adequate power and prevent battery drain.

1. **Unpack the Compressor:** Remove the compressor and all accessories from the carrying case.
2. **Position the Compressor:** Place the compressor on a stable, flat surface near the tire you intend to inflate.
3. **Connect to Power:** Insert the 12V accessory power plug into your vehicle's cigarette lighter outlet. Ensure the connection is secure.



Figure 2: Inserting the 12V power plug into the vehicle's auxiliary outlet.

4. **Start Vehicle Engine:** Start your vehicle's engine. This is crucial to ensure the compressor receives sufficient power and to prevent draining your vehicle's battery.

OPERATING INSTRUCTIONS

Follow these steps to inflate your tires or other items using the VIAIR 85P compressor:

1. **Remove Valve Stem Cap:** Unscrew the cap from the tire's valve stem.
2. **Attach Air Hose:** Securely attach the twist-on air chuck of the compressor's hose to the tire's valve stem. Twist clockwise until it is firmly seated and no air is escaping.

4 Easy Steps To Inflate Your Tires



1 Plug into Cigarette Lighter

from your vehicle's interior.



2 Start Engine

Start the engine of the vehicle.



3 Connect Air Hose

Connect the air hose to the vehicle tire.



4 Monitor Pressure

Turn the unit on & monitor pressure on gauge.

Figure 3: Visual guide for connecting the air hose and monitoring pressure.

3. **Turn On Compressor:** Locate the ON/OFF switch on the compressor and switch it to the 'ON' position. The compressor will begin to inflate.

Best-In-Class Features

⬇️ **60 PSI**

Duty Cycle: 20 min
@ 30 PSI

🔌 **10 Ft**

Power Cord

🌀 **3 Ft**

Air Hose

Heavy
Duty
**Gearless
Motor**

LED Light



Built-In
**Pressure
Gauge**

Figure 4: Close-up of the built-in pressure gauge and LED work light.

4. **Monitor Pressure:** Continuously monitor the built-in pressure gauge. Inflate the tire to the recommended PSI (Pounds per Square Inch) as specified by your vehicle manufacturer (usually found on a sticker inside the driver's side door jamb or in your vehicle's owner's manual).
5. **Turn Off Compressor:** Once the desired pressure is reached, immediately switch the compressor to the 'OFF' position.
6. **Disconnect Air Hose:** Carefully unscrew the air chuck from the valve stem. A small amount of air may escape, which is normal.
7. **Replace Valve Stem Cap:** Screw the valve stem cap back onto the tire valve.

Using Inflation Tips:

The VIAIR 85P comes with a 3-piece inflation tips kit for various applications. These tips are typically stored on the compressor itself.



Figure 5: The VIAIR 85P showing the storage for inflation tips.

To use, simply attach the appropriate tip to the twist-on chuck before connecting to the item you wish to inflate (e.g., sports balls, inflatable toys).

Official Instructional Video:

Your browser does not support the video tag.

Video 1: Official instructional video for the VIAIR 85P, demonstrating setup and operation.

MAINTENANCE

The VIAIR 85P portable air compressor is designed for low maintenance. It features permanently lubricated bearings and an oil-free design, eliminating the need for regular lubrication.

- **Cleaning:** Keep the compressor clean and free of dirt and debris. Wipe down the exterior with a damp cloth as needed.
- **Storage:** After each use, allow the compressor to cool down. Store it in its deluxe carrying case in a dry, cool place, away from direct sunlight and extreme temperatures.
- **Hose Care:** Ensure the air hose is not kinked or damaged during storage. Uncoil the air hose completely when in use for optimal performance.

TROUBLESHOOTING

If you encounter issues with your VIAIR 85P, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
Compressor does not turn on.	Power plug not fully inserted.	Ensure power plug is securely seated.
	Vehicle engine not running.	Start vehicle engine before operating.
	Vehicle's cigarette lighter fuse blown.	Check and replace vehicle's fuse if necessary (consult vehicle manual).
	Compressor's internal fuse blown.	Contact VIAIR support for internal fuse issues.
Slow inflation or low pressure.	Air chuck not securely attached.	Re-attach air chuck firmly to valve stem.
	Air hose kinked or obstructed.	Ensure air hose is uncoiled and clear.
	Compressor overheating (duty cycle exceeded).	Allow compressor to cool down for 20-30 minutes before resuming use.
Inaccurate pressure gauge reading.	Gauge malfunction.	Verify pressure with a separate, known accurate tire gauge. If consistently inaccurate, contact support.

SPECIFICATIONS

Feature	Detail
Brand	VIAIR
Model Name	85P
Voltage	12 Volts (DC)
Maximum Operating Pressure	60 PSI
Duty Cycle	20 minutes @ 30 PSI

Feature	Detail
Air Flow Capacity	1.26 CFM (Cubic Feet Per Minute)
Maximum Power	180 Watts
AC Adapter Current	15 Amps
Noise Level	76 dB
Hose Length	3 Feet
Power Cord Length	13 Feet
Item Weight	4.3 Pounds
Product Dimensions (L x W x H)	9.1" x 3.1" x 5.6"
Material	Brass (chuck)
Recommended Uses	Tire Inflation

WARRANTY AND SUPPORT

Warranty Information:

The VIAIR 85P Portable Air Compressor comes with a **One-Year Manufacturer Defect Warranty** against defects in workmanship. Please retain your proof of purchase for warranty claims.

Customer Support:

For technical assistance, troubleshooting, or warranty inquiries, please contact VIAIR Corporation directly. You can find their contact information on their official website or through the retailer where you purchased the product.

Additional resources, including a downloadable user manual (PDF), may be available on the VIAIR website: [Download User Manual \(PDF\)](#)

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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.

Name

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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