GELUOXI CKMTA12

GELUOXI CKMTA12 High Output Twin Air Compressor User Manual

Model: CKMTA12

1. Introduction

This manual provides essential instructions for the safe and efficient operation, installation, and maintenance of your GELUOXI CKMTA12 High Output Twin Air Compressor. Please read this manual thoroughly before using the product and retain it for future reference.

The GELUOXI CKMTA12 is a 12V twin air compressor designed for various applications requiring high air output, such as operating air tools, inflating tires, and other pneumatic tasks in demanding environments.

2. Safety Information

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

- Always wear appropriate eye protection when operating the compressor.
- Ensure the compressor is installed in a well-ventilated area to prevent overheating.
- Do not exceed the maximum operating pressure of**100 PSI**. Over-pressurization can cause damage to the compressor or connected equipment, and may lead to injury.
- Disconnect power before performing any maintenance or installation procedures.
- Keep children and unauthorized persons away from the operating compressor.
- This compressor is designed for 12V DC power sources only. Do not connect to other voltage sources.
- Avoid direct contact with hot surfaces during or immediately after operation.
- Ensure all electrical connections are secure and properly insulated to prevent short circuits.

3. Package Contents

Verify that all items listed below are present in your package:

- 1x GELUOXI CKMTA12 Twin Air Compressor
- 1x Full Wiring Harness with Relay and Fuse Holder

- 1x Multi-position Mounting Bracket
- 1x Pressure Switch
- Assorted Fasteners and Hardware (bolts, washers, nuts, electrical connectors)

4. Product Overview

The GELUOXI CKMTA12 is a robust 12V twin air compressor engineered for high performance and durability. Its compact design allows for versatile installation in various vehicles.



Figure 4.1: GELUOXI CKMTA12 Twin Air Compressor with included wiring harness and mounting hardware.



Figure 4.2: Side view of the CKMTA12 compressor, highlighting the twin motor design and integrated wiring connections.

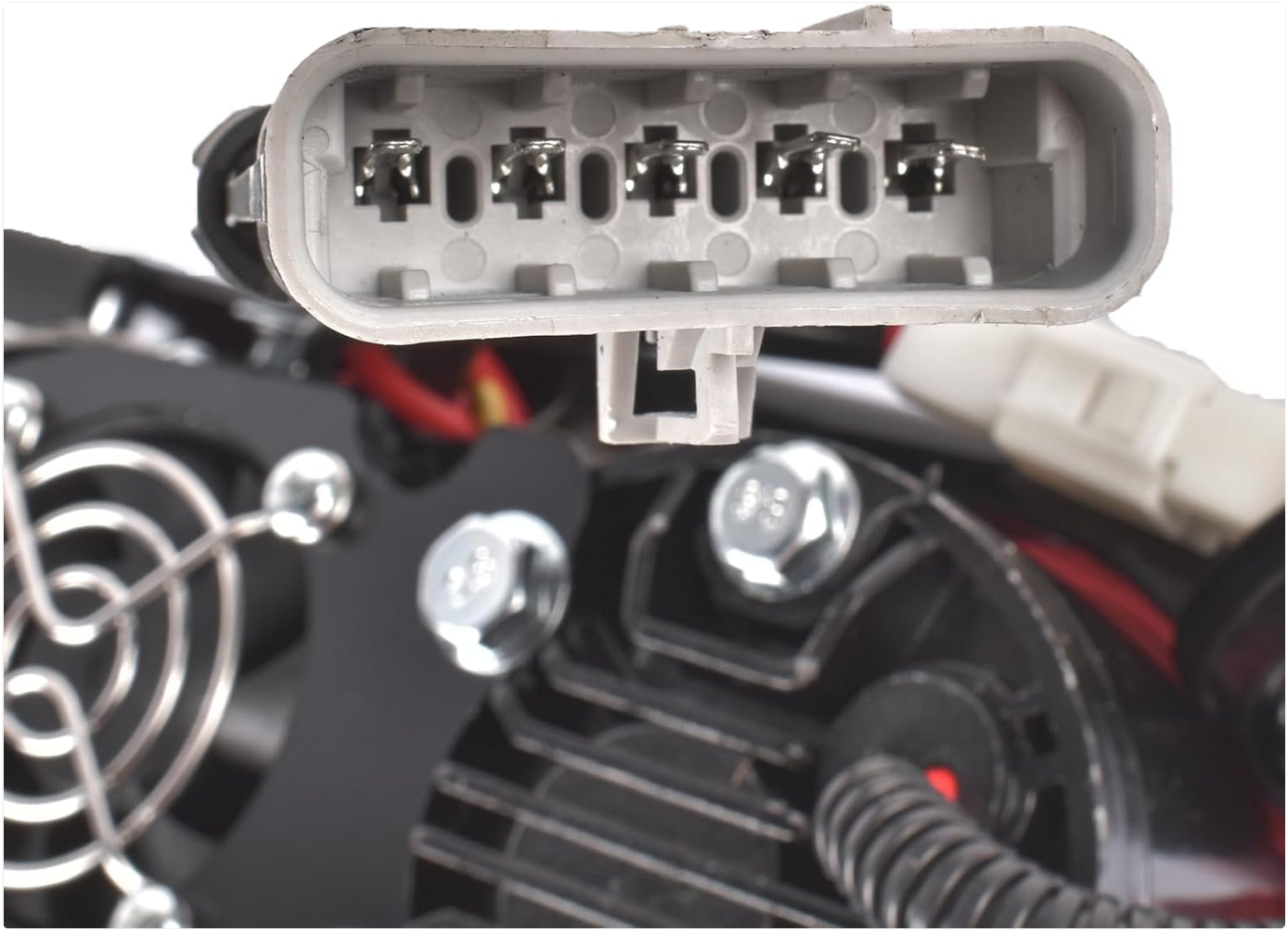


Figure 4.3: Detailed view of the multi-pin electrical connector, ensuring secure power and control connections.



Figure 4.4: Close-up of the inline fuse holder, an essential safety component within the wiring harness.

5. Specifications

Refer to the table below for detailed technical specifications of the CKMTA12 Twin Air Compressor:

Feature	Specification
Model	CKMTA12
Voltage	12 Volts DC

Feature	Specification
Maximum Power	0.13 Horsepower
Maximum Pressure	100 PSI
Construction	High-strength metal tank, reinforced internal components
Motor Type	Water-sealed, 100% ball bearings, linear brush preload system
Item Weight	21 pounds
Package Dimensions	13 x 11 x 11 inches
Color	Red
Recommended Uses	Drilling, Air Brushing, Spraying, Nailing, Tire Inflation



Figure 5.1: Visual summary of key specifications for the CKMTA12 Air Compressor.



Figure 5.2: Recommended applications for the High Output Twin Air Compressor.

6. Setup and Installation

The CKMTA12 compressor is designed for vehicle installation. Proper installation is crucial for performance and safety. If you are unsure about any steps, consult a qualified professional.

6.1 Mounting Location

- Choose a secure, dry, and well-ventilated location in your vehicle, away from excessive heat or moisture.
- Ensure the mounting surface is strong enough to support the compressor's weight (21 lbs) and vibrations during operation.
- Consider accessibility for future maintenance and air line connections.
- Utilize the provided multi-position mounting bracket to secure the compressor firmly.

6.2 Electrical Connections

The compressor requires a 12V DC power source. The included wiring harness simplifies the electrical setup.

1. **Disconnect the vehicle's battery** before making any electrical connections.
2. Connect the positive (+) lead of the wiring harness to a fused 12V power source capable of handling the compressor's current draw. The harness includes an inline fuse holder for protection.
3. Connect the negative (-) lead of the wiring harness to a suitable vehicle ground point.
4. Connect the wiring harness to the compressor's electrical port. Ensure the connection is secure and weatherproof.
5. Install the pressure switch according to your system's requirements. This switch typically controls the compressor's on/off cycle based on desired air pressure.
6. Once all connections are made, reconnect the vehicle's battery.

CAUTION: Improper electrical connections can lead to fire or damage to the vehicle's electrical system. If you are not experienced with automotive electrical work, seek professional assistance.

7. Operating Instructions

Follow these steps for safe and effective operation of your CKMTA12 compressor:

1. **Pre-Operation Check:** Before each use, inspect the compressor and all connections for any signs of damage, loose fittings, or wear. Ensure the air filter is clean.
2. **Connect Air Line:** Attach your air hose or tool to the compressor's air outlet. Ensure a secure connection to prevent air leaks.
3. **Power On:** Activate the compressor using its power switch or the integrated pressure switch, if installed. The compressor will begin to build pressure.
4. **Monitor Pressure:** Continuously monitor the air pressure using a reliable gauge.**Do not allow the pressure to exceed 100 PSI.**
5. **Operation:** Use the compressed air as needed for your application (e.g., inflating tires, operating air tools).
6. **Power Off:** Once the task is complete, turn off the compressor. Disconnect the air hose and tools.
7. **Cool Down:** Allow the compressor to cool down before storing.

IMPORTANT: Avoid continuous operation for extended periods without allowing the compressor to cool, as this can lead to overheating and damage.

8. Maintenance

Regular maintenance ensures the longevity and optimal performance of your CKMTA12 compressor.

- **Cleanliness:** Keep the compressor clean and free from dust, dirt, and debris. Wipe down the exterior with a damp

cloth.

- **Air Filter:** Periodically inspect and clean or replace the air filter to ensure proper airflow and prevent contaminants from entering the compressor.
- **Connections:** Regularly check all electrical and air line connections for tightness and signs of wear or corrosion. Tighten any loose connections.
- **Storage:** When not in use, store the compressor in a dry, clean environment, protected from extreme temperatures.

9. Troubleshooting

This section addresses common issues you might encounter with your CKMTA12 compressor.

Problem	Possible Cause	Solution
Compressor does not turn on.	No power, blown fuse, loose electrical connection, faulty switch.	Check power source. Inspect and replace fuse if blown. Verify all electrical connections are secure. Test the power switch.
Compressor runs but no air output or low pressure.	Air leak in connections, clogged air filter, internal compressor issue.	Check all air line connections for leaks. Clean or replace air filter. If problem persists, contact support.
Compressor overheats.	Insufficient ventilation, prolonged continuous operation.	Ensure adequate airflow around the compressor. Allow the compressor to cool down between uses. Reduce duty cycle.
Unusual noise during operation.	Loose mounting, internal component wear.	Check mounting bolts and tighten if necessary. If noise persists, discontinue use and contact support.

10. Warranty and Support

10.1 Product Warranty

The GELUOXI CKMTA12 High Output Twin Air Compressor comes with a**2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, modification, unauthorized repair, or failure to follow instructions in this manual.

10.2 Customer Support

For technical assistance, warranty claims, or questions regarding your GELUOXI CKMTA12 compressor, please refer to your purchase documentation for seller contact information or visit the official GELUOXI website. When contacting support, please have your product model (CKMTA12) and purchase date available.

Ask a question about this manual

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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Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

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