

Coleman-Mach 48204-666



Coleman-Mach 48204-666 MACH 15 RV Air Conditioner User Manual

Signature Series MACH 15 Medium-Profile Air Conditioner - 15,000 BTU

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your Coleman-Mach 48204-666 MACH 15 RV Air Conditioner. Please read this manual thoroughly before attempting any installation or operation to ensure proper use and to prevent potential hazards.

The Coleman-Mach MACH 15 is designed to provide powerful cooling for recreational vehicles, featuring a 15,000 BTU/h capacity and a medium-profile design. Its robust construction ensures reliable performance in various conditions.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of fire, electric shock, or injury to persons.

- **Electrical Safety:** Ensure the RV's electrical system is properly grounded and capable of handling the unit's power requirements. Disconnect all power before performing any service or maintenance.
- **Professional Installation:** Installation should be performed by a qualified service technician to ensure proper function and safety. Improper installation can lead to electrical hazards or unit malfunction.
- **Ventilation:** Do not block air intake or exhaust vents on the unit. Proper airflow is crucial for efficient operation and to prevent overheating.
- **Refrigerant:** This unit contains refrigerant. Servicing involving the refrigerant system should only be performed by certified personnel.
- **Weight:** The unit is heavy. Use appropriate lifting techniques and equipment during installation to prevent injury.

3. PRODUCT OVERVIEW

The Coleman-Mach 48204-666 MACH 15 is a high-performance RV air conditioner designed for optimal cooling. Key features include:

- Highest available cooling output for RV applications.

- 15,000 BTU/h cooling capacity.
- Medium-profile design for reduced height.
- Durable textured white shroud.



Figure 3.1: Front view of the Coleman-Mach MACH 15 RV Air Conditioner. This image shows the overall medium-profile design and the textured white shroud.



Figure 3.2: Side view of the Coleman-Mach MACH 15 RV Air Conditioner. This image highlights the side grilles for air intake and exhaust.

4. SETUP AND INSTALLATION

Installation of the Coleman-Mach 48204-666 MACH 15 RV Air Conditioner requires specialized tools and knowledge. It is strongly recommended that installation be performed by a certified RV technician.

4.1 Pre-Installation Checks

- Verify the RV roof opening dimensions are compatible with the unit.
- Confirm the RV's electrical system can support the 15,000 BTU unit (typically 120V AC, 60Hz, dedicated circuit).
- Inspect the unit for any shipping damage before installation.

4.2 General Installation Steps (Summary)

1. Prepare the roof opening, ensuring it is clean and free of debris.
2. Carefully lift the outdoor unit onto the RV roof and position it over the opening. Due to the unit's weight (approximately 89.8 pounds), multiple individuals or lifting equipment are required.
3. Install the ceiling assembly (air distribution box) from inside the RV, securing it to the outdoor unit according to manufacturer instructions.
4. Connect the electrical wiring, ensuring all connections are secure and comply with local electrical codes.
5. Test the unit for proper operation and check for any air leaks around the seal.

Refer to the detailed installation guide provided with the physical product for complete step-by-step instructions and diagrams.

5. OPERATING INSTRUCTIONS

The Coleman-Mach MACH 15 RV Air Conditioner is typically controlled via an indoor thermostat or control panel (sold separately or integrated into your RV system). Familiarize yourself with your specific control interface.

5.1 Basic Operation

- **Power On/Off:** Use the main power switch on your thermostat or control panel to turn the unit on or off.
- **Mode Selection:** Select the desired operating mode (e.g., Cool, Fan Only, Heat - if applicable with a heat strip accessory).
- **Temperature Setting:** Adjust the thermostat to your desired temperature. The unit will cycle on and off to maintain this setting.
- **Fan Speed:** Choose between high, medium, low, or automatic fan speeds. Auto mode adjusts fan speed based on temperature difference.

5.2 Optimizing Performance

- Keep windows and doors closed when the AC is running to maximize cooling efficiency.
- Ensure air filters are clean to maintain optimal airflow and cooling capacity.
- In extremely hot conditions, pre-cooling your RV before peak temperatures can improve comfort.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your air conditioner. Always disconnect power to the unit before performing any maintenance.

6.1 Air Filter Cleaning

- Locate the air filter(s) in the indoor ceiling assembly.
- Remove the filter(s) and clean them with mild soap and water.
- Allow filters to dry completely before reinstalling.
- Clean filters monthly or more frequently depending on usage and environmental conditions.

6.2 Exterior Unit Inspection

- Periodically inspect the outdoor unit for debris (leaves, dirt, etc.) that may obstruct airflow.
- Gently clean the condenser coils with a soft brush or vacuum if they appear dirty. Avoid bending the fins.
- Check the shroud for any cracks or damage.
- Ensure the mounting bolts are secure.

6.3 Condensate Drain

Ensure the condensate drain is clear and free of obstructions to prevent water accumulation and leaks.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on.	No power, tripped breaker, faulty thermostat.	Check RV's main power supply and circuit breakers. Ensure thermostat is set correctly.
Insufficient cooling.	Dirty air filter, blocked condenser coils, low refrigerant, incorrect thermostat setting.	Clean air filter. Inspect and clean outdoor coils. Verify thermostat setting. If refrigerant is suspected, contact a qualified technician.
Water leaking from indoor unit.	Blocked condensate drain, improper installation seal.	Clear condensate drain. Inspect roof seal for proper installation.
Unusual noise during operation.	Loose components, debris in fan, motor issue.	Inspect for loose parts or debris. If noise persists, contact a service technician.

For issues not listed or if solutions do not resolve the problem, contact a qualified service technician.

8. SPECIFICATIONS

Feature	Detail
Model Number	48204-666
Brand	Coleman-Mach
Cooling Capacity	15,000 BTU/h
Voltage	2.3E+2 Volts (AC)
Capacity	1.25 Tons
Item Weight	89.8 pounds
Package Dimensions	41 x 28.4 x 16.25 inches
Refrigerant	R 410A
Filter Type	Pre-Filter
Power Source	Corded Electric
Color	White

9. WARRANTY AND SUPPORT

For specific warranty details, please refer to the warranty card included with your product or visit the official Coleman-Mach website. Keep your proof of purchase for warranty claims.

For technical assistance, replacement parts, or service inquiries, please contact Coleman-Mach customer support through their official channels.

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

Anonymous

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