

## Coleman 9530A751

# Coleman 9530A751 Control Box Instruction Manual

Model: 9530A751 | Brand: Coleman



## 1. PRODUCT OVERVIEW

The Coleman 9530A751 Control Box is an essential component for managing the climate control system in your RV. This unit is designed to provide heat-ready control for Coleman Mach HP2 Heat Pumps and Mach 8 Air Conditioners, ensuring optimal comfort in various conditions.

### Key Features:

- Compatibility with Coleman Mach HP2 Heat Pump/Mach 8 Air Conditioner.
- Heat Ready Control functionality.
- Durable construction for long-lasting performance.

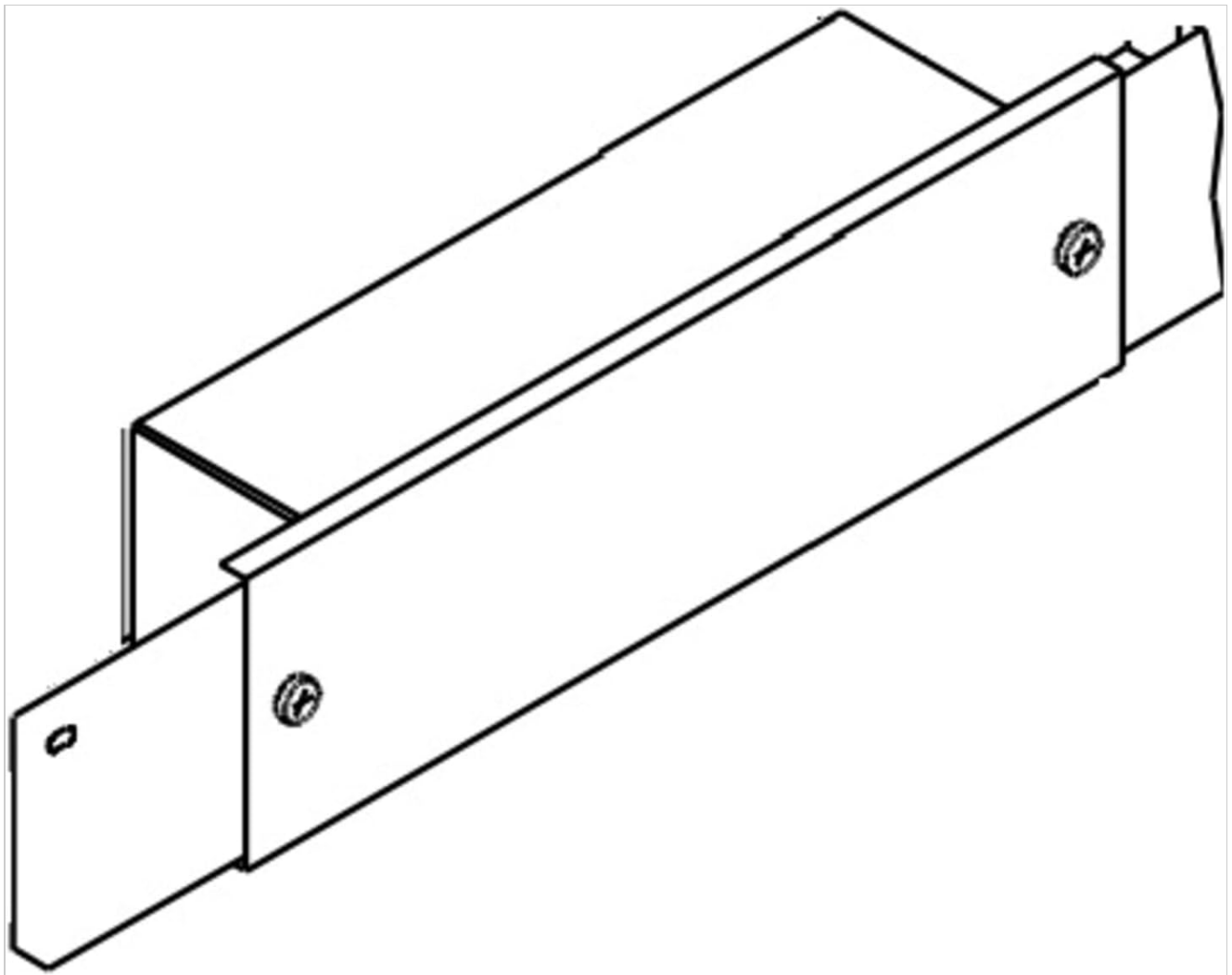


Figure 1: The Coleman 9530A751 Control Box, a rectangular metal box with wiring connections and a circuit diagram label.

## 2. SETUP AND INSTALLATION

Installation of the Coleman 9530A751 Control Box is estimated to take approximately 1 hour. It is crucial to disconnect all power to the unit before beginning any installation or maintenance procedures.

### 2.1. Compatibility

This control box is compatible with Coleman Mach HP2 Heat Pumps and Mach 8 Air Conditioners. Ensure your existing system matches these specifications for proper operation.

### 2.2. Installation Steps

1. **Safety First:** Disconnect all power to the RV's climate control system at the circuit breaker.
2. **Access Existing Control Box:** Carefully remove the cover of the existing control box.
3. **Disconnect Wiring:** Document the existing wiring connections (take photos if necessary) before carefully disconnecting all wires from the old control box.
4. **Remove Old Unit:** Unfasten and remove the old control box from its mounting location.
5. **Mount New Unit:** Secure the Coleman 9530A751 Control Box in the same position as the old unit, ensuring it is firmly attached.
6. **Connect Wiring:** Refer to the wiring diagram located on the control box (and any documentation from your specific RV model) to correctly connect all wires to the new control box. Pay close attention to the terminal labels (W, GL, GH, Y, B-, FREEZE).
7. **Install Remote Freeze Sensor:** Connect the remote freeze sensor if applicable, as indicated on the wiring

diagram.

8. **Secure Cover:** Once all connections are verified, replace the control box cover and secure it with screws.
9. **Restore Power:** Restore power to the RV's climate control system at the circuit breaker.
10. **Test System:** Test the air conditioner and heat pump functions to ensure proper operation.

### 2.3. Installation Visual Aid

The following video demonstrates the disassembly and assembly process for a similar control box (Model 9330C755), which can serve as a general guide for installation procedures.

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*Video 1: Disassembly and assembly of a Coleman 9330C755 control box, showing components and wiring connections.*

Another video provides a product overview and highlights key features of a similar control box (Model 9330C755).

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*Video 2: Product overview of a Coleman 9330C755 control box, detailing its features and components.*

## 3. OPERATING INSTRUCTIONS

Once installed, the control box works in conjunction with your RV's thermostat to manage the air conditioning and heating functions. The control box processes signals from the thermostat to activate the compressor, fan, and heat relay as needed.

- **Cooling Operation:** Set your RV's thermostat to the desired cooling temperature. The control box will engage the compressor and fan to achieve and maintain this temperature.
- **Heating Operation:** If your system includes a heat pump or electric heating strips (sold separately), set the thermostat to the desired heating temperature. The control box will activate the heat relay to provide warmth.
- **Fan Speed:** Adjust the fan speed settings on your thermostat (High/Low) to control airflow.

The control box is designed for seamless integration, allowing your existing RV thermostat to manage all climate control functions effectively.

## 4. MAINTENANCE

Regular maintenance helps ensure the longevity and efficient operation of your Coleman 9530A751 Control Box.

- **Periodic Inspection:** Annually inspect the control box and its wiring for any signs of wear, corrosion, or loose connections. Ensure all screws are tight.
- **Cleanliness:** Keep the area around the control box clean and free from dust and debris to prevent overheating and ensure proper airflow.
- **Professional Check:** Consider having a qualified RV technician inspect your climate control system, including the control box, during routine RV maintenance.

**Caution:** Always disconnect power before performing any inspection or maintenance on the control box.

## 5. TROUBLESHOOTING

If you experience issues with your climate control system, refer to the following troubleshooting tips:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
System not turning on	No power, loose wiring, faulty thermostat.	Check RV's circuit breaker. Verify all wiring connections are secure. Test thermostat functionality.
Fan runs but no cooling/heating	Compressor/heat relay issue, low refrigerant (cooling), faulty heat strip (heating).	Ensure thermostat is set correctly. Inspect wiring to compressor/heat relay. Consult a technician for refrigerant levels or heat strip issues.
System runs continuously	Faulty thermostat, control box issue, remote freeze sensor malfunction.	Check thermostat settings. Inspect remote freeze sensor connection. If issues persist, professional diagnosis may be required.

If troubleshooting steps do not resolve the issue, it is recommended to contact a certified RV technician for further assistance.

## 6. SPECIFICATIONS

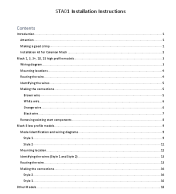
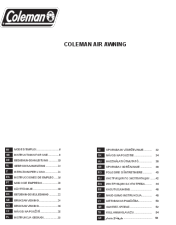



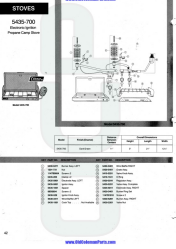
- **Model:** 9530A751
- **Brand:** Coleman
- **Compatibility:** Coleman Mach HP2 Heat Pump / Mach 8 Air Conditioner
- **Dimensions (Product):** 14.12"D x 3.12"W x 2.12"H
- **Item Weight:** 3 pounds
- **Power Source:** Corded Electric
- **Refrigerant:** R-410A (for compatible AC units)
- **Special Features:** Heat Pump Compatibility, Remote Controlled
- **Estimated Install Time:** 1 hour

## 7. WARRANTY AND SUPPORT

The Coleman 9530A751 Control Box comes with a **Limited 2-year warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or replacement parts, please refer to the contact information provided with your original product packaging or visit the official Coleman website.



	<p><a href="#">STA01 Installation Instructions for Coleman Air Conditioners</a></p> <p>A comprehensive guide detailing the installation of the STA01 soft starter for various Coleman air conditioner models, including Mach 1, Mach 3, Mach 8, and Polar Cub series. This manual provides essential safety information, installation kits, detailed wiring diagrams, step-by-step connection instructions for different models, and a troubleshooting section (QA).</p>
	<p><a href="#">Auvent Gonflable Coleman Air : Manuel d'Utilisation et Guide d'Installation</a></p> <p>Instructions détaillées pour l'installation, l'utilisation et l'entretien de votre auvent gonflable Coleman Air. Inclut des avertissements de sécurité et des conseils de réparation.</p>
	<p><a href="#">Coleman AP Series Single Piece PSC Air Handler Technical Guide</a></p> <p>Technical specifications, features, dimensions, electrical data, and application details for the Coleman AP Series single-piece PSC air handlers designed for split-system cooling and heat pumps.</p>
	<p><a href="#">Coleman 360 Light &amp; Sound Lantern: FCC &amp; IC Compliance Information</a></p> <p>Detailed FCC and Industry Canada (IC) compliance statements, RF exposure warnings, and operational guidelines for the Coleman 360 Light &amp; Sound Lantern (Model 2000033083R).</p>
	<p><a href="#">Coleman Even Heat™ 3-Burner Barbecue Assembly Manual</a></p> <p>Assembly manual for the Coleman Even Heat™ 3-burner barbecue, covering propane and natural gas models 85-3026-0 and 85-3027-8. Includes parts lists, hardware details, and step-by-step assembly instructions.</p>
	<p><a href="#">Coleman Propane Camp Stove Model 5435-700 Parts and Diagram</a></p> <p>Detailed parts list and diagram for the Coleman Propane Camp Stove, Model 5435-700. Includes specifications and part numbers for easy identification and replacement.</p>