

Goodman HKSC15XB

Goodman 15 Kw Electric Strip Heat Kit with Circuit Breaker HKSC15XB User Manual

Model: HKSC15XB



Official Goodman Product

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Goodman 15 Kw Electric Strip Heat Kit, Model HKSC15XB. Please read this manual thoroughly before attempting any installation or operation. Retain this manual for future reference.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock and Fire. Installation and servicing must be performed by a qualified installer or service agency.

- Always disconnect power to the air handler unit before installing or servicing the heat kit.
- Ensure all wiring connections comply with local and national electrical codes.
- This unit operates on a single-phase 240V electrical supply. Verify compatibility with your existing system.
- The heat kit includes a built-in circuit breaker for protection. Do not bypass or modify this safety device.
- Do not operate the unit if any components are damaged.

3. PRODUCT OVERVIEW

The Goodman HKSC15XB is a 15 Kw electric strip heat kit designed to provide supplemental heating for compatible Goodman AMST series air handlers. It is ideal for use with heat pumps or AC-only systems where occasional heating is

required. The kit features a durable metal body with alloy steel heating elements and an integrated circuit breaker for enhanced safety.

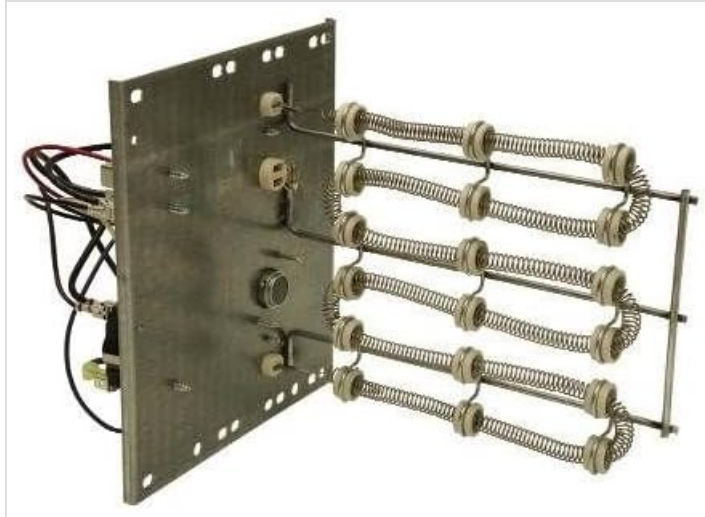


Image 1: Goodman 15 Kw Electric Strip Heat Kit (Model HKSC15XB). This image displays the complete electric strip heat kit, showing the metal mounting plate, electrical connections, and the multiple coiled heating elements.

3.1. Components Included

- Heating element assembly
- Integrated Circuit breaker

4. SETUP AND INSTALLATION

This heat kit is designed for easy installation into compatible Goodman AMST series air handlers. Ensure your air handler's model number ends in "BA" for compatibility with this HKSC15XB kit. If your AMST model number ends in "AA", a different heat kit (HKSC15XB) is required.

4.1. Pre-Installation Checks

1. Verify the air handler is powered off at the main electrical panel.
2. Confirm the air handler model number is compatible with the HKSC15XB.
3. Inspect the heat kit for any shipping damage. Do not install if damaged.

4.2. Installation Steps

1. Access the designated compartment within your Goodman AMST air handler for the electric heat kit. Refer to your air handler's manual for specific access instructions.
2. Carefully insert the HKSC15XB heat kit into the compartment, ensuring it seats correctly and aligns with mounting points.
3. Secure the heat kit using the provided fasteners or existing mounting hardware as per the air handler's instructions.
4. Connect the electrical wiring from the heat kit to the air handler's terminal block. Follow the wiring diagram provided with your air handler and the heat kit for correct connections. Ensure all connections are tight and secure.
5. Close and secure the air handler access panel.
6. Restore power to the air handler at the main electrical panel.

5. OPERATING INSTRUCTIONS

The Goodman HKSC15XB electric strip heat kit operates in conjunction with your air handler and thermostat. It is designed to provide heat when the thermostat calls for auxiliary or emergency heat.

1. Set your thermostat to the desired heating mode (e.g., "Heat" or "Emergency Heat").
2. Adjust the temperature setting on your thermostat to a level higher than the current room temperature to initiate a call for heat.
3. The air handler's fan will activate, and the electric heating elements in the HKSC15XB kit will energize, producing warm air.
4. The integrated circuit breaker will trip if an overcurrent condition occurs, protecting the unit. If this happens, consult the troubleshooting section.

6. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your electric strip heat kit. Always disconnect power before performing any maintenance.

- **Annual Inspection:** Have a qualified HVAC technician inspect the heating elements and electrical connections annually.
- **Cleaning:** Ensure the area around the heating elements is free from dust, debris, and obstructions. A build-up of dust can reduce efficiency and pose a fire hazard.
- **Wiring Check:** Periodically check for any loose or corroded wiring connections.
- **Air Filter:** Ensure the air filter in your air handler is clean and replaced regularly as per your air handler's manual. A dirty filter can restrict airflow and cause the heating elements to overheat.



Image 2: Representation of heating elements. This image illustrates the glowing heating elements, emphasizing the heat generation process and the importance of clear airflow for safe operation.

7. TROUBLESHOOTING

If you encounter issues with your Goodman HKSC15XB heat kit, refer to the following common problems and solutions. For complex issues, contact a qualified HVAC technician.

Problem	Possible Cause	Solution
No heat output	No power to the unit	Check circuit breaker at main panel and on the heat kit. Ensure thermostat is calling for heat.
Circuit breaker trips repeatedly	Overcurrent, short circuit, or faulty element	Disconnect power and inspect wiring for shorts. Check heating elements for damage. Contact a qualified technician.

Problem	Possible Cause	Solution
Weak airflow	Dirty air filter in air handler	Replace or clean the air filter in your air handler.
Unusual noises	Loose components or fan issue	Disconnect power and inspect for loose parts. If noise persists, contact a technician.

8. SPECIFICATIONS

Feature	Detail
Brand	Goodman
Model Number	HKSC15XB
Heating Capacity	15 Kilowatts (Kw)
Voltage	240V, Single Phase
Included Components	Heating element, Circuit breaker
Material	Metal (Body), Alloy Steel (Heating Element)
UPC	646341703165

9. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your original Goodman air handler or contact Goodman customer support directly. Goodman products are designed for reliability, and support is available for technical assistance or service inquiries.

Goodman Customer Support: Please visit the official Goodman website or contact your authorized Goodman dealer for support.

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