

Master-Bilt 19-14783-UR

Master-Bilt 19-14783-UR Sollatek Temperature Control Module Instruction Manual

Genuine OEM Replacement Part

1. PRODUCT OVERVIEW

The Master-Bilt 19-14783-UR is a genuine Original Equipment Manufacturer (OEM) Sollatek Temperature Control Module designed for use in Master-Bilt refrigeration systems. This component is crucial for accurately monitoring and regulating the internal temperature of your freezer or refrigerator, ensuring optimal performance and food preservation.

Using genuine OEM parts like the 19-14783-UR ensures:

- **Guaranteed Compatibility:** OEM parts are engineered to fit and function precisely like the original components, ensuring a perfect match and seamless integration.
- **Higher Quality and Reliability:** Manufactured to the same rigorous quality standards as the original equipment, reducing the risk of premature failure and ensuring long-term operation.
- **Safety Assurance:** Genuine parts provide peace of mind that your equipment remains safe to operate, adhering to all design and safety specifications.
- **Warranty Maintenance:** Using genuine OEM parts helps maintain your equipment's warranty, protecting your investment.

2. PACKAGE CONTENTS

- One (1) Master-Bilt 19-14783-UR Sollatek Temperature Control Module

3. SAFETY INFORMATION

WARNING: Electrical shock hazard. Always disconnect power to the refrigeration unit before attempting any installation, maintenance, or repair procedures. Failure to do so can result in serious injury or death.

- Installation of this component should only be performed by a qualified and certified refrigeration technician.
- Ensure all local and national electrical codes are followed during installation.
- Do not operate the refrigeration unit with damaged wiring or components.

- Keep hands and tools clear of moving parts and electrical connections.

4. SETUP AND INSTALLATION

This section provides general guidance for the replacement of the temperature control module. Due to the complexity of refrigeration systems and electrical components, **professional installation by a certified technician is strongly recommended.**

1. **Disconnect Power:** Locate the main power supply to the refrigeration unit and disconnect it completely. Verify power is off using a voltage tester.
2. **Access Control Module:** Carefully open the access panel to the existing temperature control module. Note the location and routing of all wires. It is advisable to take photographs before disconnecting any wires.
3. **Disconnect Old Module:** Label all wires before disconnecting them from the old module. Carefully remove the old 19-14783-UR module from its mounting.
4. **Install New Module:** Mount the new Master-Bilt 19-14783-UR module in the same location. Connect the labeled wires to the corresponding terminals on the new module. Ensure all connections are secure and correct. Refer to the wiring diagram specific to your refrigeration unit model if available.
5. **Secure Wiring:** Ensure all wiring is properly routed and secured, preventing contact with moving parts or sharp edges.
6. **Close Access Panel:** Securely close the access panel.
7. **Restore Power:** Reconnect the main power supply to the refrigeration unit.
8. **Test Operation:** Monitor the unit's operation to ensure the new temperature control module is functioning correctly and maintaining the desired temperature.



Figure 1: Front view of the Master-Bilt 19-14783-UR module with attached wiring and sensor probe.

5. OPERATING INSTRUCTIONS

The Master-Bilt 19-14783-UR Sollatek Temperature Control Module operates automatically to maintain the set temperature within your refrigeration unit. Once installed and powered, it continuously monitors the internal temperature and activates or deactivates the cooling system as needed.



Figure 2: Side view of the control module showing the temperature adjustment dial (1-9 and OFF) and terminal connections.

Temperature Adjustment

If your specific refrigeration unit model utilizes an external adjustment dial connected to this module, you can typically adjust the desired temperature setting. The dial, as shown in Figure 2, often features numerical settings (e.g., 1-9) and an "OFF" position. Higher numbers generally correspond to colder temperatures. Consult your refrigeration unit's primary user manual for specific temperature ranges and recommended settings.

- **Setting the Temperature:** Rotate the dial to the desired numerical setting.
- **Turning Off:** Rotate the dial to the "OFF" position to disable temperature control.

Allow sufficient time for the refrigeration unit to reach the new temperature setting after adjustment.

6. MAINTENANCE

The Master-Bilt 19-14783-UR temperature control module is designed for reliable, long-term operation with minimal maintenance. However, periodic checks can help ensure its continued performance.

- **Visual Inspection:** Periodically inspect the module and its wiring for any signs of damage, corrosion, or loose connections. Ensure the sensor probe is clean and properly positioned.
- **Cleaning:** If necessary, gently clean the exterior of the module with a dry, soft cloth. Do not use liquid cleaners or solvents, as these can damage the electronic components.
- **Professional Check:** It is recommended to have a qualified refrigeration technician perform routine maintenance checks on your entire refrigeration system, including the control module, at least once a year.

7. TROUBLESHOOTING

If your refrigeration unit is not maintaining the correct temperature or exhibiting unusual behavior after the installation of the 19-14783-UR module, consider the following:

- **No Power:** Ensure the refrigeration unit is receiving power and that the circuit breaker has not tripped.
- **Incorrect Wiring:** Double-check all electrical connections to the module against the unit's wiring diagram. Loose or incorrect wiring is a common cause of malfunction.
- **Sensor Issues:** Verify that the temperature sensor probe is correctly installed and not damaged. A faulty sensor can lead to inaccurate temperature readings and control.
- **Temperature Setting:** Confirm that the temperature adjustment dial (if present) is set to the desired temperature and not in the "OFF" position.
- **Other System Components:** The issue might not be with the control module itself but with other components of the refrigeration system (e.g., compressor, fan motor, refrigerant levels).

Recommendation: For complex issues or if basic troubleshooting does not resolve the problem, contact a qualified refrigeration technician for diagnosis and repair. Attempting advanced repairs without proper training and tools can be dangerous and may void warranties.



Figure 3: Top view of the control module, showing various terminal connections labeled Aux1, Aux2, Comp, Live In, Neutral, and the adjustment dial.

8. SPECIFICATIONS

Feature	Detail
Model Number	19-14783-UR
Part Type	Sollatek Temperature Control Module (OEM)
Brand	Master-Bilt
Product Dimensions	3.55 x 2.15 x 1.8 inches (approximate)
Item Weight	6.4 ounces (approximate)
Manufacturer	Master-Bilt

Feature	Detail
Date First Available	December 21, 2022

9. WARRANTY AND SUPPORT

As a genuine Master-Bilt OEM replacement part, the 19-14783-UR module is typically covered by the standard manufacturer's warranty for replacement parts. The specific terms and duration of the warranty may vary. Please retain your proof of purchase.

For warranty claims, technical support, or further assistance, please contact Master-Bilt customer service or your authorized Master-Bilt service provider. You can usually find contact information on the official Master-Bilt website or in your refrigeration unit's primary documentation.

Master-Bilt Official Website: www.master-bilt.com

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