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› W10503278 Refrigerator Control Jazz Board Instruction Manual

UpStart Components AP-WPW10503278-DL1759

W10503278 Refrigerator Control Jazz Board Instruction Manual

Model: AP-WPW10503278-DL1759 | Brand: UpStart Components

INTRODUCTION

This instruction manual provides essential information for the installation, operation, and maintenance of the UpStart Components W10503278 Refrigerator Control Jazz Board. This replacement part is designed to be compatible with various Whirlpool refrigerator models, including the WRB119WFBM00, and replaces original part numbers such as WPW10503278, AP6022400, and others. Please ensure this board matches your original part before proceeding with installation.

Important Note: This is an UpStart Components brand replacement part and is not an OEM (Original Equipment Manufacturer) product. All mentions of brand names or model descriptions are for compatibility illustration only. This product is not affiliated with any original manufacturers, and any warranties are provided solely by UpStart Components.

SAFETY INFORMATION

Always prioritize safety when working with electrical appliances. Failure to follow these safety guidelines may result in electric shock, injury, or damage to the appliance.

- Disconnect Power:** Before beginning any installation or maintenance, always disconnect the refrigerator from its power source by unplugging it or turning off the circuit breaker.
- Wear Protective Gear:** Use appropriate personal protective equipment, such as insulated gloves and safety glasses.
- Static Discharge:** Electronic components are sensitive to static electricity. Discharge any static electricity from your body before handling the control board by touching a grounded metal object.
- Professional Assistance:** If you are unsure about any step, consult a qualified appliance technician.
- Inspect Components:** Before installation, visually inspect the new control board for any signs of damage.

PRODUCT OVERVIEW

The W10503278 Refrigerator Control Jazz Board is a critical electronic component responsible for managing various functions of your refrigerator, including temperature control, defrost cycles, and compressor operation. This board is designed for durability and easy at-home installation.



Components

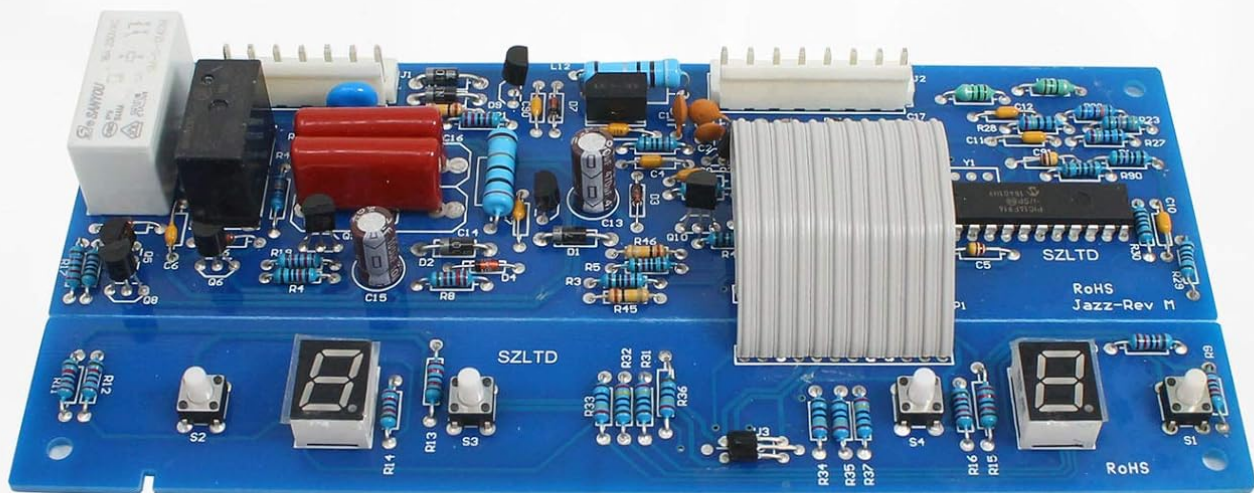


Figure 1: Front view of the UpStart Components W10503278 Refrigerator Control Jazz Board. This image shows the overall layout of the circuit board with various electronic components, including resistors, capacitors, integrated circuits, and connectors.

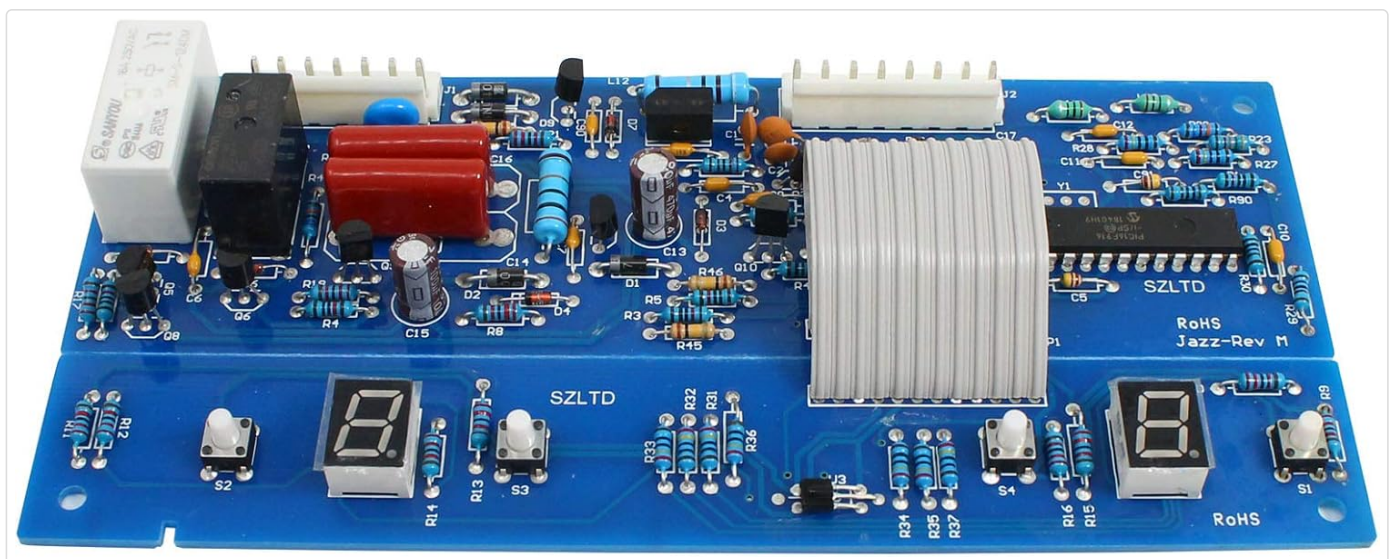


Figure 2: Detailed view of the W10503278 Refrigerator Control Jazz Board, highlighting the various electronic components such as the large heat sink, relays, and display segments. This perspective provides a clearer look at the intricate circuitry.

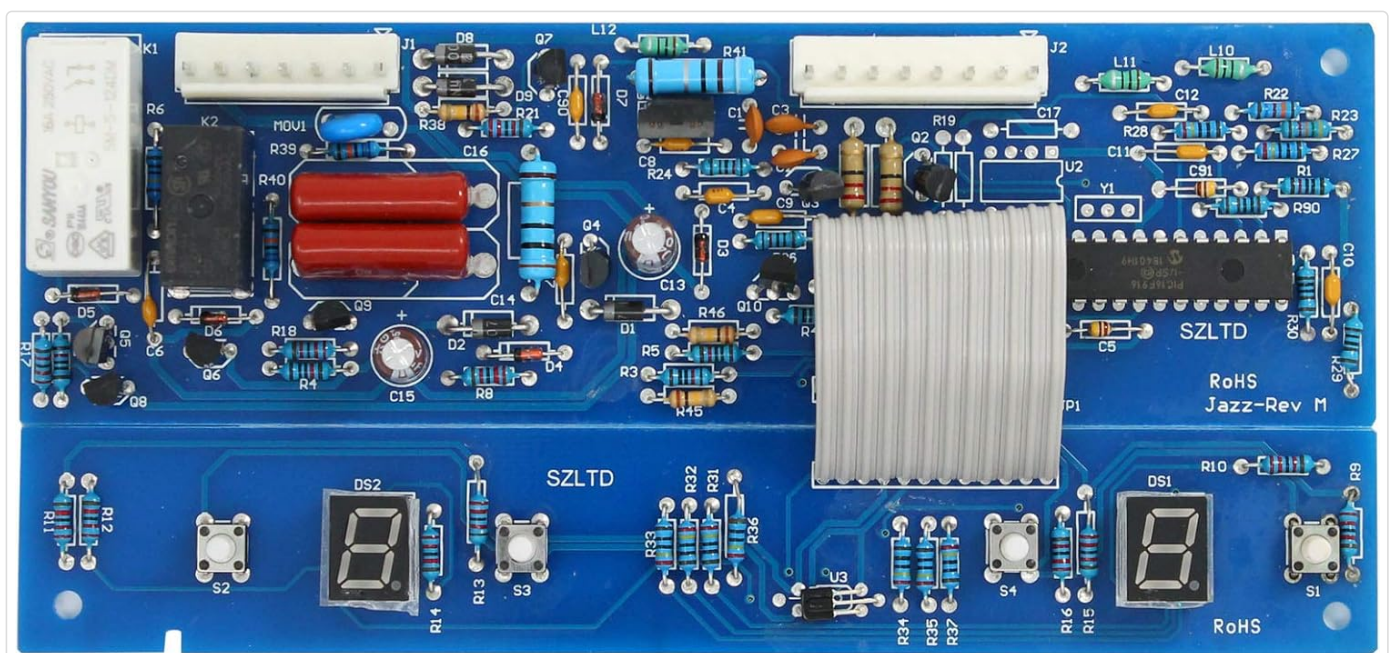


Figure 3: Another top-down perspective of the W10503278 Refrigerator Control Jazz Board, showing the arrangement of connectors and the two digital display readouts. This view emphasizes the compact design and component density.

INSTALLATION INSTRUCTIONS

Replacing the refrigerator control board requires careful attention to detail. Follow these steps precisely to ensure proper installation and avoid damage.

1. Prepare for Installation:

- Unplug the refrigerator from the wall outlet to completely disconnect power.
- Move the refrigerator away from the wall to access the rear panel.
- Locate the control board access panel, typically on the back of the refrigerator, near the compressor.

2. Access the Old Board:

- Using a screwdriver, remove the screws securing the access panel. Carefully set the panel aside.
- Before disconnecting any wires, take clear photos of the existing wiring connections. This will serve as a reference for connecting the new board.

- Carefully disconnect all wire harnesses and connectors from the old control board. Note their positions.
- Remove the screws or clips holding the old control board in place and carefully remove it from the refrigerator.

3. Install the New Board:

- Align the new UpStart Components W10503278 control board with the mounting points.
- Secure the new board using the screws or clips removed earlier. Ensure it is firmly seated.
- Refer to your photos and carefully reconnect all wire harnesses and connectors to their corresponding terminals on the new board. Ensure all connections are secure and properly seated.

4. Final Steps:

- Replace the access panel and secure it with the screws.
- Carefully push the refrigerator back into its original position.
- Plug the refrigerator back into the wall outlet.
- Verify proper operation by checking if the refrigerator powers on and functions correctly (e.g., compressor running, lights on, temperature control responsive).

If the refrigerator does not function as expected after installation, double-check all wire connections and ensure the board is securely mounted.

OPERATING INSTRUCTIONS

The W10503278 Refrigerator Control Jazz Board operates automatically once installed and powered. It manages the internal functions of your refrigerator based on the settings you select on your appliance's user interface (e.g., temperature dial, digital display).

- **Temperature Control:** The board processes temperature sensor inputs and activates the compressor and fan motors to maintain the set temperature. Adjust your refrigerator's thermostat as per its original user manual to change temperature settings.
- **Defrost Cycle:** The board initiates and manages the automatic defrost cycle to prevent ice buildup on the evaporator coils. This is a normal function and does not require manual intervention.
- **Diagnostic Displays:** Some control boards may feature small LED displays (as seen in product images) that show diagnostic codes or operational status. Refer to your refrigerator's service manual for interpretation of these codes, if applicable.

No direct user interaction with the control board itself is required for normal operation after installation.

MAINTENANCE

The W10503278 Refrigerator Control Jazz Board is a sealed electronic component and requires no routine maintenance. However, general refrigerator maintenance can help prolong the life of all components, including the control board.

- **Keep Area Clean:** Ensure the area around the control board (typically at the back of the refrigerator) is free from dust and debris, which can impede airflow and lead to overheating.
- **Check for Loose Connections:** Periodically, with power disconnected, you may inspect the wiring connections to the board to ensure they remain secure.
- **Avoid Moisture:** Keep the control board area dry. Moisture can cause short circuits and damage electronic components.

TROUBLESHOOTING

If your refrigerator experiences issues after replacing the control board, consider the following troubleshooting steps:

Problem	Possible Cause	Solution
Refrigerator not powering on	Loose power connection to board; tripped circuit breaker; faulty outlet.	Ensure refrigerator is plugged in securely. Check circuit breaker. Verify outlet has power. Recheck all wire connections to the control board.
Refrigerator not cooling	Incorrect temperature setting; faulty thermistor; compressor issue; board malfunction.	Check temperature settings. If other components are suspected, professional diagnosis may be required. Ensure board connections are secure.
Unusual noises or erratic behavior	Loose components; wiring issues; component failure.	Disconnect power and re-examine all connections on the board. Ensure no wires are pinched or loose.
Error codes displayed (if applicable)	Specific component failure or system fault.	Consult your refrigerator's service manual for the meaning of specific error codes.

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance repair technician or UpStart Components customer support.

SPECIFICATIONS

- **Part Number:** AP-WPW10503278-DL1759
- **Compatible Part Numbers:** WPW10503278, AP6022400, W10503278, 12784415, 12002339, 12002445, 12002449, 12002508, 12002509, 12002567, 12002706, 12784415V, 12868502, 12868510, 12868513, 67003867, 67004453, 67004496, 67004907, 67005043, 67005280, 67005281, 67006034, 67006209, 67006214, 67006216, 67006226, 67006712, 67006740, 8208187, PS11755733, W10165748
- **Material:** Plastic
- **Manufacturer:** UpStart Components
- **Compatibility:** Designed for various Whirlpool refrigerator models, including WRB119WFBM00.

WARRANTY AND SUPPORT

Any warranties for this UpStart Components W10503278 Refrigerator Control Jazz Board are offered solely by UpStart Components. For specific warranty details, claims, or technical support, please contact UpStart Components directly.

Contact Information: Please refer to the packaging or the UpStart Components official website for the most current customer support contact details.

It is recommended to retain your proof of purchase for warranty purposes.

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