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## De'Longhi MW20 MW663F

# De'Longhi High Voltage Fuse and Holder Instruction Manual

Model: MW20, MW663F

## INTRODUCTION

This manual provides essential information for the safe installation and understanding of the De'Longhi High Voltage Fuse and Holder, designed for specific microwave oven models MW20 and MW663F. This component is a critical safety device within the microwave's high-voltage circuit. Due to the inherent dangers of high voltage, installation should only be performed by a qualified technician.

## IMPORTANT SAFETY INSTRUCTIONS

**WARNING:** Microwave ovens contain high-voltage components that can store a lethal electrical charge even when unplugged. Attempting repairs or component replacement without proper training and equipment can result in severe injury or death.

- **Professional Installation Required:** This component must be installed by a qualified and experienced microwave repair technician.
- **Disconnect Power:** Always ensure the microwave oven is unplugged from the power outlet and the capacitor is fully discharged before attempting any service.
- **Use Correct Part:** Only use the specified De'Longhi fuse and holder for models MW20 and MW663F to ensure compatibility and safety.
- **Do Not Bypass Safety Devices:** Never bypass or modify safety interlocks or protective devices.

## PRODUCT OVERVIEW

The De'Longhi High Voltage Fuse and Holder is an essential protective device for your microwave oven's high-voltage circuit. It is designed to interrupt the electrical current in case of an overload or short circuit, preventing damage to other components and ensuring user safety. This specific fuse is rated for 5 kW and 0.7 Amperes.



Image: De'Longhi High Voltage Fuse and Holder. This image shows the compact design of the fuse and its holder, typically found within the high-voltage section of a microwave oven.

## INSTALLATION (PROFESSIONAL SERVICE ONLY)

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This section outlines the general steps for replacing the high voltage fuse and holder. **This procedure must only be performed by a certified technician.**

1. **Power Disconnection:** Unplug the microwave oven from the main power supply.
2. **Capacitor Discharge:** Safely discharge the high-voltage capacitor using an appropriate discharge tool. Verify discharge with a multimeter.
3. **Access Components:** Remove the microwave's outer casing to gain access to the high-voltage transformer, capacitor, and magnetron area.
4. **Locate Fuse and Holder:** Identify the existing high-voltage fuse and its holder. It is typically connected in series with the high-voltage transformer and capacitor.
5. **Remove Old Component:** Carefully disconnect the wiring from the old fuse holder and remove the component. Note the orientation and connections.
6. **Install New Component:** Connect the new De'Longhi High Voltage Fuse and Holder (5 kW, 0.7 A) in the same manner as the old one. Ensure all connections are secure and properly insulated.
7. **Reassemble and Test:** Reassemble the microwave casing. Before plugging in, perform continuity checks. Plug in the microwave and perform a functional test with a cup of water to ensure proper operation and heating.

## FUNCTION AND ROLE

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The high voltage fuse acts as a sacrificial component, designed to blow and break the circuit if there is an excessive current draw in the high-voltage section. This protects the more expensive components like the magnetron, high-voltage transformer, and capacitor from damage due to faults such as a shorted magnetron or a faulty capacitor. Its proper functioning is crucial for the safe operation of the microwave oven.

## MAINTENANCE

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This component is a replacement part and generally requires no routine maintenance. If the fuse blows, it indicates an underlying issue within the microwave's high-voltage circuit. Simply replacing the fuse without addressing the root cause will likely result in the new fuse blowing again. Always consult a qualified technician to diagnose the cause of a blown fuse.

## TROUBLESHOOTING

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If your microwave oven is not heating or is completely dead after replacing the high voltage fuse and holder, consider the following:

- **Fuse Blown Again:** If the new fuse blows immediately, there is a persistent fault in the high-voltage circuit (e.g., faulty magnetron, capacitor, or diode).
- **Incorrect Installation:** Double-check all connections for proper seating and insulation.
- **Other Component Failure:** The fuse might have blown due to a failure in another high-voltage component. A technician can test the magnetron, capacitor, and high-voltage diode.
- **Power Supply Issue:** Ensure the microwave is receiving power from the wall outlet.

**Always seek professional assistance for diagnosis and repair of microwave oven faults.**

## SPECIFICATIONS

Feature	Detail
Brand	De'Longhi
Product Type	High Voltage Fuse and Holder
Compatibility	De'Longhi Microwave Models MW20, MW663F
Power Rating	5 kW
Current Rating	0.7 A
Dimensions (L x W x H)	1 x 1 x 7 cm
Weight	10 g
ASIN	B074FXRYJQ

## WARRANTY AND SUPPORT

Information regarding specific warranty terms for this replacement part is not available in the provided product details. Please refer to your original microwave oven's warranty documentation or contact De'Longhi customer support for details on replacement part warranties. For technical support, always consult a qualified appliance repair professional.