

FLCG7522AW0

Replacement Microwave Magnetron Instruction Manual

Model: FLCG7522AW0

1. INTRODUCTION

This manual provides essential information for the safe handling, installation, and understanding of your new replacement microwave magnetron. The magnetron is a key component responsible for generating the microwave energy that heats food in your microwave oven. This replacement part is designed to restore the functionality of compatible microwave ovens.

2. IMPORTANT SAFETY INFORMATION

WARNING: Microwave ovens contain high-voltage components, including capacitors that can retain a lethal electrical charge even when the appliance is unplugged. Servicing a microwave oven should only be performed by a qualified and experienced technician. Attempting repairs without proper knowledge and safety precautions can result in severe injury or death.

- Always unplug the microwave oven from the power source before attempting any inspection or repair.
- Discharge the high-voltage capacitor before touching any internal components. Refer to your microwave oven's service manual for specific instructions on safely discharging the capacitor.
- Wear appropriate personal protective equipment (PPE), including insulated gloves.
- Do not operate the microwave oven with the outer casing removed or if the magnetron is damaged.
- Ensure proper ventilation during operation.

3. PRODUCT OVERVIEW

The replacement magnetron is a vacuum tube that produces microwaves. It typically consists of a metal housing, an antenna, and electrical terminals. Its design allows it to be mounted securely within the microwave oven's cavity.



Figure 1: Image of the Replacement Microwave Magnetron. This component features a metallic housing with cooling fins, an antenna protruding from one side, and electrical terminals on the top for power connection. A gold mesh filter is visible around the antenna base.

4. COMPATIBILITY

This replacement magnetron is compatible with various microwave oven models from different brands. Please verify your microwave oven's model number against the list below to ensure compatibility before installation.

Compatible Sears Models:

- 970-C90702-00
- 970-C90802-00
- 970-C90862-00
- 970-C98902-00

Compatible White-Westinghouse Models:

- SWSG1031DS1
- FLCG7522AW0
- FFLG3900UW2
- SWSG1031HS0
- LG400AXW1
- FFLE3900UW3
- WLSG62RFW1
- FFLG3900UW5
- LE600AXD2
- LG400AXD1
- SWXG831HQ1
- SWSG1031HS2
- SWXG831HS2
- WLXG42REW3
- LE600AXD1
- WLXG42REW4
- LE400AXW1
- WLSG62RFD0
- WLSG62RFW0
- SWXG831HS4
- CFLE3900UW3
- SWSG1031DS0
- LG400SXD3
- SWXG831DS1
- LG600AXW1
- LG600AXD1
- SWSG1031DQ1
- FFLE3900UW2
- LE600AXW1
- CFLE3900UW1
- SWXG831HS0
- SWSG1031HQ2
- FLCG7522AW1
- SWXG831DQ0
- SWSG1031HS4
- LE600AXW2
- SWSG1031HS1
- SWXG831DQ1
- WLXG42REW5
- FFLE3911QW0
- LE400AXW2
- SWXG831DS0
- WLSG62RFW4

- WLSG62RFW5
- WLXG42RED1
- WLXG42REW0
- LG400SXW1
- FLCE7522AW1
- SWSG1031HQ0
- WLXG42REW2
- LG400SXW3
- WLXG42REW1
- LG400SXW2
- SWXG831HQ2
- FLCE752CAW0
- SWXG831HQ4
- SWSG1031DQ0
- LG400SXD1
- FLCE752CAW1
- SWSG1031HQ4
- LG400SXD2
- WLXG42RED0
- FLCE7522AW0
- LE400AXD2
- FFLG3900UW1
- SWXG831HS1
- FFLE3900UW1
- WLSG62RFD1
- WLSG62RFW2
- LE400AXD1

Compatible Gibson Models:

- GL27M6WAFWA
- EL27M6WAFWA
- GES831AS1
- GES831CS0
- GLSE62RFW0
- GLSE62RHS0
- GLSE62RHS1
- GLSG62RHS0
- EL27M6WAFB
- GLSG62RFW0
- GES831AS0
- GES831AS2

Compatible Kenmore Models:

- 41798864891

- 41793872201
- 40185042310
- 41797912701
- 41793862200
- 41799576800
- 41794872300
- 41790814000
- 41798702892
- 40188523900
- 40185046010
- 41790872990
- 41797802791
- 41799375110
- 41799375120
- 41790812992
- 4179968020
- 40185059210
- 40185044010
- 41790802991
- 41797912704
- 41790862992
- 41799680200
- 41799390130
- 41797864790
- 41794812300
- 41799375810
- 40185053310
- 41797962703
- 40185049210
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- 41799390820
- 41794802300
- 41799812990
- 41799370800
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- 41790802992
- 40185059010
- 41799817990
- 41799877990
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- 41793812201
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- 41799370120
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- 41799390100
- 41790817990
- 40185042010
- 41790802990
- 41799882990
- 41798702891
- 41799390110
- 40185044110
- 41771733810
- 41799686210
- 41793702201
- 41797862790
- 41794872302
- 41761733811
- 41799686400
- 41798804890
- 41799570150
- 40185046210
- 41799570110
- 41797802792
- 40188522011
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- 41799872990
- 41790814002
- 41797812702
- 41799576110
- 41799370130
- 41797812700
- 41799570800
- 41771712512
- 41794802301
- 41799822990

- 41799375100
- 40185043010
- 41799370110
- 41799395800
- 41799807990
- 40185049010
- 41771722510
- 41793814201
- 40188529900
- 41799680410
- 41794812301
- 41761712511
- 41799570140
- 41797962701
- 41797962705
- 41790862990
- 40185043310
- 41798804891
- 41793812200
- 41794862302
- 40188523011
- 41794862301
- 40185052210
- 41761712510
- 41797804791
- 41797802790
- 41799370100
- 41799680210
- 41797922700
- 41793702200
- 40185052010
- 41790872992
- 41799570100
- 40185143210
- 41771723511
- 41794712400
- 41799862990
- 41793862201
- 41799686200
- 41761722511
- 41761723511
- 41799867990
- 41799680400

- 41797962700
- 41798862891
- 41798802890
- 41797804790
- 40188523211
- 41771732810
- 41791702001
- 40185043210
- 41771722512
- 41797862791
- 41797972700
- 41790814001
- 40185053210
- 41790862991
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- 41799570810
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- 41797864791
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- 41791702000
- 41799370830
- 41794862300
- 41794872301
- 41771723510
- 41799395120
- 41799395810
- 41799375820
- 41771723512
- 41799390810
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- 41797912700
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- 41799370820
- 41799576810
- 41797804792
- 40188529011
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- 40185143010
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- 41799390120
- 41797922701
- 41761723510
- 41799570120
- 41798802891
- 41799887990
- 41797962702
- 41797972701
- 41798702890
- 41761722510
- 41797812704
- 41799395100
- 41794814301
- 41799827990
- 41793802200
- 41797862792
- 41790812991
- 41799390800
- 41797822700
- 41793872200

Compatible Samsung Models:

- ME21H706MQB/AA-02
- ME18H704SFW/AA-00
- ME20H705MSS/AA-04
- ME16H702SES/AA-01
- ME21DB630012AA
- ME19R7041FG/AA-00
- ME16K3000AB/AA-00
- ME20H705MSB/AA-00
- ME16K3000AS/AA-02
- SMH1927S/XAA-00
- ME21H706MQS/AC-01
- SMH2117S/XAA-01

- ME20H705MSB/AA-01
- ME20H705MSS/AA-02
- ME18H704SFW/AA-05
- SMH1713W/XAA-01
- ME17R7021EW/AA-01
- ME21K7010DG/AA-00
- ME17H703SHS/AA-00
- ME18H704SFB/AA-00
- ME21DG630012AA
- ME21H706MQB/AA-00
- SMH1816B/XAA-00
- ME19R7041FS/AA-00
- SMH9151B/XAA-00
- ME16K3000AW/AA-00
- SMH1927W/XAA-01
- ME19R7041FB/AA
- ME20H705MSW/AA-01
- ME18H704SFB
- SMH1713S/XAA-01
- ME21H706MQS/AC-02
- ME21H706MQB/AA-01
- ME21K6000AS/AA-00
- ME21H706MQS/AA-00
- ME21K7010DG/AA-02
- ME18H704SFS/AA-00
- ME21K7010DS/A2-02
- ME18H704SFW/AA-04
- ME21R706BAT/AA
- SMH1816W/XAA-00
- SMH1816S/XAA
- SMH1926W/XAA-00
- ME18H704SFB/AA-02
- ME21F707MJT/AA-04
- ME17H703SHS/AA-01
- ME16K3000AS/AA-00
- ME21M706BAS/AA-00
- ME18H704SFS/AA-05
- ME18H704SFG/AA-04
- ME21K7010DS/A2-01
- ME18H704SFB/AA-01
- SMH1816S/XAC
- ME16H702SEB/AA-01
- ME21F606MJT/AA-01

- ME17R7021ES/AA-01
- ME20H705MSS/AA-01
- ME18H704SFB/AA-04
- SMH1622S/XAA-01
- ME21DG6300SRAA
- SMH9151B/XAA
- ME16K3000AS/AA-04
- ME16H702SES/AA-02
- ME21K6000AS/AA-01
- ME20H705MSW/AA-00
- ME17R7021EG/AA-01
- ME21R7051SS/AA-00
- ME18H704SFG/AA-02
- ME19A7041WS/AA-00
- ME21H706MQG/AA-00
- ME21M706BAG/AA-00
- SMH9151ST/XAA-00
- ME18H704SFB/AC-02
- ME16H702SEB/AA-00
- ME21H9900AS/AA-00
- SMH1622B/XAA-01
- ME16H702SES/AA-03
- ME16H702SES/AA-04
- ME16K3000AW/AC
- ME16K3000AS/AA-01
- ME21F707MJT/AA-03
- SMH9151STE/XAA-00
- ME18H704SFS/AA-01
- ME20H705MSS/AA-00
- ME18H704SFG/AA-03
- ME21H706MQW/AA-00
- ME17R7021EG/AA-00
- ME21H706MQG/AA-04
- ME21F606MJT/AA-00
- ME18H704SFS/AA-03
- ME18H704SFB/AA-05
- ME16K3000AS/AA-03
- SMH9151BE/XAA-00
- ME21DG6500SRAA
- ME17R7021ES/AA-00
- ME21DG6300MTAA
- ME21H9900AS/AA-01
- SMH1713B/XAA-01

- ME18H704SFB/AA-03
- ME21DG6700SRAA
- ME17H703SHS/AA
- SMH1611W/XAA-00
- ME21K7010DS/A2-00
- ME17R7021EW/AA-00
- ME21F707MJT/AA-01
- ME21F707MJT/AA-00
- ME17H703SHW/AA-01
- ME18H704SFG/AA-00
- ME17H703SHB/AA-00
- ME18H704SFG/AA-01
- SMH1927W/XAA-00
- ME20H705MSS/AA-05
- ME21K7010DG/AA-01
- SMH9151WE/XAA-00
- ME17H703SHW/AA-00
- ME18H704SFW/AA-03
- SMH1927S/XAA-01
- SMH1926S/XAA-00
- ME19R7041FS/AA
- ME18H704SFB/AC-03
- ME21R7051SG/AA-00
- ME19R7041FG/AA
- ME21F707MJT/AA-02
- ME16A4021AW/AA-00
- ME16H702SES/AA-00
- SMH1622W/XAA-01
- SMH9151S/XAA-00
- ME21H706MQS/AA-03
- ME21DB670012AA
- ME21M706BAS/AA
- SMH1926B/XAA-00
- ME18H704SFW/AA-01
- ME16K3000AS/AA-05
- SMH1816S/XAA-00
- SMH1927B/XAA-00
- ME18H704SFS/AA-04
- ME21H706MQS/AC-03
- ME16A4021AB/AA-00
- SMH2117S/XAA-02
- ME21DG6500MTAA
- ME21H706MQG/AA-02

- ME21R7051SG/AA
- SMH9151W/XAA-00
- SMH1927B/XAA-01
- ME21H706MQG/AA-03

5. SETUP AND INSTALLATION

Installation of a microwave magnetron requires specialized knowledge and tools due to the high voltage involved. It is strongly recommended that this procedure be performed by a certified appliance technician.

General steps for a qualified technician:

1. **Disconnect Power:** Unplug the microwave oven from the wall outlet.
2. **Discharge Capacitor:** Safely discharge the high-voltage capacitor using a properly insulated tool. This is a critical safety step.
3. **Access Magnetron:** Remove the outer casing of the microwave oven to gain access to the magnetron. The location may vary by model.
4. **Disconnect Wiring:** Carefully disconnect the electrical wires from the old magnetron. Note their positions for reinstallation.
5. **Remove Old Magnetron:** Unscrew and remove the old magnetron from its mounting bracket.
6. **Install New Magnetron:** Position the new magnetron in the same orientation as the old one and secure it with screws.
7. **Reconnect Wiring:** Reconnect the electrical wires to the new magnetron's terminals, ensuring a secure connection.
8. **Reassemble:** Replace the microwave oven's outer casing, ensuring all screws are tightened.
9. **Test:** Plug the microwave oven back into the power outlet and perform a test run with a cup of water to ensure proper heating. Observe for any unusual noises or smells.

6. OPERATING PRINCIPLES

Once correctly installed, the magnetron functions automatically as part of the microwave oven's heating system. When the microwave oven is turned on, the magnetron converts electrical energy into high-frequency radio waves (microwaves). These microwaves are directed into the cooking cavity, where they interact with water molecules in food, causing them to vibrate rapidly and generate heat, thus cooking the food.

7. MAINTENANCE

The magnetron itself is a sealed component and does not require routine maintenance. Its lifespan is typically determined by usage and operating conditions. To prolong the life of your microwave oven and its components, ensure the microwave oven is kept clean, especially the interior cavity and waveguide cover, to prevent arcing and damage to the magnetron.

- Regularly clean the interior of the microwave oven to prevent food splatter buildup.
- Ensure the waveguide cover (a small, usually rectangular or oval plate inside the microwave) is clean and intact. A damaged or dirty waveguide cover can lead to magnetron failure.
- Avoid operating the microwave oven empty, as this can stress the magnetron.

8. TROUBLESHOOTING

If your microwave oven is experiencing issues after magnetron replacement, or if you suspect the magnetron is

failing, consider the following:

Symptom	Possible Cause	Action
Microwave runs but does not heat food.	Faulty magnetron, high-voltage capacitor, or diode.	If the magnetron was just replaced, recheck connections. If not, professional diagnosis is required.
Loud buzzing or humming noise during operation.	Arcing within the magnetron or waveguide, or a failing high-voltage transformer.	Immediately unplug the microwave. Do not use. Seek professional repair.
Burning smell or smoke.	Internal arcing, damaged components (including magnetron).	Immediately unplug the microwave. Do not use. Seek professional repair.
Microwave trips circuit breaker.	Short circuit in high-voltage components (magnetron, transformer, diode, capacitor).	Immediately unplug the microwave. Do not use. Seek professional repair.

Note: Due to the inherent dangers of microwave oven repair, all troubleshooting and repairs beyond simple external checks should be performed by a qualified technician.

9. SPECIFICATIONS

- **Product Type:** Replacement Microwave Magnetron
- **Manufacturer:** Generic
- **Model Number:** FLCG7522AW0 (This is one of the compatible models, often used as a generic identifier for the part)
- **Product Dimensions:** Approximately 1 x 1 x 1 inches (as per product data, actual size may vary slightly for different compatible models)
- **Included Components:** Magnetron
- **Country of Origin:** China
- **ASIN:** B0F3TTHC19

10. WARRANTY AND SUPPORT

For information regarding warranty coverage and technical support for this replacement magnetron, please refer to the seller's policy on the platform where the purchase was made. Keep your proof of purchase for any warranty claims.

For general inquiries or assistance, please contact the seller directly through your order history.