

WDYRC-P1198621M

Generic Replacement Microwave Diode User Manual

Model: WDYRC-P1198621M

1. INTRODUCTION

This instruction manual provides essential information for the safe and proper handling, installation, and maintenance of the Generic Replacement Microwave Diode, Model WDYRC-P1198621M. This component is designed to replace original diodes in various microwave oven models from brands such as Amana, Kenmore, Magic Chef, Maytag, and Samsung. Please read this manual thoroughly before attempting any installation or repair.

2. SAFETY INFORMATION

WARNING: MICROWAVE OVENS CONTAIN HIGH VOLTAGE COMPONENTS THAT CAN RETAIN A LETHAL ELECTRICAL CHARGE EVEN WHEN UNPLUGGED. IMPROPER HANDLING CAN RESULT IN SEVERE INJURY OR DEATH.

- Always unplug the microwave oven from the power outlet before attempting any service or repair.
- Discharge the high-voltage capacitor before touching any internal components. This procedure should only be performed by a qualified technician.
- If you are not experienced with microwave oven repair, it is strongly recommended to seek assistance from a qualified appliance repair technician.
- Wear appropriate personal protective equipment, including insulated gloves and safety glasses.
- Ensure all replacement parts are compatible with your specific microwave model.

3. PRODUCT OVERVIEW

The microwave diode is a critical component in the high-voltage circuit of a microwave oven. It converts the alternating current (AC) from the high-voltage transformer into direct current (DC) pulses, which are then used to power the magnetron, generating microwaves for cooking.



Image: A black cylindrical microwave diode with a metal ring terminal on one end and a crimped terminal on the other, encased in heat shrink tubing.

4. SETUP AND INSTALLATION

Replacing a microwave diode requires technical knowledge and adherence to strict safety protocols due to the high voltage involved. It is highly recommended that this procedure be performed by a qualified service technician.

1. **Disconnect Power:** Unplug the microwave oven from the electrical outlet.
2. **Access Components:** Carefully remove the microwave's outer casing to access the internal components. Refer to your specific microwave model's service manual for exact instructions.
3. **Discharge Capacitor:** Locate the high-voltage capacitor and safely discharge it using an insulated screwdriver or a specialized discharge tool. This step is critical to prevent electric shock.
4. **Locate Diode:** Identify the existing microwave diode, typically connected between the high-voltage capacitor and the microwave chassis.
5. **Remove Old Diode:** Disconnect the old diode, noting its orientation and connections. Diodes are polarized, meaning they must be installed in a specific direction.
6. **Install New Diode:** Connect the new replacement diode (Model WDYRC-P1198621M) in the exact same orientation as the old one. Ensure all connections are secure.
7. **Reassemble:** Carefully reassemble the microwave oven, ensuring all wires are properly routed and

the casing is securely fastened.

8. **Test:** Plug the microwave back in and perform a test run with a cup of water to ensure proper operation.

Failure to follow these safety guidelines can result in serious injury or damage to the appliance.

5. OPERATING PRINCIPLE

Once installed, the diode functions automatically as part of the microwave's high-voltage circuit. It rectifies the high-voltage AC power, allowing the magnetron to receive the necessary DC voltage to generate microwaves. There are no user-operable controls directly associated with the diode itself.

6. MAINTENANCE

The microwave diode is a sealed component and does not require routine maintenance. Its lifespan is generally long, but it can fail due to electrical stress or age. If your microwave exhibits symptoms of a faulty diode, replacement is the only solution.

Regular maintenance of the microwave oven itself, such as keeping the interior clean and ensuring proper ventilation, can contribute to the overall longevity of all its components, including the diode.

7. TROUBLESHOOTING

A faulty microwave diode can manifest in several ways. If your microwave oven is experiencing any of the following issues, the diode may need to be replaced:

- **No Heat:** The microwave runs, the light comes on, and the turntable spins, but food does not heat up. This is a common symptom of a failed diode or magnetron.
- **Loud Buzzing Noise:** An unusually loud buzzing or humming sound during operation, often accompanied by no heating.
- **Tripping Breaker:** The microwave trips the circuit breaker shortly after starting. While this can be caused by other components, a shorted diode is a possibility.
- **Burning Smell:** A burning smell, though this can also indicate other component failures.

If you suspect a diode failure, consult a qualified technician for diagnosis and replacement. Do not attempt to operate a microwave with a suspected faulty high-voltage component.

8. SPECIFICATIONS

Feature	Detail
Manufacturer	Generic
Product Dimensions	1 x 1 x 1 inches
Model Number	WDYRC-P1198621M
Included Components	Microwave Diode
ASIN	B0F6RJKDX2
Date First Available	April 28, 2025

9. COMPATIBILITY

This replacement microwave diode is compatible with a wide range of microwave oven models from various brands. Please verify your microwave's model number against the list below to ensure compatibility. This list is not exhaustive and serves as a guide.

Compatible Amana Models:

- MDC182-P2003805M
- RC14TE/P7688113M
- ACM1120AB-PACM1120AB0
- SEFS65D/P1300903M
- FSP11-P1302102M
- RFS10-P7715412M
- RC17SD2-P1329102M
- M84T
- WDYRC-P1198621M
- HDC12-P1323009M
- RC5PHB-P1327607M
- MXP22B-P2001615M
- RC20SE-P1104108M
- MW85T-P1154506M
- MC22MP-P1198703M
- U3100I/P4020004501
- ASE7000-P1326308M
- ACM0860AC
- MDC182SA-P2003629M
- RC17S-P1326302M
- FSP11SS-P1185803M
- CCMA2230-P1194115M
- M85T-P1154503M
- MVH320E-P1195206M
- ASE7000-P1329108M

- URS511M
- RC17-P1198612M
- C64TMA
- RC27-P1198608M
- MC5214MP/P1165402M
- CSNAC700-P4020005602
- DE1200D/P1189103M
- RC20SE/P7688115M
- CW76T-P1178805M
- URS511
- GCSAND7DP4020005802
- MVH130W-P1307902M
- AXP22TLT-P2004202M
- MDC182T-P2003621M
- UFS850D/P1189301M
- M86P
- MVH200E1-P1119108M
- FSC10-P1304418M
- RFS10SE-P7787204M
- RVS10/P7787206M
- RC22MPS-P1107906M
- ACM1460AC-PACM1460AC0
- MRC518SU2-P1332818M
- RFS59MP/P1119205M
- ACM1420AW-PACM1420AW0
- J1206I/P1179304M
- FSP10-P4020004102
- MVH200E-P1119101M
- MWT4661W/P1119115M
- GSAND8LW-P1186705M
- FSP11LW-P1302103M
- MM2000CS-P1194120M
- U3100D/P1194303M
- RC5PHBU-P1327606M
- HDC12A2-P2003801M
- MMO2661W-P1140316N
- MMO2661D-P1140315N
- UC11E-P1330513M
- MVH130E-P1307901M
- AEC2000-P1323018M
- RC16MP-P1191101M
- U2800ST/P0U2800ST
- U1200I/P1189801M

- MWT4661D/P1140313N
- U1600I/P1189901M
- HDC12A2-P2003601M
- HDC12A2-P1333101M
- DEFS9001/P1189701M
- ACM0860AW
- WDYRC2-P1329111M
- MVH210W-P1184201M
- MC22MPT-P1198702M
- ACM1120AS
- FS8-P1185604M
- SAND700.C-SAND700.C
- MDC182CD-P2003879M
- CMM2000C-P1194108M
- RVS10/P7715414M
- MMO2661D-P1119111M
- DE1600I/P1300503M
- MVH200W1-P1119106M
- MVH330L
- CMM2230C-P1194116M
- SAND700-P1186801M
- FS14EVP-P4020004901
- CCMA2000BK-P1194110M
- MVH220E-P1195204M
- FS11EVP-P1186001M
- M85T-P1154502M
- RC14SE/P7688114M
- DE1200D/P1300502M
- A1200S-P4020008302
- MVH230W-P1307904M
- ACM1460AW-PACM1460AW0
- DE1600I/P1189101M
- MXP22B-P2001625M
- MVH200E1-P1119105M
- WDYRC26J2-P1331409
- MM2000C-P1194102M
- M86P/P7814402M
- RC517MP/P1199601M
- RC22S-P1198605M
- MC23MP-P1326401M
- RC514SE/P7836202M
- MWT4661D/P1119114M
- DE1200I/P1189102M

- J1205I/P1179305M
- RC17SD2-P1326301M
- RC520T2-P1331423M
- MC2100MPP-P1154604M
- UM2000C/P1194104M
- VEND11B-P1185804M
- RC22-P1198604M
- A1225S-P1185701M
- FS7EVP-P1185601M
- CRC510T2-P1304419M
- URC510T2/P1304420M
- UCA2000NT-P1325905M
- GCSAND7DRRP1186707M
- RC514SE/P1140801M
- M84T/P7814401M
- U1200I/P1194305M
- UCA2000/P1194103M
- EFS850D/P1300901M
- GSAND8LW-P1186702M
- AXP22T-P2004201M
- MC2000MPP-P1154603M
- MXP22BT-P2004216M
- FS8LW-P1185603M
- SNAC700-P1185501M
- EH23A1/P4020008001
- HDC12A2-P2003101M
- U1600I/P1194302M
- J1205I/P1179303M
- UC11E2-P1331236M
- GCSAND7DRR-P1186704M
- C64TMA/P7814406M
- U1600S/P1194304M
- MW96T-P1178808M
- GCSAND8LWP1186703M
- RC17SD-P1198623M
- CMA2000BK-P1194109M
- RC20SE/P7688119M
- MXP5221
- MMO2661W-P1119112M
- DM2000C/P1194106M
- MXP5223T-P2004219M
- SNAC700-P4020005501
- EUT1B1/P4020007801

- ACM1120AB
- UC1000VP/P1304421M
- EF73A1/P4020007701
- EH13A1/P4020008101
- RC22LW-P1198610M
- HDC511-P1325201M
- MVH220W-P1195205M
- FS8LW-P1185605M
- DE3100ID/P4020008501
- RC22LW-P1198616M
- CSNAC700-P1185401M
- J1206I/P1179306M
- MXP22WY-P2001629M
- MXP22WY-P2001624M
- DQ22HS-P1198607M
- FS11-P1302104M
- RC20SE-P1104103M
- MDC182-P2003104M
- MC23MPT-P1329114M
- VEND10-P4020004101
- FS17EVP-P1185902M
- SEFS65D/P0SEFS65D
- KFC2SA2-P1331411M
- RC14TE/P7688118M
- MRC520S2-P1332820M
- FS10EVP-P4020003901
- MM2230CS-P1194121M
- RC17SED-P1329119M
- FS8EVP-P1185602M
- RC17SED-P1326313M
- DE2100I/P4020004801
- J1605I/P1179307M
- MVH330W
- FS20EVP-P1185903M
- UC11E2-P1331214M
- URC517MP/P1198801M
- MXP22DMT-P2004207M
- CMA2000B3-P1194117M
- UC11E-P1325204M
- FS17-P1302105M
- AXP22T-P2004223M
- DEFS900I/P1189701M
- MC22MP-P1107904M

- GCSAND7DRRP1186704M
- ACM0860AB
- FSP11LW-P1185805M
- DE1600D/P1189104M
- CMA2230B3-P1194119M
- MVH200E1-P1119102M
- GCSAND7DRR-P1186707M
- E2100I/P4020004401
- MVH230E-P1307903M
- FS16EVP-P1185901M
- WDYRC2-P1326305M
- HDC12-P1330502M
- ASE9000-P1326309M
- DEFS-7EVP/P4020005301
- RC14SE-P1104106M
- HDC511A-P1325213M
- MXP5201JT-P2004238M
- EFS65D/P4020006601
- MXP22TRT-P2004233M
- RC22-P1198614M
- UFS7EVP/P4020005201
- UFS900I/P1189601M
- ACE530-P1325902M
- AXP22TL
- RC5PHBU2-P1331421M
- UC11E2-P1333112M
- U1600I/P1194306M
- MDC182SA-P2003829M
- MVH100E1-P1119107M
- UFS900I/P1189601M
- URC517MP/P1191102M
- MXP20-P1333614M
- RC16SE-P1104109M
- CMA2230-P1194113M
- MC52200/P1199501M
- RC22-P1107909M
- M86PMA/P7814405M
- ASE9000-P1329109M
- CMA2000-P1194101M
- KFC1-P1198622M
- VEND11-P1302101M
- U1200I/P1194301M
- KFC2SA-P1330114M

- MWT4441D-P1119113M
- UCA2000NT-P1325905
- MC5212MP/P1165401M
- RC27S-P1329106M
- ACM1120AW-PACM1120AW0
- E2900ST/P1189401M
- M84TMA/P7814404M
- RC21DQ-P1104111M
- MC22MP-P1198701M
- CE76T-P1178806M
- VEND11-P1185801M
- DE2100ID/P4020008401
- MDC182-P1333128M
- UCA2000/P1194111M
- RC5MDTM-P1327615M
- WDYRC25J2-P1331408
- CMM2230CS-P1194123M
- MXP5201JT-P2004217M
- MDC182K-P2003832M
- MC22MPT-P1198704M
- MC23MPT-P1326402M
- UM2000C/P1194112M
- FSP11-P1185802M
- SNAC700.D-SNAC700.D
- ACM1120AW
- E2800ST/P0E2800ST
- RC27-P1198618M
- MVH320W-P1192507M
- DE1200I/P1300501M
- WDYRC25J-P1330119M
- MVH320L-P1195208M
- CMM2000CS-P1194122M
- MC23MP-P1329113M
- MVH210W1-P1173502M
- U2900ST/P1189402M
- DE1600D/P1300504M
- MXP22TRT-P2004212M
- MVH210E1-P1173501M
- RC30S-P1329107M
- DQ22HS-P1107908M
- J1606I/P1179302M
- HDC122
- RV10AT/P7690106M

- EST3A1/P0580004102
- DEFS9001/P1300801M
- GCSAND7D-P4020005802
- RC16SE-P1104112M
- RFS10-P7787203M
- CRC10T-P1304417M
- FS7EVP-P4020005101
- MDC182SE-P2003833M
- MXP22BT-P2004237M
- URC517MP/P1199602M
- MXP5223T-P2004240M
- EFS850D/P1189501M
- RFS511MP/P1119206M
- MVH230L-P1307905M
- RC30S-P1326307M
- DE3100I/P4020004701
- UFS850D/P1300902M
- MM2230C-P1194114M
- DEC11E-P1325203M
- RC5PHB2-P1331422M
- RC14SE/P7688117M
- RC22MP-P1107902M
- DQ22HS-P1198617M
- MDC182-P2003605M
- RC520T-P1327616M
- SNAC700.C-SNAC700.C
- MVH100E1-P1119104M
- CCMA2000-P1194107M
- U1600D/P4020004502
- MDC182T-P2003121M
- GSAND7D-P4020005801
- UFS900I/P1300802M
- MVH200W1-P1119103M
- MDC182T-P2002239M
- RC20A-P1198603M
- U1600S/P4020008202
- MDC182K-P2003632M
- RFS10SE-P7715406M
- MDC182SA-P2002242M
- MDC182SA-P2003126M
- WDYRC26J-P1330120M
- MVH120E-P1195203M
- RV10AT/P1140501M

- MDC182T-P2003821M
- U2100I/P4020004201
- MVH200W1-P1119109M
- MWT4661W/P1140322N
- DEC1000VP/P1304422M
- DCA2000/P1194105M
- HDC12A2-P1331203M
- RC519MP/P1199603M
- FS20-P1302106M
- UACE530-P1325901M
- RC514SE/P7836201M
- SNAC700-P4020005502
- RC22LW-P1198611M
- CRC10T2-P1304416M
- C65T-P1154501M
- RC27S-P1326312M
- MC2000MPT-P1154602M
- J1606I/P1179308M
- MWT4661W/P1140314N
- FSP10SS-P4020004103
- AXP22TR
- RC17-P1191104M
- MVH100E1-P1119110M
- KFC2SA-P1329616M
- ACM0720AB-PACM0720AB0
- GCSAND8LW-P1186706M
- RC21SE-P1104110M
- RC17-P1198601M
- UHDC511-P1325202M
- AXP22TLT-P2004224M
- SAND700-P4020005701
- MVH330E
- MWT4461WW-P1195202M
- MVH110E1-P1173503M
- MWT4461D-P1195201M
- UFS65D/P4020006501
- GCSAND8LWP1186706M
- GSAND7D/P1186701M
- J1605I/P1179301M
- MXP22DMT-P2004229M

Compatible Samsung Models:

- MC17T8000CS/AA-01
- SMH1622S/XAA-01

- ME16H702SES/AA-01
- MW5572W/XAA
- ME17R7021EG/AA-00
- SMH8165STE/XAA-01
- ME18H704SFW/AA-00
- ME21DB670012AA
- ME17H703SHW/AA-00
- SMH1926W/XAA-00
- MT1044BB/XAA
- SMH1713S/XAA-01
- ME18H704SFS/AA-01
- MW5481G/XAA
- MC17J8000CS/AA-00
- MS7796W/XAA
- ME17H703SHS/AA-01
- ME21K7010DS/AA-00
- ME21H706MQG/AA-00
- ME16H702SEW/AA-00
- NQ70CG700DMTAA
- ME19R7041FB/AA
- SMH8165ST/XAA-01
- MW6580W/XAA
- SMH9207ST/XAA-00
- MW5381G/XAA
- ME21M706BAS/AA-00
- ME21F707MJT/AA-02
- MS19M8000AS/AA-00
- ME21F606MJT/AA-00
- ME21H9900AS/AA-00
- ME16A4021AB/AA-00
- MT1044CB/XAA
- ME21H706MQB/AA-00
- ME21H706MQS/AA-00
- MT1066SB/XAA
- NQ70CB700D12AA
- ME20H705MSS/AA-01
- SMH9151W/XAA-00
- NQ70T5511DG/AA
- SMH1622B/XAA-01
- ME21H706MQB/AA-02
- SMH8165STE/XAA-00
- ME17H703SHW/AA-01
- SMH9151WE/XAA-00

- SMH1622W/XAA-01
- ME21M706BAG/AA-00
- ME21DG6700MTAA
- ME19R7041FS/AA-00
- SMH8165ST/XAA-00
- NQ70M6650DG/AA-00
- ME18H704SFW/AA-01
- SMH1713W/XAA-01
- ME18H704SFS/AA-00
- NQ70M6650DS/AA-00
- ME17H703SHB/AA-00
- MW4371G/XAA
- ME19A7041WS/AA-00
- ME21F606MJT/AA-01
- ME18H704SFB/AA-00
- MT1088SB/XAA
- ME20H705MSW/AA-00
- ME21R7051SS
- ME16H702SEB/AA-01
- NQ70M7770DG/AA-00
- ME16K3000AB/AA-00
- ME21DG6700SRAA
- ME21H706MQW/AA-00
- MW8490W/XAA
- SMH9151S/XAA-00
- ME17R7021EG/AA-01
- ME21K7010DS/A2-00
- ME20H705MSB/AA-00
- ME21H9900AS/AA-01
- SMH8165W/XAA-00
- SMH1713B/XAA-01
- NQ70T5511DS/AA
- ME21F707MJT/AA-00
- MC17F808KDT/AA-01
- ME21R7051SS/AA-00
- ME20H705MSW/AA-01
- MT1044WB/XAA
- SMH1611W/XAA-00
- MG14H3020CM/AA-00
- SMH9151STE/XAA-00
- ME21K6000AS/AA-01
- MC17J8000CS/AA-01
- SMH9187ST/XAA

- MC12J8035CT/AA-00
- ME16K3000AW/AA-00
- SMH9187W/XAA
- SMH9207ST/XAA-01
- MW5480W/XAA
- SMH1926B/XAA-00
- ME19R7041FG/AA
- ME19R7041FG/AA-00
- ME18H704SFB/AA-01
- ME16H702SEB/AA-00
- SMH9151ST/XAA-00
- ME16K3000AS/AA-05
- ME21H706MQS/AA-03
- SMK9175ST/XAA-00
- ME16H702SES/AA-00
- ME21DB630012AA
- ME21K6000AS/AA-00
- ME18H704SFG/AA-00
- ME21DG6500MTAA
- SMH8165B/XAA
- SMH9187B/XAA
- ME21H706MQB/AA-01
- ME21K7010DG/AA-00
- ME20H705MSS/AA-00
- SMH9151B/XAA-00
- SMH1926S/XAA-00
- MC17T8000CS/AA-00
- ME16K3000AS/AA-00
- ME11CB751012AC
- ME21DG6300MTAA
- ME17H703SHS/AA-00
- ME21DG6500SRAA
- ME21F707MJT/AA-01
- ME21DG6300SRAA
- SMH9151BE/XAA-00
- ME21R706BAT/AA
- NQ70M7770DS/AA-00

Compatible Caloric Models:

- MWT4451D01/P1173506M
- MWT4451WW01/P1173507M
- MWT4661WW/P1119115M
- MWT4661WW/P1140314N

Compatible Hardwick Models:

- CG8422MA729RG
- CG8422MW729RG
- CKG8421MA729RG
- CKG8421MW729RG
- CPJ8441KA919D
- CPJ8441KW919D
- EPE861KA929A
- EPE861KB929A
- EPE861KW929A

Compatible Jenn-Air Models:

- JMV8196ACB
- JMV8196ACW
- M426
- M406
- M437B
- JMV8196AAS
- M416
- M417B
- JMC1150WW00
- JMC7000ADB
- M436W
- JMC1150WB00
- JMV8196AAQ
- M418B
- JMV8196ACQ
- JMV8196AAB
- JMC7000ADQ
- M438B
- JMC1150WS00
- M446
- JMC7010ADB
- JMC7000ADW
- M438W
- M436
- M457B
- JMV8196ACS
- M437W
- JMC8130DDR10
- M418W
- JMC7010ADW
- JMV8196AAW

Compatible Modern Maid Models:

- MMO2671D01-P1173504M
- MMO2671WW01-P1173505M

Compatible Kenmore Models:

- 40185042010
- 40185044010
- 40185042310
- 40185044110
- 40188529900
- 40185143210
- 40185049210
- 40185043010
- 40185049010
- 99621
- 40188523900
- 40185143010
- 40185046010
- 40188522900
- 40185043310
- 40185044210
- 40185042210
- 40185046210
- 40185043210

Compatible Magic Chef Models:

- 22FA-6CKLXV8
- VM11EV-8P
- 24FS-6CKXWV8
- 22FK-6KLXV8
- 24FA-6CKXWV8-DY
- 22MA-7KLXV8
- S28FY-7CXWV8
- 22M-7KLXV8
- S28FN-7CXWV8
- 22JK-7KLXV8
- 22FN-6KLXV8
- 22JY-7KLXV8
- 22MN-7KLXV8
- 22FA-6KLXV8
- 22MW-7KLXV8
- U24FK-6CKXWV8
- U24FN-6CKXWV8
- U24FA-6CKXWV8

- S28FA-7CXWV8
- U24FS-6CKXWV8
- 24FK-6CKXWV8-DY
- 22FN-6CKLXV8
- 22FY-6KLXV8
- VM11EB-8P
- 24FK-6CKXWV8
- U24FY-6CKXWV8
- 24FN-6CKXWV8-DY
- S28FS-7CXWV8
- 24FY-6CKXWV8
- 24FY-6CKXWV8-DY
- 24FA-6CKXWV8
- 24FS-6CKXWV8-DY
- 22JA-7KLXV8
- 22JN-7KLXV8
- S28FK-7CXWV8
- 24FN-6CKXWV8

Compatible Maytag Models:

- MMV5186ACB
- MMC5086AAW
- UMV1152CAB16
- CME9010AAB
- CME901
- MMV5186AAW
- MMV4184AAW
- MMV1153BAS15
- CME9010BAB
- CME9010CAE
- UMV1152CAQ16
- MMV5186AAQ
- CME9010CAM
- MMC5000BDB
- MMV1153BAW16
- MMV5186ACQ
- CME9010DAB
- UMV1152CAS16
- MMC5000BDW
- MMV5186ACW
- MMC5000BDQ
- MMC5086AAQ
- MMV5186ACS

- CME9010DAE
- MMV5186AAB
- UMV1152CAW17
- CME900
- CME9010BAE
- MMV4184AAQ
- MMV4184AAB
- MMV5186AAS
- MMV1153BAB15
- MMC5086AAS
- MMC5086AAB
- CME9010CAB

10. WARRANTY AND SUPPORT

Information regarding specific warranty terms for this Generic Replacement Microwave Diode is not provided in the product details. For warranty inquiries or technical support, please refer to the seller or manufacturer directly.

Always ensure you purchase replacement parts from reputable sources to guarantee quality and compatibility.