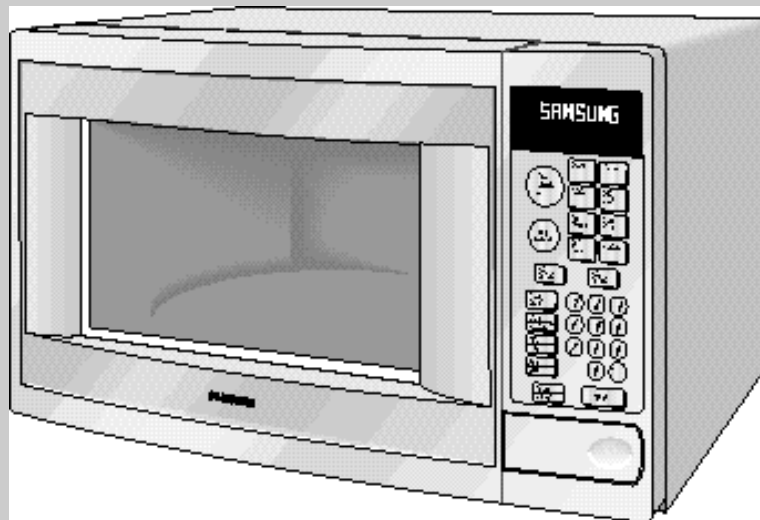




MG7980W

MICROWAVE OVEN



**Owner's
Instructions**

PRECAUTIONS TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY:



- (a) Do not attempt to operate this oven with the door open since open-door operation can result in harmful exposure to microwave energy. It is important not to defeat or tamper with the safety interlocks.
- (b) Do not place any object between the oven front face and the door or allow soil or cleaner residue to accumulate on sealing surfaces.
- (c) Do not operate the oven if it is damaged. It is particularly important that the oven door close properly and that there is no damage to the:
 - (1) Door (bent)
 - (2) Hinges and latches (broken or loosened)
 - (3) Door seals and sealing surfaces
- (d) The oven should not be adjusted or repaired by anyone except properly qualified service personnel.



WARNING

Always observe Safety Precautions when using your oven. See "Important Safety Instructions" on the next page.

Never try to repair the oven on your own – dangerous voltage is inside. If the oven needs to be repaired, call 1-800-SAMSUNG for the name of an authorized service center near you.



Please record the serial number from the back of your Samsung microwave oven and the date of purchase in the space provided below.

We recommend that you keep your purchase receipt with this manual for easy warranty service.

Model Number	_____
Serial Number	_____
Date Purchased	_____
Dealer	_____

Thank You for Choosing Samsung

Thank you for choosing Samsung! Your new oven represents the very latest in microwave and convection cooking technology. This oven is a full-featured, easy-to-use appliance built to strict quality standards set by Samsung — the highest in the industry. We're proud to offer you a product that will provide convenient, dependable service for years to come.

IMPORTANT SAFETY INSTRUCTIONS

When Using Any Electrical Appliance

- When using any electrical appliance, basic safety precautions should be followed, including the following:



WARNING: To reduce the risk of burns, electric shock, fire, injury to persons or exposure to excessive microwave energy:

1. Read all safety instructions before using the appliance.
2. Read and follow the specific "PRECAUTIONS TO AVOID EXPOSURE TO EXCESSIVE MICROWAVE ENERGY" inside the front cover of this manual.
3. This appliance must be grounded. Connect only to properly grounded outlets. See "Grounding Instructions" on page *Safety*.3.
4. Install or locate this appliance only in accordance with the installation instructions provided.
5. Some products, such as whole eggs and sealed containers, may explode if heated in this oven.
6. Use this appliance only for its intended use as described in the manual. Do not use corrosive chemicals or vapors in this appliance. This type of oven is specifically designed to heat, cook, or dry food. It is not designed for industrial or laboratory use.
7. As with any appliance, close supervision is necessary when used by children.
8. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, or if it has been damaged or dropped.
9. This appliance should be serviced only by qualified service personnel. Contact the nearest authorized service facility for examination, repair, or adjustment.
10. Do not cover or block any of the openings on the appliance.
11. Do not store this appliance outdoors. Do not use this product near water – for example, near a kitchen sink, in a wet basement, or near a swimming pool, and the like.

When Using Any Electrical Appliance (cont.)

12. Do not immerse cord or plug in water.
13. Keep cord away from heated surfaces.
14. Do not let cord hang over edge of table or counter.
15. When cleaning door and oven surfaces, use only mild, non-abrasive soaps or detergents applied with a sponge or soft cloth.
16. To reduce the risk of fire in the oven cavity:
 - a. Do not overcook food. Carefully attend appliance if paper, plastic, or other combustible materials are placed inside the oven to facilitate cooking.
 - b. Remove wire twist-ties from plastic cooking bags before placing bags in oven.
 - c. If materials inside the oven ignite, keep the oven door closed, turn the oven off, disconnect the power cord, or shut off the power at the fuse or circuit breaker panel.
 - d. Do not use the oven compartment for storage purposes. Do not leave paper products, cooking utensils, or food in the oven when not in use.
17. Do not cook without the ceramic tray in place on the oven floor as food will not cook properly.
18. Do not defrost frozen beverages in narrow-necked bottles. The container may break.
19. Dishes and containers can become hot. Handle with care.
20. Carefully remove utensil coverings, directing steam away from hands and face.
21. Remove lids from baby food before heating. After heating, stir well and test temperature.

Combination Microwave/Broil Ovens:

1. Oversized foods or oversized metal utensils should not be inserted in a microwave/broil oven as they may create a fire or risk of electric shock.
2. Do not clean with metal scouring pads. Pieces can burn off the pad and touch electrical parts involving a risk of electric shock.
3. Do not use paper products when appliance is operated in the broil mode.
4. Do not store any materials, other than manufacturer's recommended accessories, in this oven when not in use.
5. Do not cover racks or any other part of the oven with metal foil. This will cause overheating of the oven.

SAVE THESE INSTRUCTIONS

GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electrical current. This appliance is equipped with a cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.



WARNING: Improper use of the grounding can result in a risk of electric shock. Consult a qualified electrician or serviceman if you do not understand the grounding instructions or if you are not sure if the appliance is properly grounded.

Use of Extension Cords

A short power-supply cord is provided to reduce the risks resulting from becoming entangled in or tripping over a longer cord.

Longer cord sets or extension cords are available and may be used if care is exercised in their use.

If a long cord or extension cord is used-

1. The marked electrical rating of the cord set or extension cord should be at least as great as the electrical rating of the appliance.

2. The extension cord must be a grounding-type 3-wire cord and it must be plugged into a 3-slot outlet.

3. The longer cord should be arranged so that it will not drape over the counter top or tabletop where it can be pulled on by children or tripped over unintentionally.

If you use an extension cord, the interior light may flicker and the blower may vary when the microwave oven is on. Cooking times may be longer, too.



WARNING: Do not cut or remove the third (ground) prong from the power cord under any circumstances.

Preferred method of grounding

Plug the three-prong power cord into a properly grounded outlet of standard 115-120 voltage, 60 Hz. Your oven should be the only appliance on this circuit.

Using an adapter

Due to potential safety hazards, we strongly recommend against the use of an adapter plug. However, if you still elect to use an adapter, where local codes may permit, a *TEMPORARY CONNECTION* may be made to a properly grounded 2-prong wall receptacle by the use of a UL-listed adapter, which is available at most hardware stores.

SAVE THESE INSTRUCTIONS

APPENDIX

Care and Cleaning

Follow these instructions to care for and clean your microwave oven.

- Keep the inside of the oven clean. Food particles and spilled liquids can stick to the oven walls and absorb microwaves, causing the oven to work less efficiently.
- To avoid staining, wipe up spills immediately. Clean spills with a damp cloth and mild soap. Do not use harsh detergents or abrasives.
- To help loosen baked on food particles or spilled liquids, heat two cups of water in a four-cup measuring glass at HIGH power for five minutes or until boiling. Let stand in the oven for one or two minutes. To keep the oven smelling fresh, add the juice of one lemon to the water before heating it.
- Remove the glass tray from the oven when cleaning the oven or tray. To prevent the tray from breaking, handle it carefully and do not place it into water just after cooking. Wash the tray carefully in warm sudsy water or in the dishwasher.
- Clean the outside surface of the oven with soap and a damp cloth. Dry with a soft cloth. To prevent damage to the operating parts of the oven, don't let water seep into the openings.
- Wash the door window with very mild soap and water. Be sure to use a soft cloth to avoid scratching.
- If steam accumulates inside or outside the oven door, wipe with a soft cloth. Steam can accumulate when operating the oven in high humidity and in no way indicates microwave leakage.
- Never operate the oven without food in it; this can damage the magnetron tube or glass tray. You may wish to leave a cup of water in the oven when it is not in use to prevent damage if the oven is accidentally turned on.

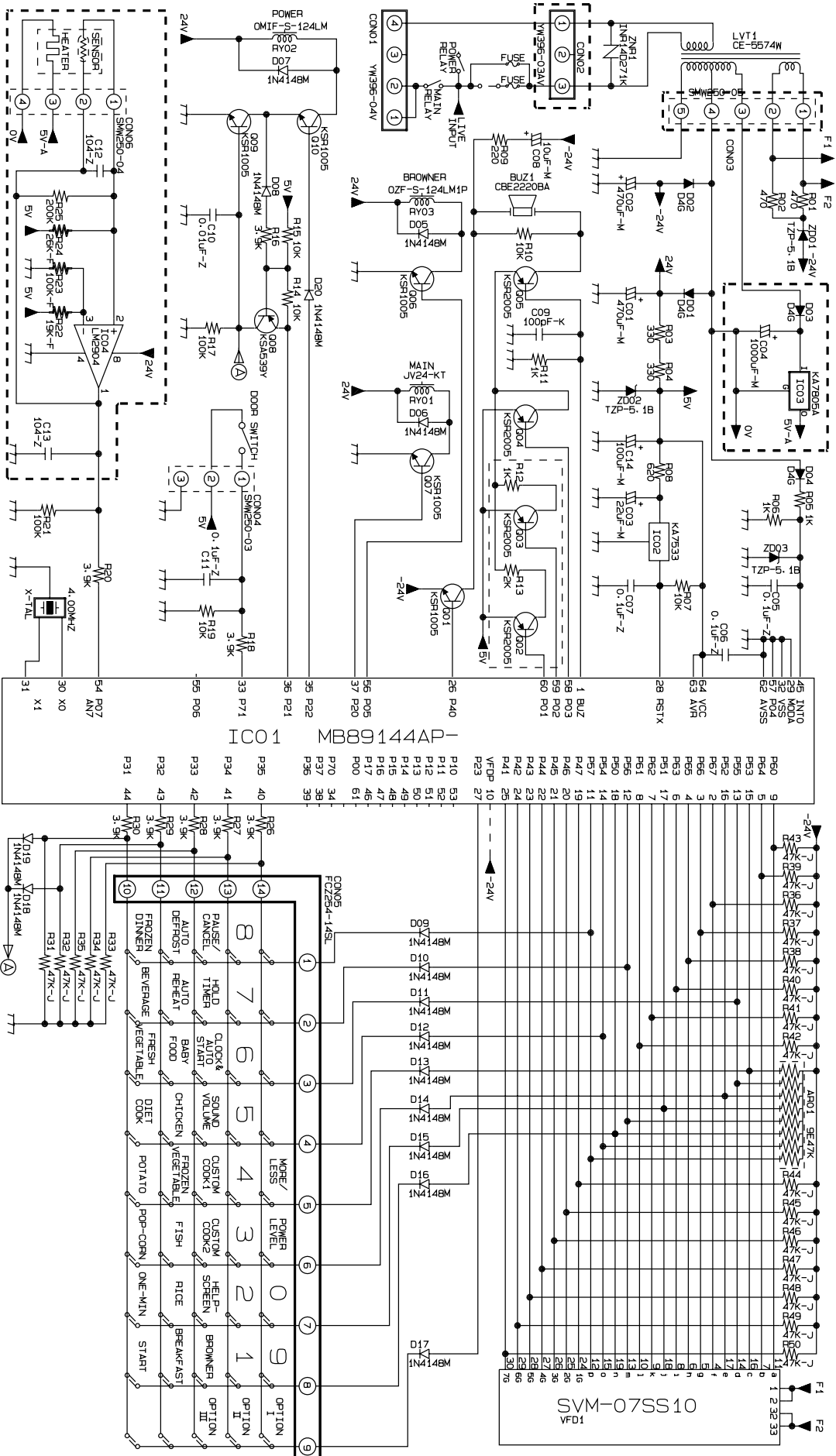
Specifications

Model Number	MG7980W	
Oven Cavity	1.2cu.ft	
Controls	10 power levels, including defrost	
Timer	99 minutes, 99 seconds	
Power Source	120 VAC, 60 Hz	
Power Output	MWO 930 Watts	Heater 1300 Watts
Outside Dimensions	21 ²⁹ / ₃₂ "(W)X12 ¹¹ / ₃₂ "(H)X17 ¹⁵ / ₃₂ "(D)	
Oven Cavity Dimensions	14 ²⁵ / ₃₂ "(W)X9 ⁷ / ₃₂ "(H)X15 ¹³ / ₃₂ "(D)	
Net/Gross Weight	41.9/47.4 lbs	

MG7980WP.C.B Diagrams

NOTIES

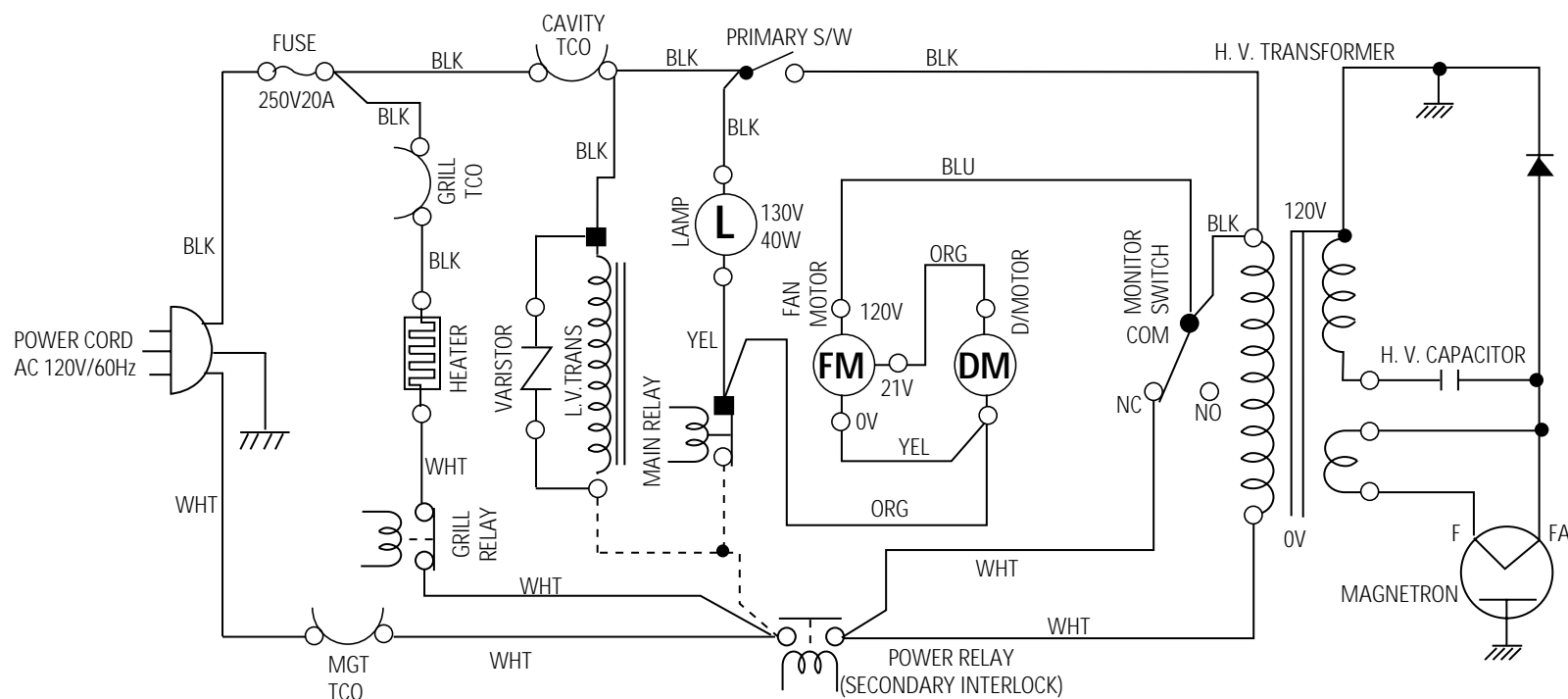
1. GAS SENSOR OPTION
2. SOUND LEVEL OPTION
2. DOOR IS OPENED.



MG7980W Schematic Diagrams

WARNING

POWER MUST BE DISCONNECTED
BEFORE SERVICING THIS APPLIANCE



NOTE: CIRCUIT SHOWN WITH DOOR IS OPENED POSITION.

NOTE: FOR SERVICE REPLACEMENT USE 16 GA 105° C

THERMOPLASTIC COVERED WIRE EXCEPT

FOR HIGH VOLTAGE LEADS OR AS NOTED ON SPECIAL LEADS.


1. INPUT : 120V 60HZ

2. DOOR : OPEN

3. LAMP : ON

4. - - - - : P.C.B PATTERN

5. ■ : P.C.B IN/OUT POINT

SAMSUNG		HOUSEHOLD MICROWAVE OVEN 416 MAETANDONG, SUWON, KOREA		LISTED  725F
MODEL NO.	SERIAL NO.	120Vac	60Hz	
MG7980W		1.4	Kw MICROWAVE	
MANUFACTURED :				
FCC ID :	A3LMG7980	MADE IN KOREA	SEC	

THIS PRODUCT COMPLIES WITH DHHS RULES 21 CFR SUBCHAPTER J.

CAUTION THIS DEVICE IS TO BE SERVICED ONLY BY PROPERLY QUALIFIED SERVICE PERSONNEL. CONSULT THE SERVICE MANUAL FOR PROPER SERVICE PROCEDURES TO ASSURE CONTINUED COMPLIANCE WITH THE FEDERAL PERFORMANCE STANDARD FOR MICROWAVE OVENS AND FOR PRECAUTIONS TO BE TAKEN TO AVOID POSSIBLE EXPOSURE TO EXCESSIVE MICROWAVE ENERGY.

WARNING * TO ENSURE CONTINUED PROTECTION AGAINST ELECTRIC SHOCK HAZARD CONNECT TO PROPERLY GROUNDED OUTLETS ONLY.
 * DISCONNECT APPLIANCE BEFORE SERVICING REMOVAL OF OUTER CASE WITH PORDUCT ENERGIZED MAY EXPOSE SERVICEMAN TO HAZARDOUS HIGH VOLTAGE POTENTIALS.

WARNING CERTAIN INTERNAL PARTS ARE INTENTIONALLY NOT GROUNDED AND MAY PRESENT A RISK OF ELECTRICAL SHOCK ONLY DURING SERVICING. SERVICE PERSONNEL- DO NOT CONTACT THE FOLLOWING PARTS WHILE THE APPLIANCE IS ENERGIZED : FAN MOTOR, LOW VOLTAGE TRANSFORMER (TOUCH CONTROL TYPE), TIMER & TIMER MOUNTING BRACKET (MECHANICAL TYPE).