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You can read the recommendations in the user guide, the technical guide or the installation guide for HITACHI MSE23. You'll find the answers to all your questions on the HITACHI MSE23 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual HITACHI MSE23
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Instruction Manual

HITACHI
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Model name
MSE23



IMPORTANT:

Read the safety instructions and precautions carefully before using the microwave oven.
Keep all documents relating to the microwave oven in a safe place.



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Manual abstract:

Keep all documents relating to the microwave oven in a safe place. GB Contents Safety Precautions.....

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The appliance should not be operated without food in the oven, operation in this manner is likely to damage the appliance 3 GB ELECTRICAL CONNECTION For your safety please read the following information Warning: This appliance must be earthed. The appliance must be connected to a 230-240 volts 50 cycle AC supply by means of a three pin socket, suitably earthed and should be protected by a 13 amp fuse in the plug. The appliance is supplied with a standard 13 amp 3 pin mains plug fitted with a 13 amp fuse. @@@@There is a danger of electric shock if the cut off plug is inserted into any 13 Amp socket outlet. How to wire a 13 amp plug.

Important The wires in the mains lead on this appliance are coloured in accordance with the following code: Green and Yellow - Earth Blue Neutral Brown Live As the colours may not correspond with the markings identifying the terminals in your plug proceed as follows. The green and yellow wire must be connected to the terminal in the plug which is marked with the letter E or with the earth symbol or coloured green and yellow. The blue wire must be connected to the terminal marked N or coloured black. The brown wire must be connected to the terminal marked L or coloured red. 4 GB IMPORTANT SAFETY INSTRUCTIONS When using electrical appliances 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.

2. 3. 4. 5. Read all instructions before using the appliance Read and follow the specific 'Safety Precautions' found on page 2 This appliance must be earthed. Connect only to properly earthed outlet Install or locate this appliance in accordance with the provided installation instructions Some products such as whole eggs and sealed containers for example, closed glass jars, narrow necked containers may explode and should not be heated in this oven Use this appliance only for its intended use as described in this manual As with any appliance, close supervision is necessary when used by children 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 This appliance should be serviced by a fully trained technician Contact nearest authorised service facility for examination, repair or adjustment Do not cover or block any openings on the appliance Do not use outdoors Do not immerse cord or plug in water Keep cord away from heated surfaces Do not let cord hang over the edge of a table or counter Use only mild non-abrasive soaps or detergents applied with a sponge or soft cloth when cleaning surfaces of door and oven. See 'CLEANING AND CARE' of your microwave oven on page 7 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) Do not use recycled kitchen paper as it may contain metal particles (c) Remove wire twist-ties from paper or plastic bags before placing bags in the oven (d) If materials inside the oven should ignite, keep oven door closed, turn off oven and disconnect the power cord, or shut off power at the fuse or circuit breaker panel 6. 7. 8.

9. 10. 11. 12. 13. 14. 15. 16. 5 GB DO'S AND DON'TS To use the microwave oven safely, be sure to observe the following rules Do not remove the cabinet The cabinet contains high voltage wiring, and it is dangerous Do not insert anything in to the holes of the safety catches, air outlets, air inlets, the small holes

inside the oven, or the holes at the rear of the appliance The insertion may cause not only the failure of the switches and internal parts but there is also the danger of an electric shock Do not run the microwave oven when the turntable is empty The door, turntable, and other roller ring will be overheated and the life of the magnetron, an important part of the microwave oven, will be shortened Do not cover the air outlets or inlets on the cabinet, nor place anything on the cabinet The microwave oven may be damaged because the internal parts cannot be cooled sufficiently. Also, the item placed on the cabinet may be overheated and become dangerous Do not boil eggs in the microwave oven The eggs will explode because of the build up of pressure within the shell. When cooking poached or baked eggs, pierce egg yolk with a pointed knife If the microwave oven is out of order or damaged, do not try to repair it by yourself. Contact the nearest fully trained, qualified service technician

6 GB COOKING UTENSILS Utensils should be checked to ensure that they are suitable for use in the microwave oven. The following chart summarises the proper use of cooking utensils in your oven. Cooking utensils Microwave Heat resistant glass, glass ceramic Ceramic, china Metal cookware Non resistance glass Microwave plastic Plastic wrap Paper (cup, plates, towels) Straw, wicker and wood Microwave Yes Yes No No Yes Yes Yes No

1. Most glass, glass ceramic, and heat resistant glassware utensils are excellent. Those with metal trim should not be used in a microwave oven. 2. Paper napkins, towels, plates, cups, cartons and cardboard can be used in the microwave oven. 3. 4.

If arcing (sparks) occurs, remove immediately. For Best Results: 1. It is easy to overcook food because microwaves cook very quickly. 2. Defrosting Frozen Food: 1.



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@@(Be certain to remove any metallic ties or wraps). 2. Defrost according to the Defrosting Tips found in this manual. 3. @@@@4.

Some foods should not be completely thawed before cooking. @@5. @@NOTE: Air from the vent may become warm during cooking. @@@@@@@Do not use scouring pads, powder or other abrasive materials Roller Ring Always keep the roller ring clean When it is soiled with food splashes or grease, remove the food splashes or grease using a sponge or cloth soaked with mild detergent and wash it in water If food splashes are left on the roller ring, arcing may occur because the microwaves are concentrated on the food splashes Keep the roller ring in position in the oven except when it is to be cleaned

Turntable When the turntable is soiled with grease or food splashes, remove the dirt with a sponge soaked in mild detergent, wash it in water and dry it Cabinet Wipe the cabinet with a soft cloth When the cabinet is heavily soiled, wipe it with a cloth soaked in mild detergent thoroughly with a clean damp cloth

Do not splash water on the air outlets CAUTIONS Do clock. @@The unit will turn back to the clock state. (6) (See Clock Setting) time arrives. @@@@@@There are five power levels available. Refer to Chart 1. The maximum microwave cooking time is 99 minutes and 99 seconds. Keep on pressing

"MICROWAVE" to choose the power.

Microwave Power Chart Press "Microwave" Microwave Power Display Once Twice Thrice 4 times 5 times 100% 80% 50% 30% 10% 12 13 14 8. Query Function 15 GB QUESTIONS AND ANSWERS Q. What is wrong when the oven light will not glow? A. *Light bulb has blown. * Door not closed. Q. Why is steam coming out of the air exhaust vent and / or why is water dripping from the bottom of the door? A. Steam is normally produced during cooking operations. This microwave oven has been made to vent this steam out of the side and top vents, occasionally this steam condenses on the door and water then drips out at the bottom of the door. This is quite normal and safe.

Q. Does microwave energy pass through the viewing screen in the door? A. No. The metal screen reflects the energy to the oven cavity. the holes, or ports are made to allow light to pass, they do not let microwave energy through. Q. Will the microwave oven be damaged if it operates while empty? A. Yes. Never run it empty. Q.

Why do eggs sometimes pop? A. When baking or poaching eggs, the yolk may pop due to steam build-up inside the yolk membrane. To prevent this, simply pierce the yolk with a toothpick before cooking. Never cook eggs without piercing their shells. Q. Why is standing time recommended after the cooking operation has been completed? A. Standing time is very important. With microwave cooking, the heat is in the food, not in the oven. Many foods build up enough internal heat to allow the cooking process to continue, even after the food is removed from the oven. Standing time for joints of meat, large vegetables and cakes is to allow the inside to cook completely, without overcooking the outside.

Q. Why does my oven not always cook as fast as the microwave cooking guide says? A. Check your cooking guide again, to make sure you've followed directions exactly and to see what might cause variations in cooking times. Cooking guide times and heat settings are suggestions, to help prevent over cooking the most common problem in getting used to a microwave oven. Variations in the size, shape and weights and dimensions could require longer cooking time.

Use your own judgement along with the cooking guide suggestions to check whether the food has been properly cooked just as you would do with a conventional cooker. Q. Why do sparks and crackling (arcing) occur in the oven? A. There may be several reasons why sparks and crackling (arcing) within the cavity happens. * You have left a fork or other metal utensils in the oven.

* You are using dishes with metal parts or trim (silver or gold). * You are using a large amount of metal foil. * You are using a metal twist tie. 16 GB CONTAINERS Container Type Heat resisting glassware Explanation Glass containers with high heat-resisting properties such as Pyrex and Corning are the most suitable for the microwave oven Microwave YES Normal glassware Glass containers that may be broken easily by the sudden increase of temperature should be used carefully Table glassware can be used for drinks, fruits, and sweets Lead crystal is unsuitable NOTE: Do not use plates or receptacles made of coloured glass or ones having metallic decorations, since these can be damaged YES Heat resisting ceramic ware Ceramic ware and glazed earthenware are suitable YES Normal ceramic ware Containers having cracks, scratches or metal brims cannot be used YES Polypropylene containers Polypropylene containers can be used if the temperature of the food does not exceed 100C YES Other containers Melamine, styrol, and urea resin containers absorb the micro waves and easily become hot or are weak against heat NO Metal ware, iron skewers, wire nets etc Since the micro waves cannot pass through these items, they cannot be used for microwave cooking Metal skewers and aluminium foil may be used partially for some types of cooking, but they must not touch the walls of the oven NO Plastic films Plastic films that can resist temperature of 120C or higher can be used if the temperature of the food is not estimated to exceed 100C Note, however, that plastic film is not suitable for wrapping meat or foods with a high or fat or sugar content as it may melt when heated YES Bamboo ware, wooden ware etc These containers may burn if they are heated for a long time (They can be used for microwave cooking for a short time) YES How to test that a dish can be used in the microwave First, put the dish on the turntable without food, and place a glass containing approximately 100 cc of water on the dish. Then select HIGH POWER and heat the water for 15 to 30 seconds. @@@@A couple of quick checks may save you an unnecessary service call. Problem The oven doesn't work at all. @@The door is firmly closed. The cooking time is set on the timer selector control. The fuse in the mains plug has not blown.

The mains circuit breaker in the home has not tripped. Problem "Arcing" or sparking in the oven interior. @@Metal skewers should be covered with food and make sure they don't touch the sides of the oven interior when rotating. If "arcing" occurs again, remove skewers until food is cooked. Remove any other metal cookware. TECHNICAL SPECIFICATION Input Power: Output Power: Microwave Frequency: Outside Dimensions: Oven Cavity Dimensions: Oven Capacity: Net Weight: 230-240V~ 50Hz, 1250W 800W 2450MHz 288mm(H)x486mm(W)x410mm(D) 221mm(H)x314mm(W)x347mm(D) 23Liters Approx.13.9kg Waste electrical and electronic products must not be disposed of with household waste. Please refer to the retailer from whom you purchased this item for disposal instructions.



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