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## 4. Disassembly and Reassembly

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**MAGNETRON, MOTOR ASSEMBLY, VENT BLOWER AND HIGH VOLTAGE TRANSFORMER**  
Oven must be removed from wall.

### REMOVING OVEN FROM WALL ( 2 PEOPLE REQUIRED)

Oven is hooked on metal tabs at bottom of wall mounting plate and to cabinet by (3) top cabinet bolts.

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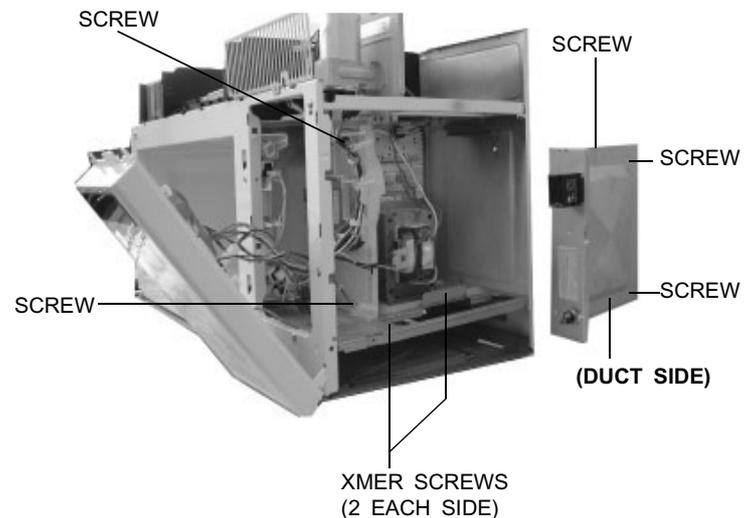
### 4-1 Replacement of High Voltage Transformer and Fan Motor Assembly.

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Disconnect power.

Remove Grille & Control Box Assembly.

1. Discharge the high voltage capacitor.
2. Disconnect all the leads.
3. Remove (2) screws from the fan motor assembly.
4. Remove (3) screws from the duct-side.
5. Remove the duct-side.
6. Take out the fan motor.
7. Remove (4) Screws from the H.V.Trans.
8. Take out the H.V.Trans.



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### 4-2 Replacement of Magnetron

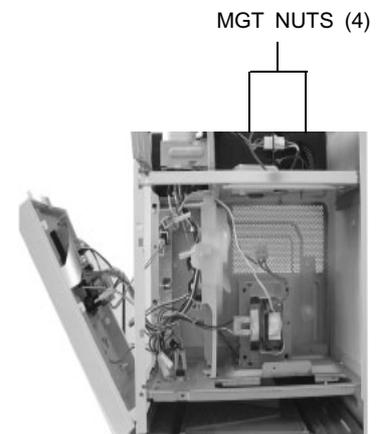
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Remove the magnetron including the shield case, permanent magnet, choke coils and capacitors (all of which are contained in one assembly).

1. Disconnect all lead wires from the magnetron.
2. Remove nuts (4) securing the magnetron to the wave guide.
3. Take out the magnetron very carefully.

NOTE1: When removing the magnetron, make sure that its antenna does not hit any adjacent parts, or it may be damaged.

NOTE2: When replacing the magnetron, be sure to remount the magnetron gasket in the correct position and make sure the gasket is in good condition.



### **CAUTION !**

During replacement, be certain R.F. anode gasket is in place around anode stub.

**PERFORM MICROWAVE LEAKAGE TEST**

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## 4-3 Replacement of Door Assembly

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### 4-3-1 Removal of Door "C"

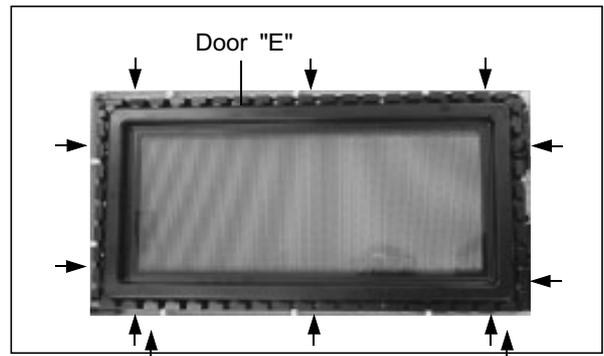
Open the door and remove the door by pulling up from hinge holes.



### 4-3-2 Removal of Door "E"

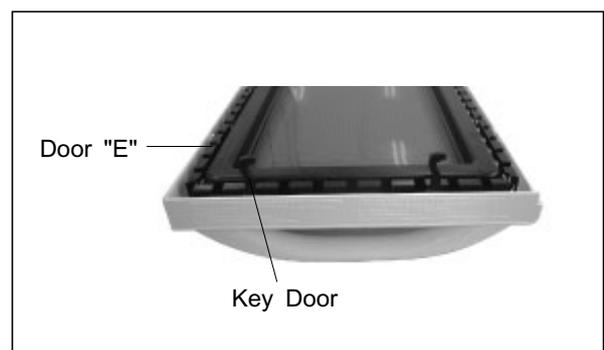
Following the procedure as shown in the figure, insert and bend a thin metal plate between Door "E" and Door "A" until you hear the 'tick' sound.

- Insertion depth of the thin metal plate should be 0.5mm or less.



### 4-3-3 Removal of Key Door & Spring

Remove pin hinge from Door "E".  
Detach spring from Door "E" and key door.



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## 4-3-4 Reassembly Test

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**After replacement of the defective component parts of the door, reassemble it and follow the instructions below for proper installation and adjustment so as to prevent an excessive microwave leakage.**

1. When mounting the door to the oven, be sure to adjust the door parallel to the bottom line of the oven face plate by moving the upper hinge and lower hinge in the direction necessary for proper alignment.
2. Adjust so that the door has no play between the inner door surface and oven front surface. If the door assembly is not mounted properly, microwave energy may leak from the space between the door and oven.
3. Do the microwave leakage test.

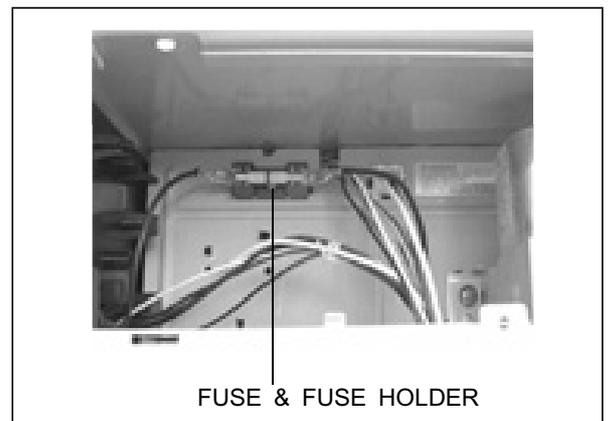
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## 4-4 Replacement of Fuse

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The fuse is located behind the control panel mounted to the installation bracket.

1. Disconnect power and remove grille.
2. Remove a screw that secure the installation bracket.
3. When 20A fuse blows out by the operation of interlock monitor switch failure, replace the primary interlock switch, secondary interlock switch, door sensing switch, interlock monitor switch and power relay.
4. When the above four switches operate properly, check if any other part such as the control circuit board, blower motor or high voltage transformer is defective.

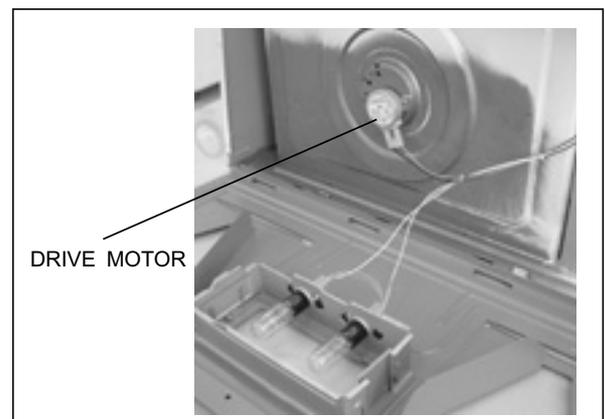


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## 4-5 Replacement of Drive Motor

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1. Disconnect power and remove bottom plate screws(7).
2. Remove bottom plate and disconnect the turntable motor drive.
3. Remove turntable motor screws(2) and pull the turntable motor out.
4. When replacing the drive motor, be sure to remount it in the correct position with the coupler.
5. Connect all the leads to the drive motor.
6. Screw the drive motor cover to the base plate with a screwdriver.

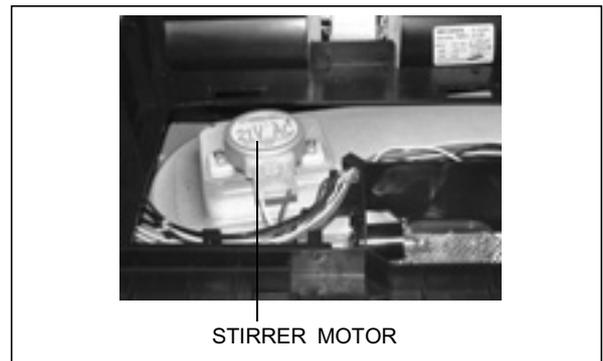


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## 4-6 Replacement of stirrer motor

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1. Disconnect power and remove grille screws(2).
2. Remove grille and the bracket duct upper screw(1).
3. Remove the bracket duct upper and disconnect the stirrer motor wire.
4. Remove stirrer motor screws(2) and pull the stirrer motor.



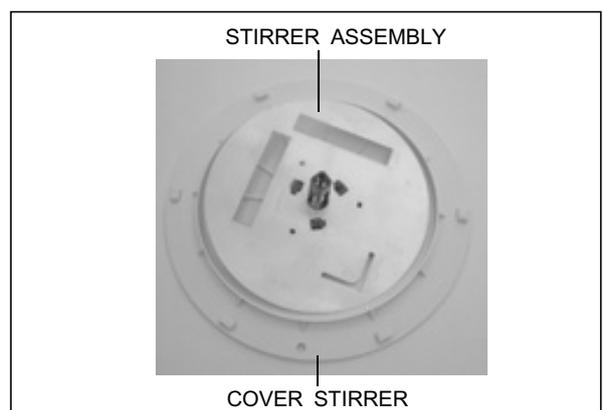
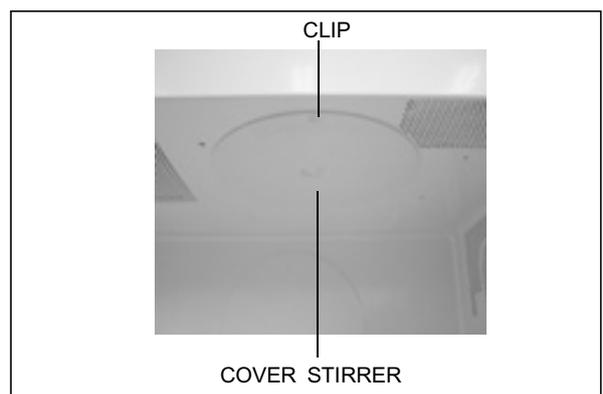
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## 4-7 Removal of stirrer

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The stirrer is motor driver and located on the upper side of the cavity. The oven uses a top feed wave guide. The stirrer is located in the wave guide and the motor is located on the wave guide.

1. Disconnect power and open the door.
2. Remove the clip and turn the stirrer cover left.
3. Remove stirrer cover and the stirrer will come with it.



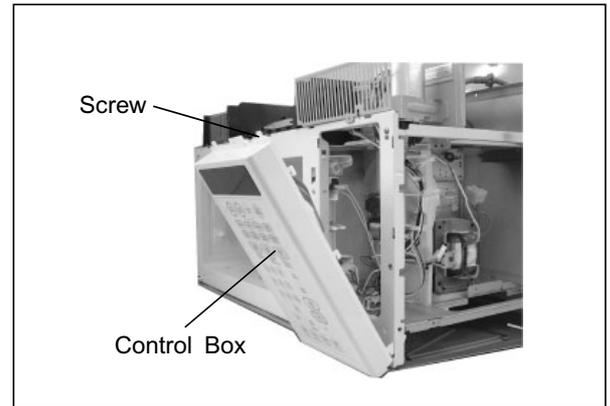
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## 4-8 Replacement of Control Circuit Board

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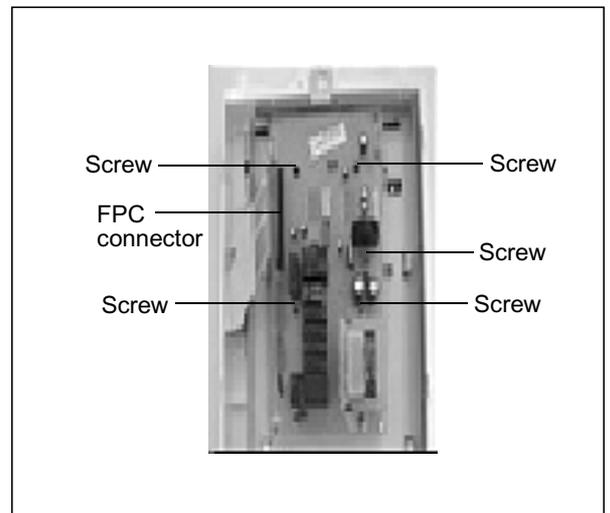
### 4-8-1 Removal of Control Box

1. Disconnect power and remove grille.
2. Be sure to ground any static electric charge in your body and never touch the control circuit.
3. Disconnect the connectors from the control circuit board.
4. Remove a screw securing the control box assembly.



### 4-8-2 Removal of P.C.B Assembly

1. Pull the lever end of the plastic fastener and remove the Flexible Printed Circuit(FPC) of membrane panel.
2. Remove screws (5) securing the control circuit board.
3. Lift up the control circuit board from the Ass'y control box.
4. When reconnecting the FPC connector, make sure that the holes on the connector are properly engaged with the hooks on the Plastic Fastener.



### 4-8-3 Removal of Window Display & Membrane Panel

1. Window display should not be disassembled as its mounting tabs will be broken. If repair work is difficult, replace with Ass'y control panel.
2. The membrane key board is attached to the escutcheon base with double faced adhesive tape. Therefore, applying hot air such as using of hair dryer is recommended for smoother removal.
3. When installing new membrane key board, make sure that the surface of escutcheon base is cleaned sufficiently so that any problems (shorted contacts or uneven surface) can be avoided.

