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MICROWAVE OVEN TECH SHEET

CAUTION

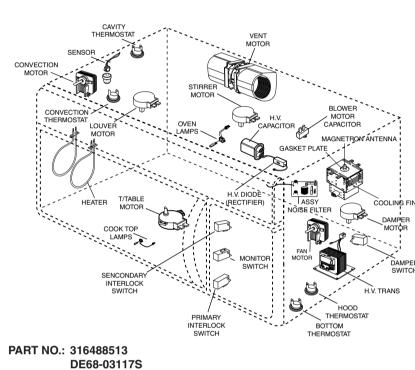
Disconnect from Electrical Supply Before Servicing Unit

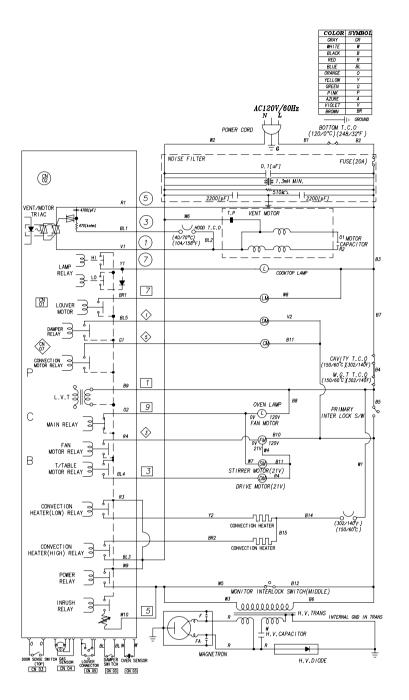
PRECAUTIONS TO BE OBSERVED BEFORE AND DURING SERVICING TO AVOID POSSIBLE

A. Do not operate or allow the oven to be operated with the door open. B. Make the following safety checks on all ovens to be serviced before activating the D. Any defective or mis-adjusted magnetron or other microwave source. and make repairs as necessary: 1. Interlock Operation Proper Door Closing 3. Seal and Sealing Surfaces (Arcing, Wear and Other Damage) 4. Damage to or Loosening of Hinges and E. A microwave leakage check to verify Latches 5. Evidence of Dropping or Abuse. C. Before turning on microwave power for any service test or inspection within the microwave generating compartments.

EXPOSURE TO EXCESSIVE MICROWAVE ENERGY check the magnetron, waveguide or transmission line, and cavity for proper alignment, integrity and connection. components in the interlock, monitor, door seal, and microwave generation and transmission systems shall be repaired, replaced, or adjusted by procedures described in this manual before the oven is released to the owner. compliance with the Federal Performance Standard should be performed on each oven prior to release to the owner. F. Do not attempt to operate the oven if the door glass is broken.

Parts Layout



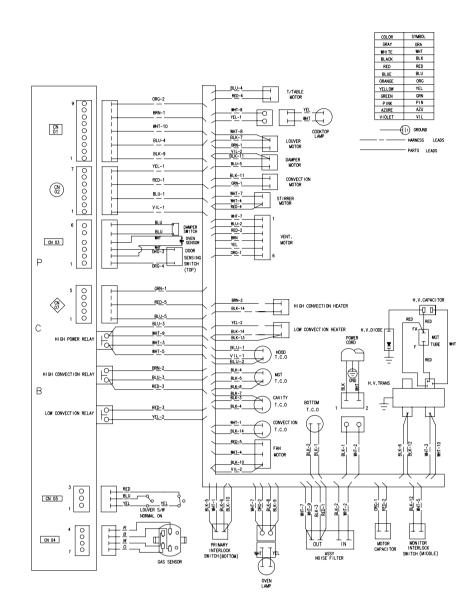


Schematic Diagram

WARNING : Power must be disconnected before servicing this appliance.

MODEL NO. : LEVM30FE





Wiring Diagram

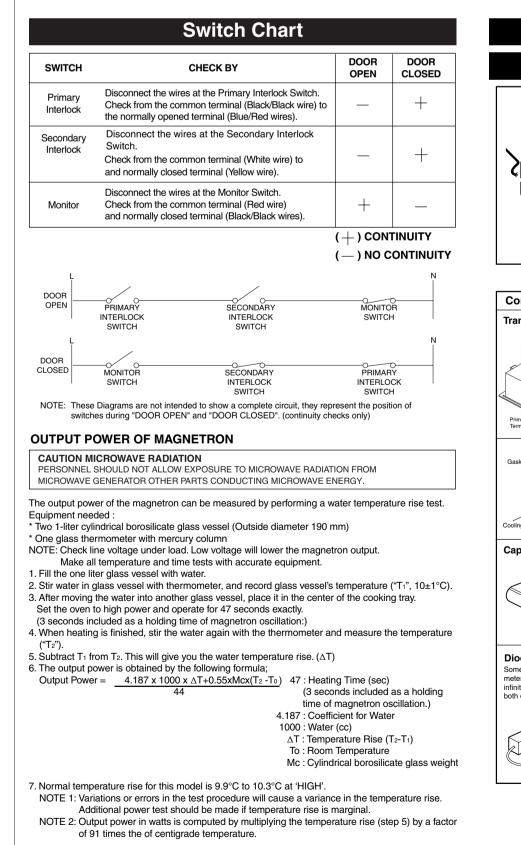
WARNING : Power must be disconnected before servicing this appliance.

NOTE: For Servicing replacement use 16GA, 105°C thermoplastic covered wire except for high voltage leads or as noted on special leads.

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NOTE: Door is open.

Made in Malaysia



Component tests			
	A WARNING		
	Personal Injury/Product Ha	zard	
	 Disconnect the power supply cord from the outlet before removing the outer cabinet from the unit. Discharge the high voltage capacitor and remove the lead wires from the primary winding of the high voltage transformer before conducting any of the following tests. Conduct all operation tests with 1 liter of water in the oven. Conduct a microwave energy test after performing any test or repairs to the microwave. Check that all wire leads are in the correct position before operating the microwave oven. Grasp wire connectors when removing the wire leads from microwave parts. 		
	High voltage components		
omponent	s Test	Results	
	 Remove wire leads. Measure resistance. (ohm meter scale: Rx1) Primary winding Secondary winding Filament winding Measure resistance. (ohm meter scale: Rx1000) Primary winding to ground Filament winding to ground 	Approx. 0.43Ω+2% ohm Approx. 120.5Ω+2% ohm. 0 ohm. Normal: Infinite. Normal: Infinite.	
Magnetron And asket Plate	 I. Remove wire leads. Install the magnetron seal in the correct position. Check that the seal is in good condition. 2. Measure resistance. (ohm meter scale: Rx1) ■Filament terminal 3. Measure resistance. (ohm meter scale: Rx1000) ■Filament to chassis 	Normal: Less than 1 ohm. Normal: Infinite.	
apacitor	 Remove wire leads. Measure resistance. (ohm meter scale: Rx1000) ■Terminal to terminal 	Normal: Momentarily indicates several ohm, and then gradually returns to infinite	
<u> </u>	■Terminal to case	Normal: Infinite.	
ode me inexpensive ters may indicate inite resistance in h directions.	 1. Measure continuity. Forward. (ohm meter scale: Rx1000) 1. Measure continuity. Reverse. (ohm meter scale: Rx1000) 	Normal:Continuity. Abnormal: Infinite. Normal: Infinite. Abnormal: Continuity.	

Other component tests

Components	Test	Results
Power Relay	 Measure continuity. (ohm meter scale: Rx1) Remove the lead wires and operate oven at power level 1 through power level 10. 	Power Level 0 1 4 Sec 26 Sec 2 7 Sec 23 Sec 3 10 Sec 10 Sec 10 Sec 10 Sec 14 Sec 14 Sec 6 19 Sec 14 Sec 6 19 Sec 8 25 Sec 8 25 Sec 3 25 2 2 2 2 2 2 2 2 2 <th2< th=""></th2<>
Ventilation Motor	 Remove wire leads. Measure resistance. (ohm meter scale: Rx1) level : White and Blue wire 	Normal: 5 level : Approximately 46 ohms
Synchronous Motor	 Remove wire leads. Measure resistance. (ohm meter scale: Rx1000) 	Normal: Approximately Stirrer T/T Louver Damper 120Ω 120Ω 3,510Ω 3.8kΩ ±10% ±5% ±10% ±10% Abnormal: Infinite or several.
Fan Motor	 Remove wire leads. Measure resistance. (ohm meter scale: Rx1) 	Normal: Approximately Fan $32\Omega \pm 7\%$ ohm Abnormal: Infinite or several.
Convection Motor	 Remove wire leads. Measure resistance. (ohm meter scale: Rx1) 	Normal: Approximately Convection $16\Omega \pm 7\%$ ohm Abnormal: Infinite or several.
Sensor	 Remove the 4 pin connector from PCB. Measure resistance across pins 3 & 4. 	Normal: Approximately 3 & 4 $30\Omega \pm 3\Omega$ at 25°C Abnormal: Infinite or several.

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