



NISSHIN INDUSTRY CO., LTD.

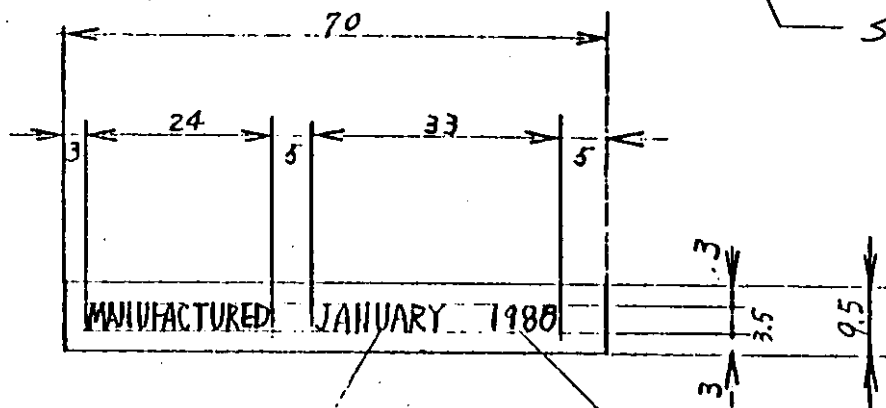
HEAD OFFICE : 3-2-11 SHIBUKAWA CHO HIGASHI OSAKA CITY JAPAN
TEL : (06) 720-1781 FAX : (06) 721-5985

NOTES:

- 1) BLACK INK ON CLEAR FILM.
- 2) UL ADHESIVE
- 3) 100 LABELS / SHEET

MANUFACTURED: MAY 1991

SAMPLE



製造月

JANUARY
FEBRUARY
MARCH
APRIL
MAY
JUNE
JULY
AUGUST
SEPTEMBER
OCTOBER
NOVEMBER
DECEMBER

西暦年号

FULL 4 DIGIT YEAR

NISSHIN IND. CO., LTD. (USA)
645 Dauphine Ct., Suite D
Elk Grove, IL 60007

JHU 016
EXHIBIT "A"
2 OF 4

(NO ABBREVIATIONS ALLOWED)

LOCATED ON REAR OF UNIT

No. 記号	Title 部 品 名		Drawing No. 図 番	Qty 数量	Material 材 質		Treatment 処 理 ・ 加 工	
M10-093 M10-094	UL用 製造ラベル		M10-P0077	1	YN-02P又は 1-1000		表面圧着接着剤付	
Scale 尺 度	Unit 単 位	Projection 投 影 法	Tolerance unless otherwise stated 指定のない公差		Design 設 計	Check 検 査	Appr. 承認	Date of Issue 発 行 日
1/1	mm	三角法, 3rd ang.			KITADA			60 / 23

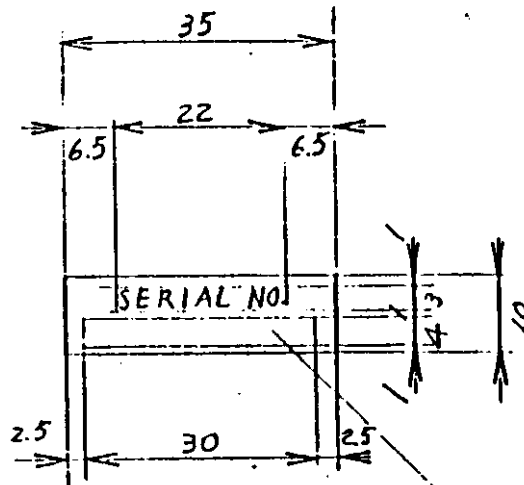
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SERIAL NO.
0010499

SAMPLE

NOTES:

- 1) BLACK INK ON CLEAR FILM. RUNNING NUMBER
- 2) UL ADHESIVE.
- 3) 1000 LABELS/ROLL

最大8491文字

NISSHIN IND. CO., LTD. (USA)
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Elk Grove, IL 60007

W/H 16
EXHIBIT "A"
3 OF 4

LOCATED ON REAR OF UNIT

No. 記号	Title 部 品 名	Drawing No. 図 番	Q'ty 数量	Material 材 質	Treatment 処 理 ・ 加 工
M10-093 M10-094	定検用シリアルラベル	M10-P0076	1	YN-02P又は I-1000	前面数圧接着剤付
Scale 尺 度	Unit 単 位	Projection 投 影 法	Tolerance unless otherwise stated 指定のない公差	Design 設計	Check 検 査
1/1	mm	三角法. 3rd ang.		Witada	
				Appr. 承認	Date of Issue 発 行 日
					60. 1 23

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ENGINEERING TEST REPORT

Page . 1

JUN 29, 1999

Report No. CALR-FCC-O98

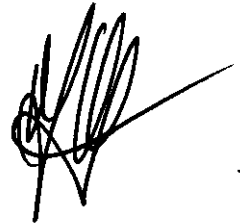
This is to certify that the MICROWAVE OVEN from which the following data has been derived properly complies with the requirements of " FCC Rules and Regulations Part 18 Subpart C " as of the date the measurements were made.

1. Manufacturer of Device : NISSHIN INDUSTRY CO., LTD.

3-2-11 SHIBUKAWA-CHO
HIGASHI OSAKA CITY JAPAN

2. Description of Device

a. FCC ID.	:	
b. Model No.	:	MW8168B
c. Serial No.	:	
d. Operating Frequency	:	2450 MHz
e. Output RF Power	:	1100 W (BY IEC 705)
f. Power Consumption	:	120 V. 60 Hz
g. Magnetron Type	:	Matsushita 2M244 - M149
h. Employed Mode	:	Turn Table
i. Door Seal Type	:	Choke



3. Measurement Procedure Used : FCC/OST MP-5

4. Measurement Site

Name : Panasonic Magnetron Lab.
Panasonic Industrial Company

Address : 1707 N. Randall Road
Elgin, Illinois 60123-7847

Description of this test facility has been filed with the FCC. (Feb. 26, 1987,
File # 31010/EQU 4-3-0A)

FCC ID: JHU016
EXHIBIT "B"

NISSHIN IND. CO., LTD. (USA)
645 Dauphine Ct., Suite D
Elk Grove, IL 60007

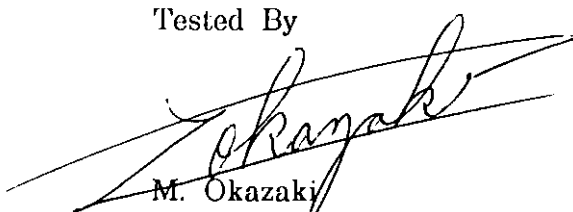
8-2-99

5. Date of Measurement : JUN 29, 1999

6. Measurement Data : See Attached " Data Summary "

7. Test Equipment Used : See Exhibit 1

Tested By



M. Okazaki

Applications Manager of Magnetron
Panasonic Industrial Company

DATA SUMMARY

1. Safety Check : $< 0.5 \text{ mW/cm}^2$ @ 5cm

2. Radiated Field Strength uV/m @ 300m

	Frequency (MHz)	Field Strength (uV/m)	Permissible (uV/m)
Fundamental	2457	630	-----
2nd Harmonic	4909	26.0	33.7
3rd Harmonic	7362	1.95	33.7
4th Harmonic	9837	1.70	33.7
Spurious	2390	0.93	33.7
Emission Side Band	2400	2.95	33.7
Emission Side Band	2500	0.26	33.7

3. Maximum frequency variation : 2457 MHz - 2462 MHz
(96V ~ 150V / 1500cc Load)

2457 MHz - 2464 MHz
(1500cc ~ 300cc / Load)

4. Total power input to oven : 1710 W

5. Power developed in dummy load : 908 W

6. Supply voltage : 120V , 15.5 A

Description of Instrumentation and calculation

(1) Measurement equipment

a. Field Strength Meter : Electro-Metrics Model EMC-50

Bandwidth Setting : 1 MHz

Detector Function : Linear Average Detection

b. Receiving Antenna : Electro-Metrics Model RGA-180

Frequency Range : 1 - 18 GHz

c. Microwave Survey Meter : Narda Model 8110B

(2) Test Condition

a. Antenna Height Variation : 1.0 - 1.5 m

b. Distance of Antenna to Test unit : 3.0 m

c. Test Unit Height : 1.0 m

(3) Calculation Formula

Field Strength at 3 m (dBuV/m)

$$= \text{Receiver Reading (dBuV)} + \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)}$$

Field Strength at 300m (uV/m)

$$= K * 10^{\frac{\text{Field Strength at 3 m (dBuV/m)}}{20}}$$

K : Conversion Factor for 3 m to 300 m

Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Conv. Factor K
2400	29	0.7	0.0061
Fundamental	29.3	0.7	0.0062
2500	29.5	0.7	0.0063
4900	33.4	0.9	0.01
7350	36.5	1.2	0.01
9800	38.2	1.4	0.01

Example : 2nd Harmonics

Receiver Reading = 20 dB @ 3 m

$$\text{FIS} = 0.01 * 10^{\frac{20 + 33.4 + 0.9}{20}} = 5.19 \text{ (uV/m)} \\ \text{@300 m}$$

Exhibit 1 Test Equipment List

Name / Model No.	S / No.	Manufacturer	Last Calibrated
Field Strength Meter Model EMC - 50	175	Electro Metrics	12 / 10 / 98
Microwave Survey Meter 8110B	20915	Narda	03 / 19 / 98
Ridged Guide Antenna RGA - 180	2455	Electro Metrics	08 / 20 / 88
Network Analyzer 8410B	1647A00704	Hewlett Packard	06 / 17 / 88
Reflection Unit 8743A	1330A01358	Hewlett Packard	06 / 17 / 88
Sweep Oscillator 8620C	1645A00827	Hewlett Packard	06 / 17 / 88
Frequency Meter 536A	1441A00695	Hewlett Packard	09 / 17 / 88
Power Meter 436A	1629A1172	Hewlett Packard	08 / 05 / 89
Spectrum Analyzer 8555A	1642A06830	Hewlett Packard	08 / 21 / 88

Fig. 1 Physical Description of Test Site

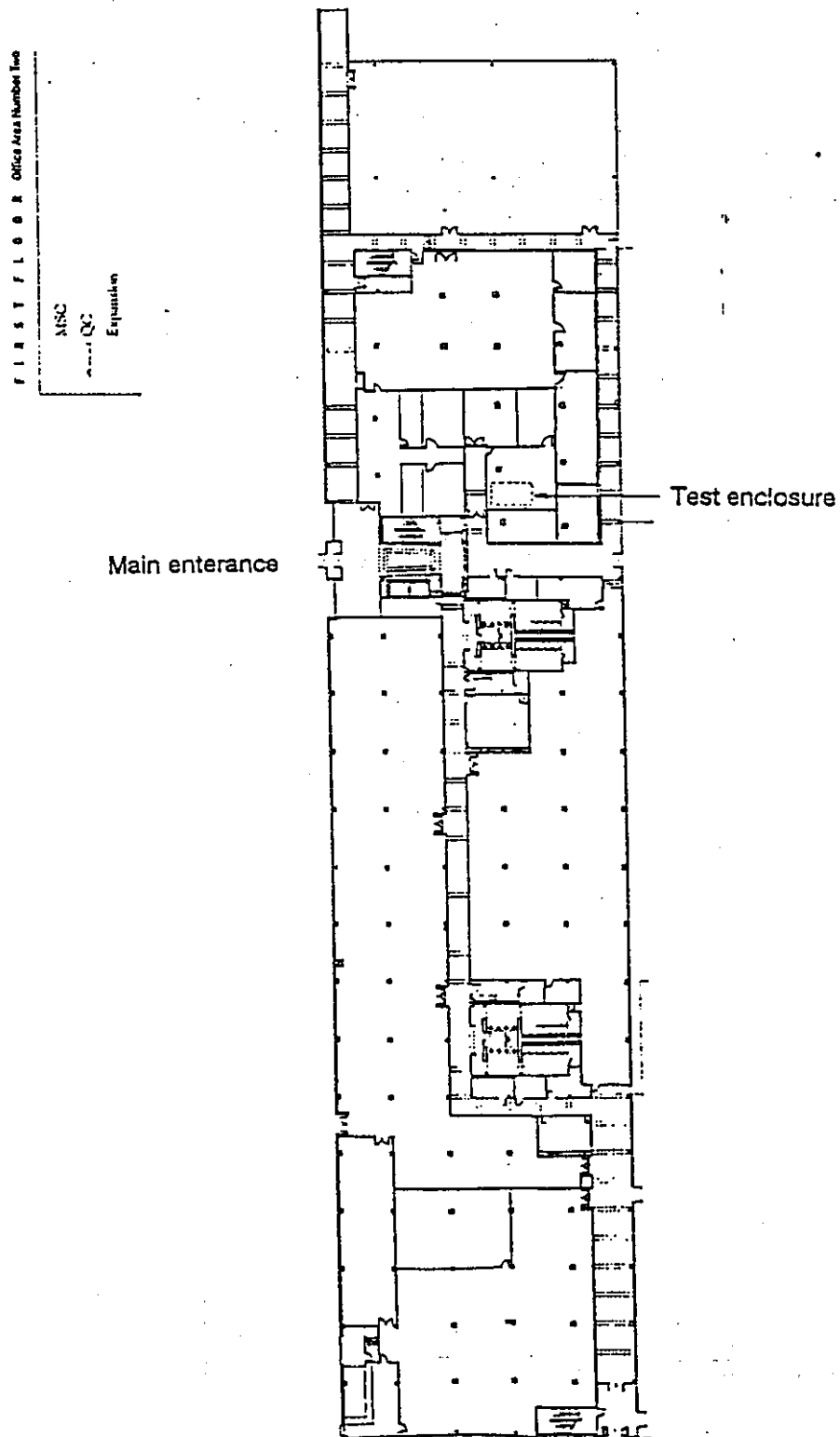
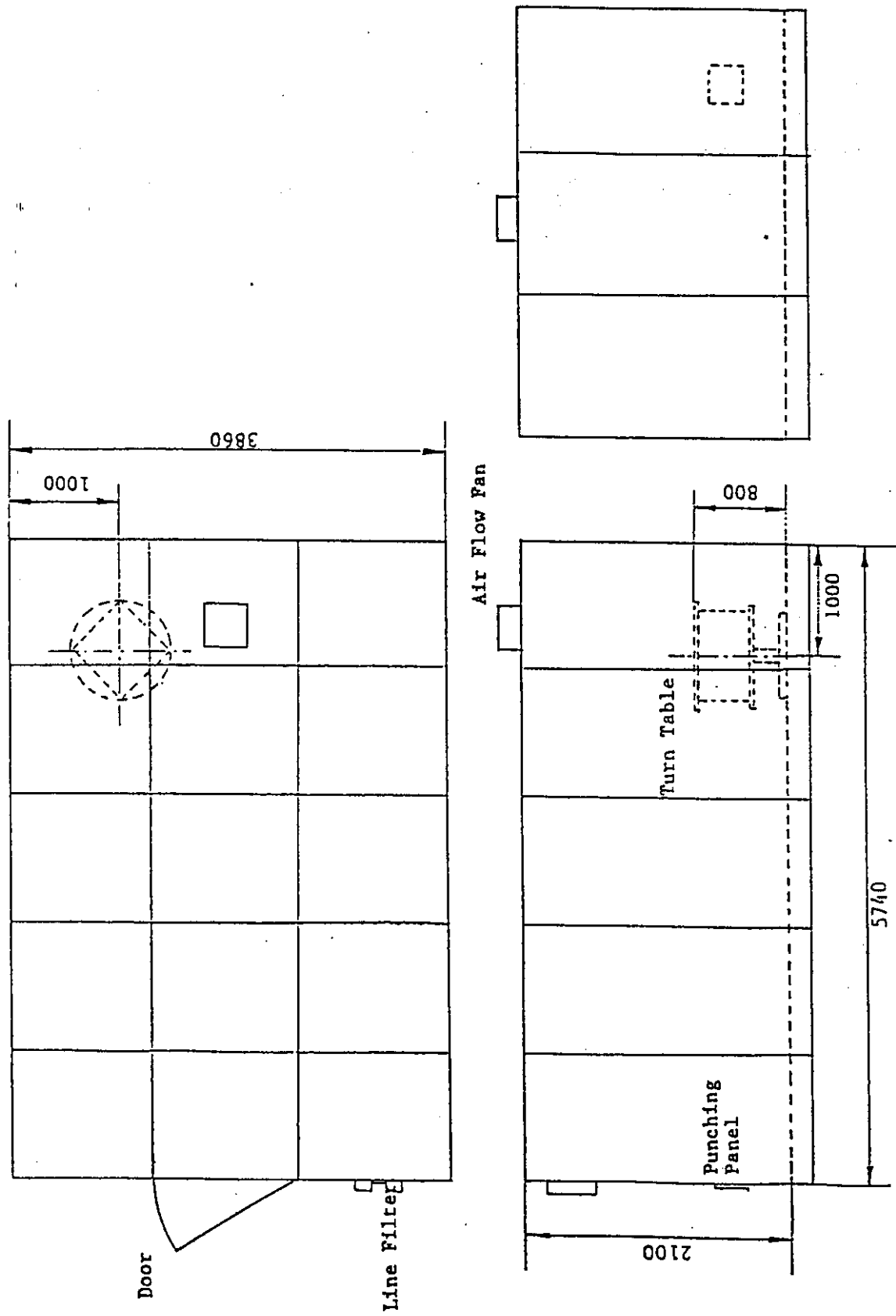


Fig. 2 Physical Dimensions of Test Site (Unit mm)

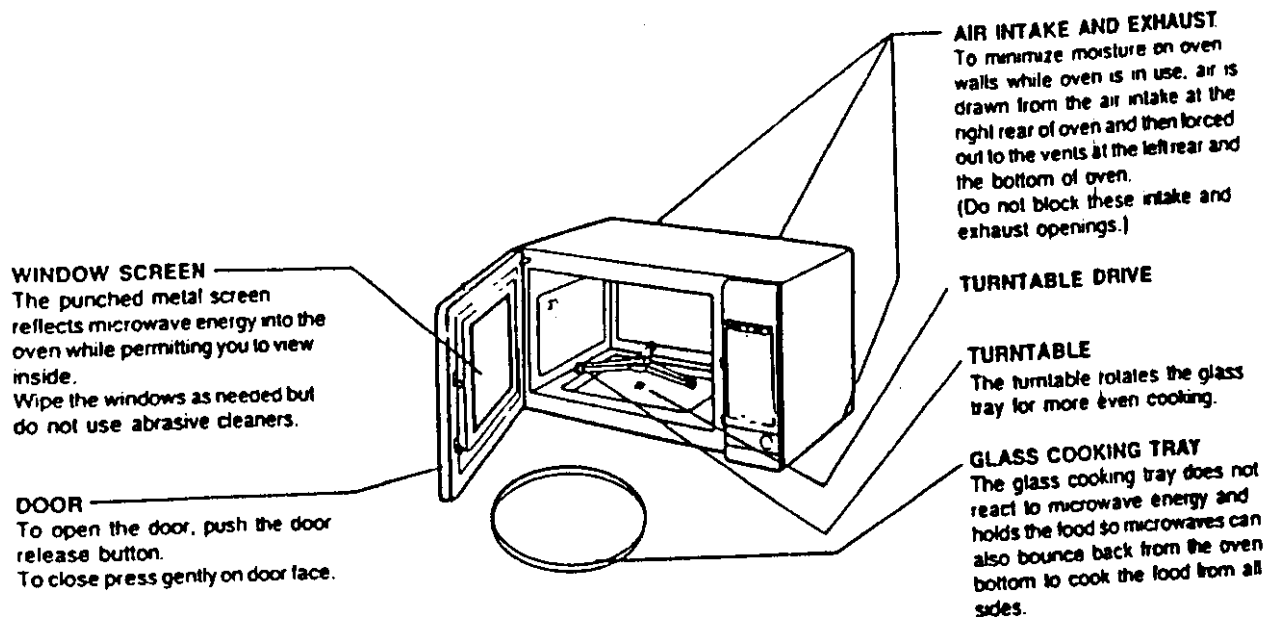




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If this oven is dropped or damaged, do not use it until it is thoroughly checked by a trained service technician. This oven has a short power supply cord. Extension cords may be used if you are careful in their use. If an extension cord is used, it must be a type S, with 3 number 16 wires and have a 3-prong grounded plug. The extension cord should not drape over a countertop where it can be pulled on or tripped over accidentally. The electrical power cord must be kept dry and must not be pinched or crushed in any way. Do not store burnable material, such as food, in a microwave oven. **THIS MICROWAVE OVEN IS DESIGNED FOR HOUSEHOLD USE ONLY AND MUST NOT BE USED FOR COMMERCIAL PURPOSES.**

- This oven may possibly cause reception interference on radio and/or televisions.
- In order to eliminate or minimize interference to radios and televisions from this microwave oven, the oven should be on a separate electrical circuit within the building. In addition, the oven should be physically as far away from the radio or television as possible.
- There are no user maintenance requirements for this appliance, except for normal cleaning as outlined in this owner's manual.

-11-

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JHU 016
EXHIBIT "D"
1 OF 1
8-2-99

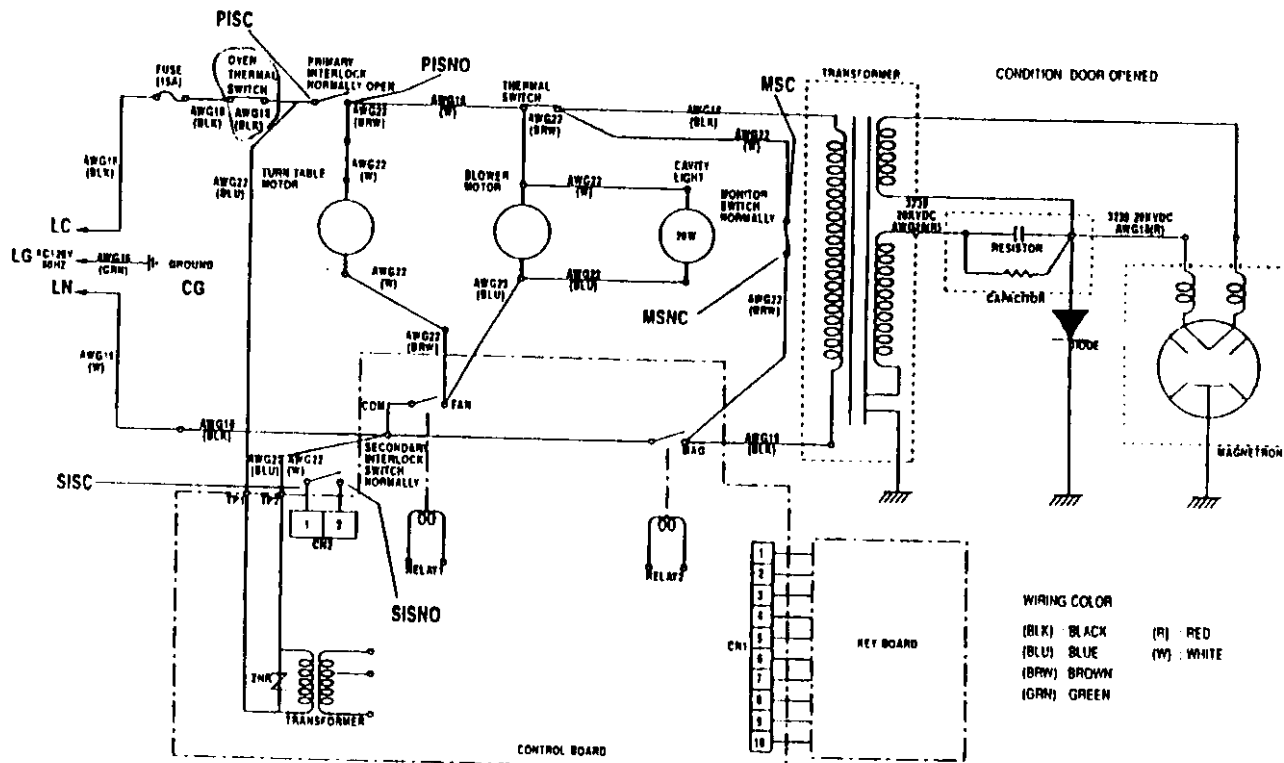


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MO-φ16 WIRING DIAGRAM



LC: Line cord pin hot
LN: Line cord pin neutral
LG: Line cord ground
PISC: Primary interlock switch common
PISNO: Primary interlock switch normally open

CG: Chassis Ground
MSC: Monitor switch common
MSNC: Monitor switch normally closed
SISC: Secondary interlock switch common
SISNO: Secondary interlock switch normally open

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EXHIBIT "C"

FCC ID: JHU φ16
1 OF 1 8-2-99