

SERVICE AND WIRING SHEET

2217233REL



WARNING

ELECTRICAL SHOCK HAZARD

Disconnect electrical power before servicing

Failure to do so can result in death or electrical shock

SERVICEABLE ELECTRICAL PARTS MATRIX

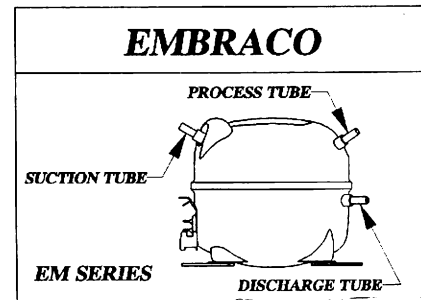
SERVICEABLE PARTS	15" ICEMAKER		WATTAGE		RESISTANCE	
	120v		@120v			
COMPRESSOR	2208370		244		--	
RUN WINDINGS			--		1 - 5	
START WINDINGS			--		3 - 11	
RELAY	2217224					
OVERLOAD	2217223					
CIRCULATING PUMP	2208482		-26 - 30		19.6	
WATER VALVE	2185758		12 NOM.		285	
SOLENOID COIL (HGV)	759112		7 - 9		385	
THERMISTOR-BIN	2185679				10k@25°C	
THERMISTOR-ICE CONTROL	2185680				10k@25°C	
PC BOARD	6100499		23			
TRANSFORMER	2185657		40			
CONDENSER FAN MOTOR	2183437		12 - 15		185	

PERFORMANCE DATA

TEMPERATURE	Suction Pressure at End of Freeze Cycle	Head Pressure at End of Freeze Cycle	Cycle Time in Minutes
Ambient 70° Water 60°	1-4	65-80	18-22
Ambient 90° Water 60°	2-5	85-100	21-27
Ambient 100° Water 60°	2-6	85-105	28-35
Ambient 70° Water 80°	1-4	65-80	20-25
Ambient 90° Water 80°	2-5	85-100	23-30
Ambient 100° Water 80°	2-6	85-105	30-38

SERVICE INFORMATION (2217235-REL)

1. REFRIGERANT CHARGE MUST BE APPLIED TO THE HIGH SIDE ONLY.
2. THIS UNIT OPERATES AT 120V AC EXCEPT FOR CUTTER GRID, ELECTRONIC CONTROLS AND (OPTIONAL) LIGHT WHICH OPERATES AT 8.7 VOLTS.
3. THE TRANSFORMER, CUTTER GRID AND ELECTRONIC CONTROL REMAIN ENERGIZED IN ON & CLEAN MODE.

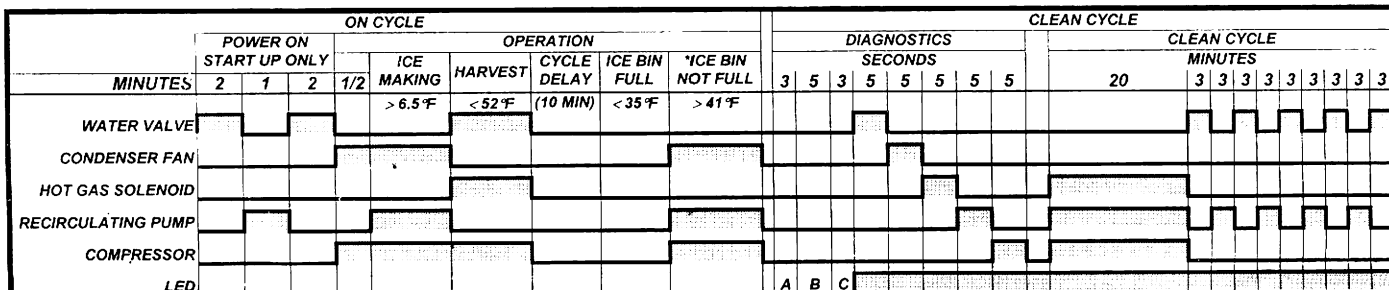


Circuit board jumper
Cube Thickness



		Cut-IN		Cut-OUT	
		TEMPERATURE	RESISTANCE	TEMPERATURE	RESISTANCE
ICE BIN THERMISTOR	BIN	40°F±1°	25.9kΩ±3%	35°F±1°	29.8kΩ±3%
EVAPORATOR THERMISTOR	NORMAL	52.5°F±.3°	18.7kΩ±1%	6.5°F±.3°	69.5kΩ+1%
	THICK	52.5°F±.3°	18.7kΩ±1%	4.5°F±.3°	73.9kΩ±1%
	THIN	52.5°F±.3°	18.7kΩ±1%	8.5°F±.3°	65.3kΩ±1%

IF EVAPORATOR THERMISTOR IS NOT PRESENT OR OPEN THEN ELECTRONIC CONTROL WILL CONTINUE TO MAKE ICE BASED ON TIME INSTEAD OF TEMPERATURE. (25 MINUTES FOR ICE MAKING AND 4 MINUTES FOR HARVEST)



* RETURN TO ICE MAKING.

PRESS CLEAN SWITCH FOR DIAGNOSTIC MODE.

TO EXIT CLEAN/DIAGNOSTIC CYCLE PRESS " OFF " TO RESET CONTROL.

- A. FLASHES HERE 2 TIMES IF THERE IS A BIN THERMISTOR FAULT.
- B. FLASHES HERE 5 TIMES IF THERE IS AN EVAPORATOR THERMISTOR FAULT.
- C. LED WILL PAUSE 3 SECONDS HERE.

IN "HARVEST MODE" THE WATER VALVE WILL SHUT OFF AFTER 1 FULL MINUTE. TOTAL TIME

IN HARVEST MODE WILL VARY. THE MINIMUM HARVEST MODE IS 1 MINUTE / MAXIMUM IS 16 MINUTES.

IN "ICE MAKING MODE" THE FREEZE INTERVAL WILL BE 15 MINUTES MINIMUM TO 25 MINUTES MAXIMUM.

IN "NORMAL ICE MODE" THERE IS A 10 MINUTE CYCLE DELAY.

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NOTE:
 1. SOLENOID VALVE GROUNDED THROUGH MOUNTING
 2. FUSE IS INTERNAL TO MOTOR



WARNING
 Electrical Shock Hazard
 Disconnect power before servicing.
 Replace all panels before operating.
 Failure to do so can result in death or electrical shock.

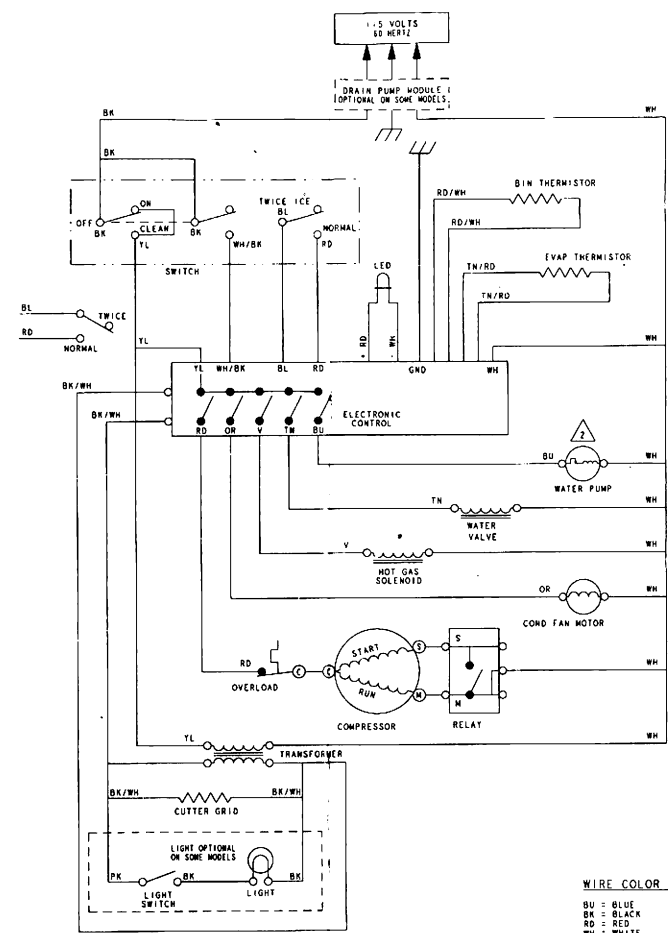
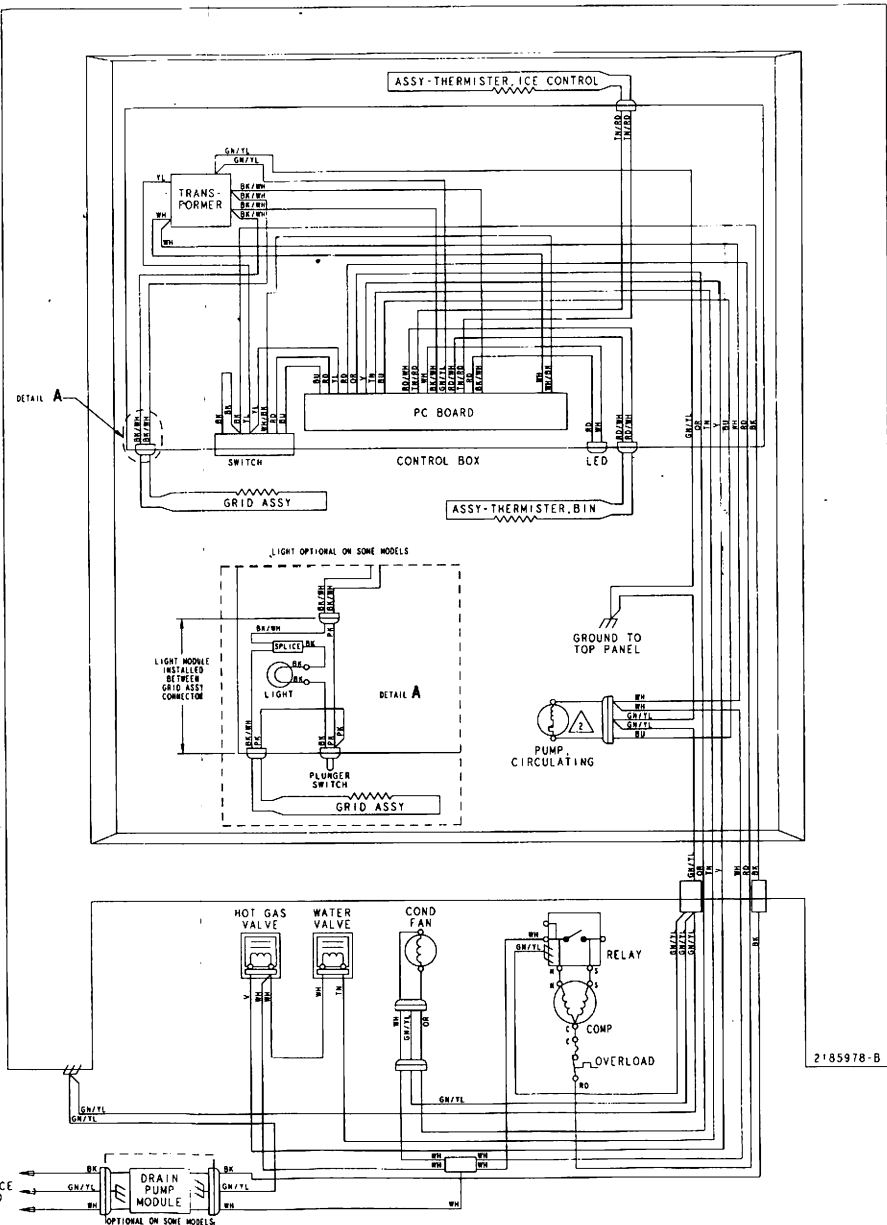
WIRING DIAGRAM

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING UNITED STATES PATENTS:
 3,960,631 4,659,151 4,765,896 4,808,544 5,011,101
 4,084,725 4,845,553 4,767,898 4,811,508 5,033,182
 4,090,641 4,694,553 4,766,353 4,814,928 5,035,273
 4,102,640 4,706,168 4,795,362 4,834,541 5,042,349
 4,327,557 4,707,401 4,787,216 4,924,680 5,044,704
 4,330,310 4,706,556 4,795,362 4,834,541 5,050,771
 4,640,432 4,715,572 4,800,935 4,836,641 5,070,708
 4,649,712 4,728,759 4,801,181 4,844,586 5,071,885
 4,649,717 4,742,656 4,833,894 4,920,890 5,039,461
 4,649,718 4,745,775 4,862,577 4,995,848

OTHER PATENTS PENDING

Printed in U.S.A.

2217233-REL



- WIRE COLOR CODE**
- BU = BLUE
 - BR = BLACK
 - RD = RED
 - YL = YELLOW
 - WH = WHITE
 - OR = ORANGE
 - BR = BROWN
 - CY = GRAY
 - PK = PINK
 - V = VIOLET
 - TN = TAN
 - OR/BR = ORANGE/BLACK TRACER
 - YL/RD = YELLOW/RED TRACER
 - BU/BR = BLUE/BLACK TRACER
 - WH/BU = WHITE/BLUE TRACER
 - BR/YL = BLACK/YELLOW TRACER
 - WH/RD = WHITE/RED TRACER
 - GN/YL = GREEN/YELLOW TRACER
 - BR/WH = BLACK/WHITE TRACER
 - YL/BR = YELLOW/BLACK TRACER
 - RD/WH = RED/WHITE TRACER
- SYMBOL CODE**
- ⊙ : CONNECTOR - SCREW ON
 - ⊗ : CONNECTOR - CLOSED END
 - : DISCONNECT TERMINAL
 - ⋆ : PERMANENT CONNECTION
 - ⊚ : PLUG CONNECTOR
 - ⊥ : GROUND (CHASSIS)

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2185978-B