

SERVICE AND WIRING SHEET 2154972

**WARNING****ELECTRICAL
SHOCK HAZARD****DISCONNECT FROM ELECTRICAL SUPPLY BEFORE
SERVICING UNIT. REINSTALL ALL PANELS BEFORE
OPERATING.**

PERFORMANCE DATA *(NORMAL OPERATING CONDITIONS)

AMB	WATTS	SYSTEM PRESSURE (PSIG)	
		HIGH SIDE	LOW SIDE
70°	240±20	120±20	-5" TO 5#
90°	250±20	160±20	-2" TO 5#
110°	260±20	200±20	0" TO 6#

*Normal operating conditions are viewed when the air and temperature controls are at mid-setting, freezer section 0 to -5F and unit is cycling.

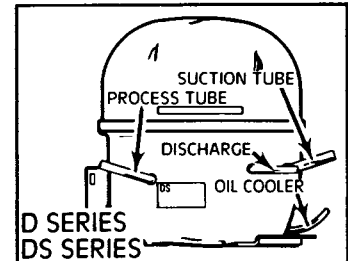
NOTE: Watt and pressure readings will vary and are influenced by the existing condition of the appliance, such as iced-up evaporator, condition of condenser, defrost cycle, pull-down time and customer use.

SERVICE INFORMATION (2154963)

1. COMPRESSOR SUCTION AND PROCESS STUBS MAY **NOT** BE INTERCHANGED.
2. REFRIGERANT CHARGE MUST BE APPLIED TO HIGH SIDE ONLY.
3. ICE MAKER AND WATER VALVE NOT ORIGINAL EQUIPMENT ON ALL MODELS.
4. **CAUTION:** ICE MAKER CYCLE **MUST** BE INITIATED ELECTRICALLY. DO NOT TRY TO MANUALLY START CYCLE.

GENERAL COMPONENT INFORMATION FOR ALL REFRIGERATOR/FREEZER MODELS BE SURE AND USE CORRECT REPLACEMENT PARTS

COMPONENT (IF APPLICABLE)	WATTAGE @ 120V	OHMS RESISTANCE
DEFROST HEATER	650-775	18-22
COMPRESSOR:		
RUN WINDINGS	—	1-4
START WINDINGS	—	4-18
EVAPORATOR FAN	6-10	—
CONDENSER FAN	7-13	—
MULLION HEATER	3-7	2050-4800
MULLION HEATER/POWER SAVER	3-10	1440-4800
STILE HEATER/POWER SAVER	3-10	1440-4800
DISPENSER HOUSING HEATER (DOOR)	2-6	2400-7200



SERVICE DEFROST BIMETALS

PLASTIC LINER MODELS
50°F OPEN

ELECTRONIC DEFROST CONTROL TEST MODE

OPTION #1 (BI-METAL CLOSED)

STEPS

- #1—POWER OFF TO REFRIGERATOR FOR AT LEAST 30 SECONDS
- #2—THERMOSTAT OFF
- #3—POWER ON TO REFRIGERATOR

OPTION #2 (BI-METAL CLOSED)

STEPS

- #1—THERMOSTAT OFF 15 SECONDS
- #2—THERMOSTAT ON 5 SECONDS
(REPEAT STEPS 1 & 2 TWO MORE TIMES)
- #3—THERMOSTAT OFF

ENTER TEST MODE

IN 3-8 SECONDS, CONTROL WILL TURN ON DEFROST HEATER. DEFROST HEATER WILL TURN ON FOR 21 MINUTES OR UNTIL BI-METAL OPENS. TO TERMINATE TEST EARLY, REMOVE POWER FROM REFRIGERATOR.

NOTE: IF OPTION #2 DOES NOT WORK, TRY OPTION #1 BEFORE REPLACING CONTROL. ALWAYS CHECK CONNECTIONS BEFORE REPLACING CONTROL.

HELPFUL HINT: UPON ENTERING TEST MODE, A RELAY TURNS OFF THE COMPRESSOR AND TURNS ON THE DEFROST TIMER. LISTEN FOR THE RELAY TO CLICK. IF RELAY CLICKS ONCE UPON ENTERING TEST MODE, CHECK FOR DEFROST HEAT. IF RELAY CLICKS TWICE, CHECK FOR BI-METAL OPEN.

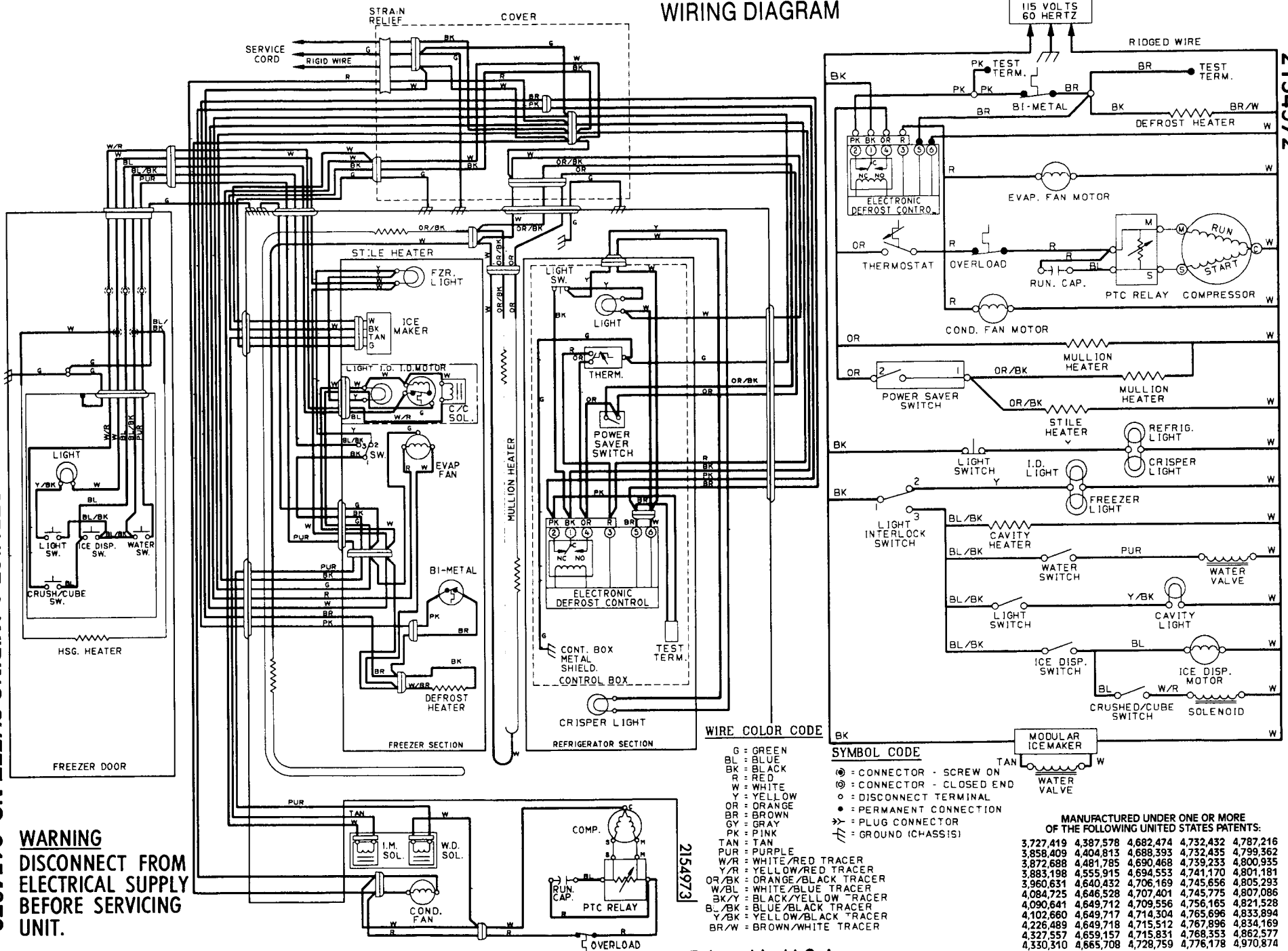
WARNING: IF BI-METAL IS BY-PASSED FOR TESTING, DO NOT OVERHEAT EVAPORATOR AREA.

WIRING DIAGRAM

2154972

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