

1. FEATURE CHART

- 1-1. FRONT VIEW(MSF-49NM)
1-2. SIDE VIEW(MSF-49NM)
1-3. FRONT VIEW(MSR-49G-2)
1-4. SIDE VIEW(MSR-49G-2)

2. WIRING DIAGRAM

- 2-1. REFRIGERATOR : MSR-23NM, MSR-49NM
MSR-23G-1, MSR-49G-2
- 2-2. FREEZER : MSF-23NM, MSF-49NM

3. PART DETAILS

- 3-1. TOP PANEL
3-2. COMPRESSOR COMPARTMENT
3-3. DOOR
3-4. COOLING COMPARTMENT

4. MAIN COMPONENTS

- 4-1. COMPRESSOR
- 4-2. POWER RELAY (COMP. RELAY)
- 4-3. CONDENSER DRYER
- 4-4. COMPRESSOR CAPACITOR
- 4-5. EVAPORATOR FAN MOTOR
- 4-6. CONDENSER FAN MOTOR
- 4-7. EVAPORATOR DEFROST HEATER
- 4-8. LAMP BULB
- 4-9. MAIN PCB
- 4-10. DISPLAY PCB
- 4-11. BALLAST

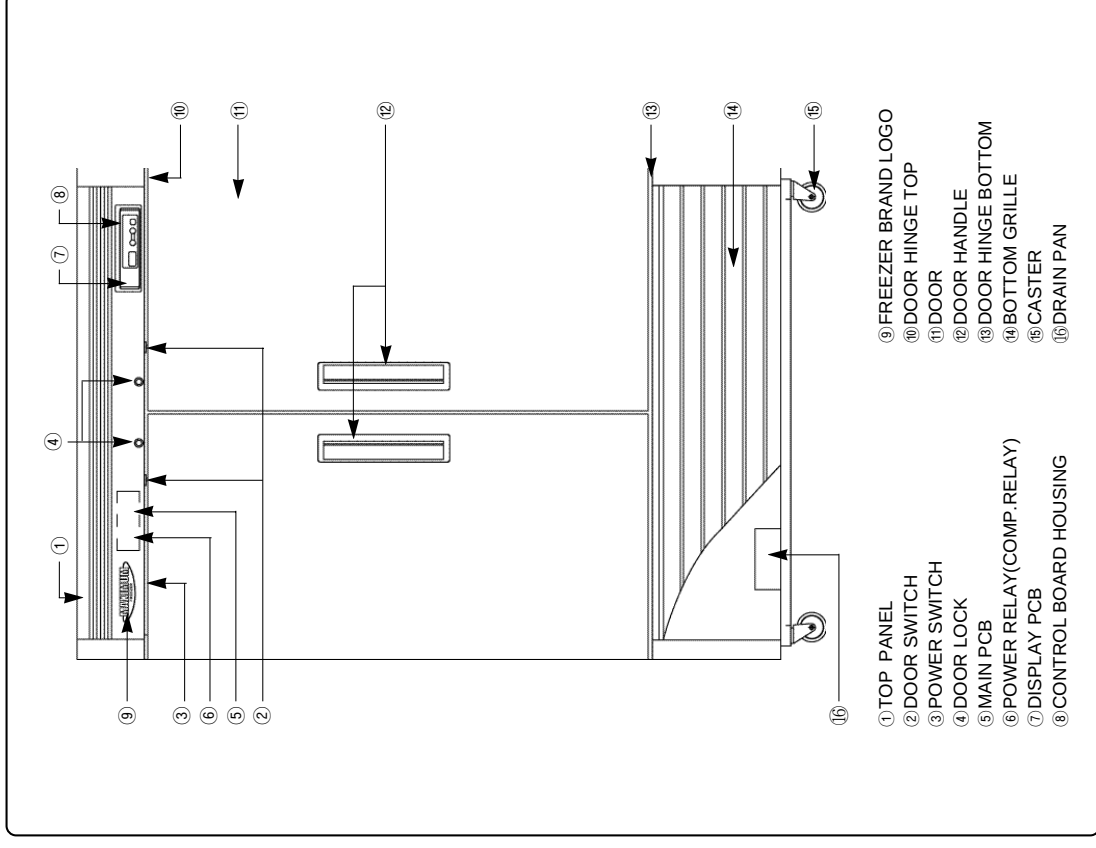
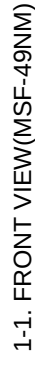
5. ELECTRONIC CONTROL INSTRUCTIONS

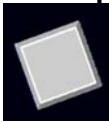
- 5-1. FREEZER CONTROL
5-1-1. HOW TO USE THE DISPLAY PCB PANEL
5-1-2. MANUAL DEFROST
5-1-3. FUNCTION TABLE
5-1-4. ERROR CODE TABLE
5-2. REFRIGERATOR CONTROL
5-2-1. HOW TO USE THE DISPLAY PCB PANEL
5-2-2. FUNCTION TABLE
5-2-3. ERROR CODE TABLE

6. REPLACEMENT OF MAIN COMPONENTS

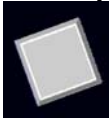
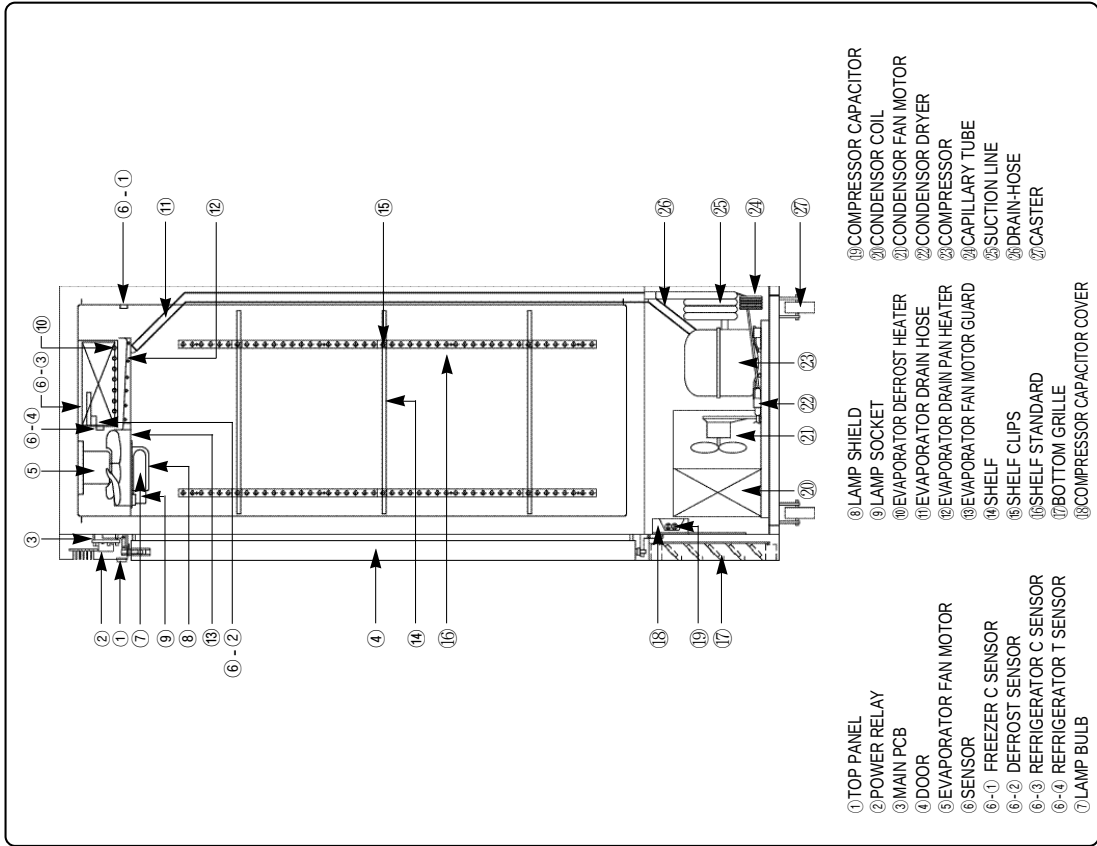
- 6-1. TOP PANEL PARTS
- 6-2. REPLACING DOOR
- 6-3. DOOR SPRING ADJUSTMENT
- 6-4. REVERSIBLE-DOOR ASSEMBLING METHOD
- 6-5. REFRIGERATION COMPARTMENT PARTS
- 6-6. CONDENSING UNIT
- 6-7. LIGHTING-PARTS

7. PART-LIST

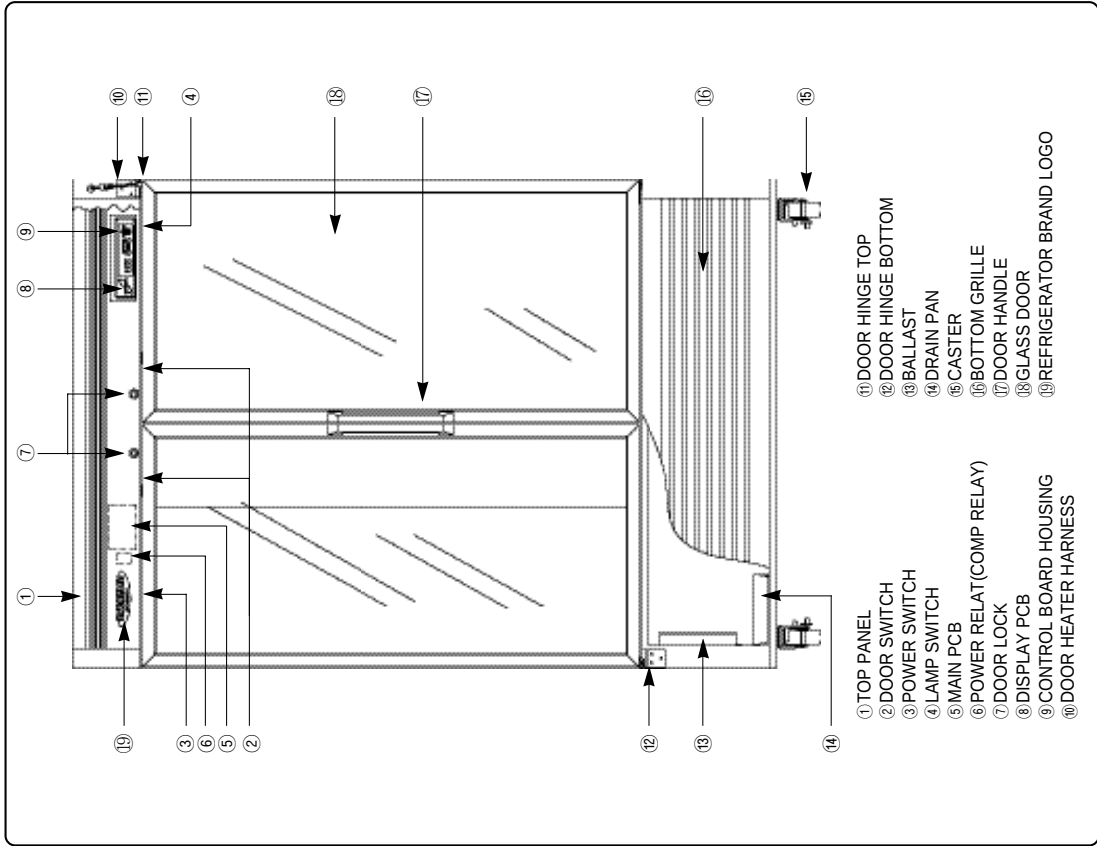


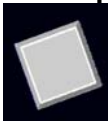


1-2. SIDE VIEW(MSR-49NM)

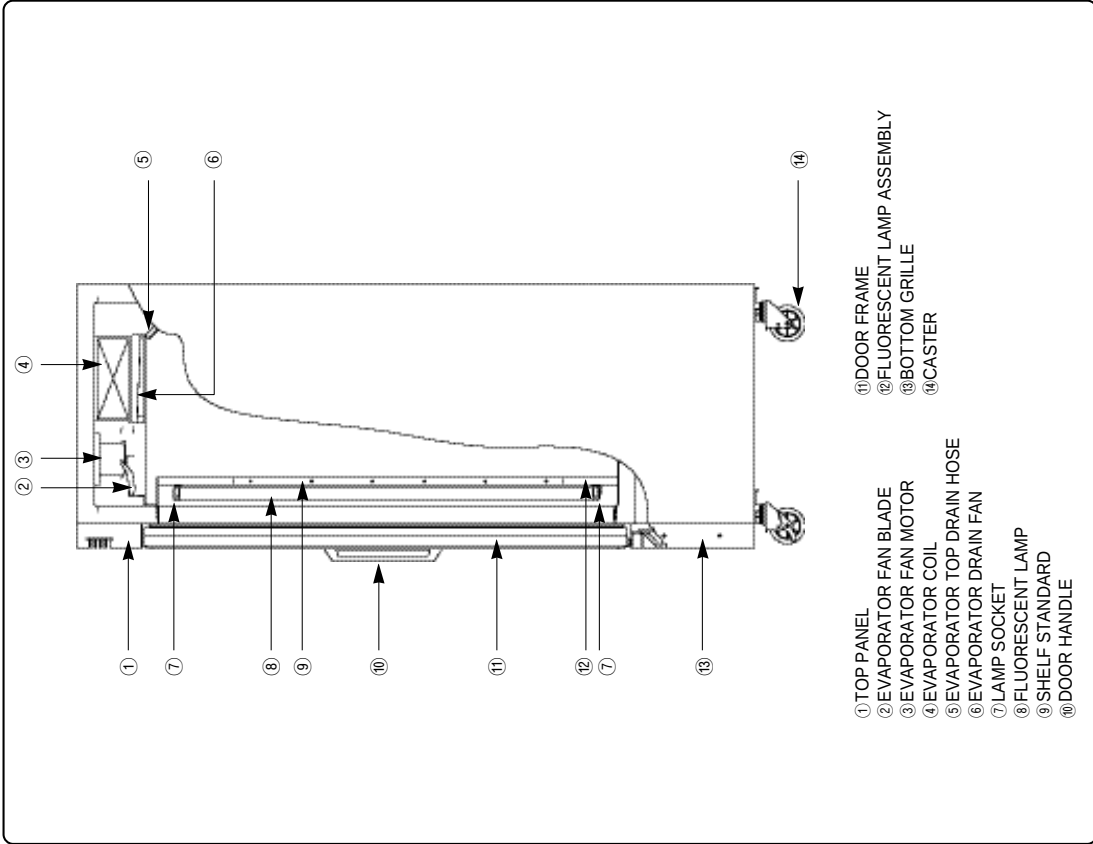


1-3. FRONT VIEW(MSR-49G-2)





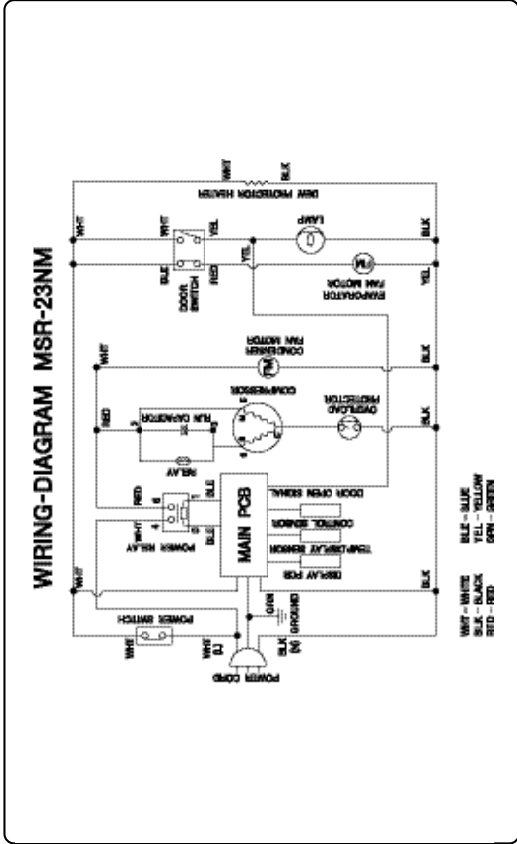
1-4. SIDE VIEW(MSR-49G-2)



WIRING DIAGRAM

2-1. REFRIGERATOR

- MSR-23NM



- MSR-49NM

