



ISO 9001 : 2000 REGISTERED

90 INDUSTRIAL PARK ROAD, SACO, ME/U.S.A. 04072
(207) 282-1589 800-225-3958 FAX (207) 282-6283

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W
(For Service Information Call: 800-225-3958)

TABLE OF CONTENTS

UNCRATING AND INSPECTION	PAGE 1
ASSEMBLY & INSTALLATION	PAGE 1, 2
ELECTRICAL INSTALLATION	PAGE 3
OVEN OPERATION	PAGE 3
CLEANING (DAILY)	PAGE 3
TROUBLE SHOOTING GUIDE	PAGE 4 & 5
MAINTENANCE PROCEDURES	PAGE 5, 6
PARTS LIST	PAGE 7

DRAWINGS

HEATER TUBE INSTALLATION	PAGE 2
LEFT SIDE EXPLODED VIEW	PAGE 6

WIRING DIAGRAMS

F24(W), F36(W), F40(W)	PAGE 8
------------------------	--------

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W

UNCRATING AND INSPECTION

Unpack unit and components from container. Remove all visible packing material and inspect unit for damage. If damage is discovered, file a claim immediately with the carrier that handled the shipment.

ASSEMBLY AND INSTALLATION

A. Counter Mounting (models F24, F36, F40):

If the unit is to be installed on a counter, attach legs as shown below.

Anti-skid pads are available at no charge and may be adhered to the foot section of each leg to prevent sliding. Call 1-800-225-3958 for details.

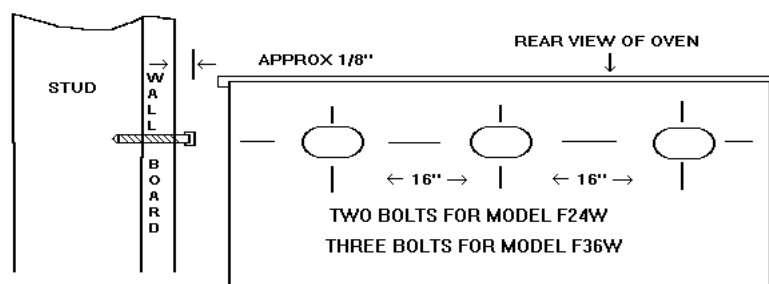
(Caution: Use of these pads is not approved by the National Sanitation Foundation).



B. Wall Mounting (models F24W, F36W, F40W):

Mounting bolts (2 1/2" lag bolts) have been supplied with your Cheese Melter. At the back of the Cheese Melter there are either two (F24) or three (F36) 5/8" holes which are plugged with nickel plated Button Plugs. These holes are on 16" centers and large enough so that the head of the Lag Bolt will slip inside the hole.

Screw the Lag Bolt into wall studs on 16" centers and level. Screw heads should be 1/8" away from the wall as shown below.



Using a flat tipped screw driver, the Button Plugs can be removed from the holes at the top rear of the unit. Unit may now be hung from wall by inserting the bolt heads into the mounting holes in the unit.

ASSEMBLY AND INSTALLATION CONTINUED ON PAGE 2

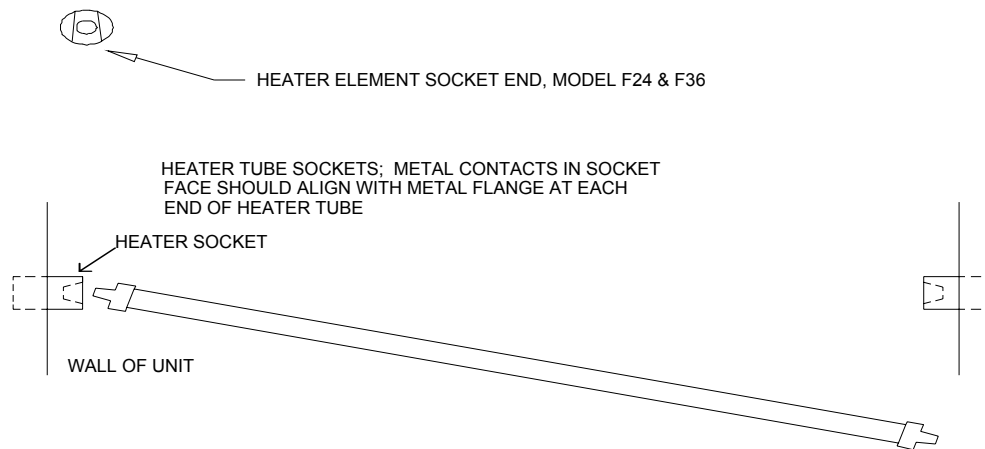
REVISED 3/30/00 MJC

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W

ASSEMBLY AND INSTALLATION CON'T.

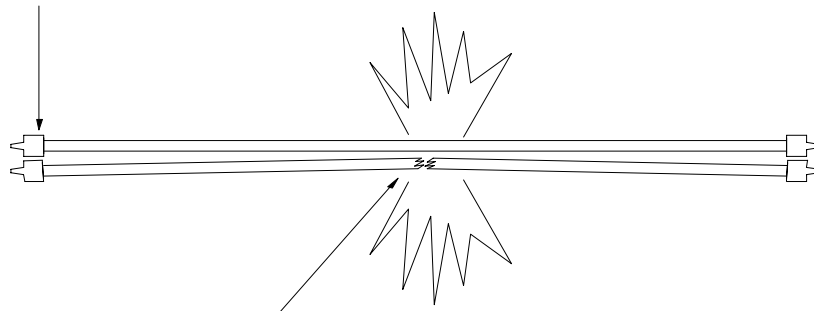
C. Heater Tubes:

Models F24, F36, F40 and F24W, F36W, F40W use quartz sheathed Heater Tubes which are held in position by spring loaded Sockets which push on the end of the Heater Tubes. To install or remove a Heater Tube, grasp the end of the Heater Tube **(NEVER THE MIDDLE)**, push one end of the Heater Tube into one of the spring loaded Sockets and insert or remove the other end of the Heater Tube into or out of the remaining Socket as shown below.



The F24, F36, F40 and F24W, F36W, F40W heater tubes are clear quartz (like glass) and quite fragile. When removing them from the cardboard tubes it is very important that no bending pressures be applied or they will immediately snap in the middle.

(EXTREME CAUTION SHOULD BE EXERCISED)



TUBES ARE VERY FRAGILE

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W

ELECTRICAL INSTALLATION

WARNING: NEVER PLUG A 208 VOLT UNIT INTO 240 VOLTS OR A 240 VOLT UNIT INTO 208 VOLTS. CHECK WITH POWER COMPANY TO DETERMINE ACTUAL VOLTAGE AT THE JOB SITE BEFORE INSTALLING UNIT.

WARNING: BE ABSOLUTELY SURE THE GROUND CONNECTION FOR THE RECEPTACLE IS PROPERLY WIRED. NEVER CONNECT UNIT TO POWER WITHOUT PROPER GROUND CONNECTIONS. IMPROPER GROUND CONNECTION MAY RESULT IN SEVERE INJURY OR FATALITY.

Models F24, F36 and F40 are furnished with a 4 foot cord and standard NEMA 6-30 Plug for plug in installation in a grounded 208 or 240 Volt outlet. Models F24W, F36W and F40W are furnished with a 1 1/2 foot cord and NEMA 6-30 Plug. Your HOLMAN oven should be the only appliance connected to the electrical line and should have its own fuse or breaker in the electrical box.

OVEN OPERATION

- A. Pre-heat:
Put Power Saver Switch into the ON position and set front and rear heat controls to desired settings. Fan Motor will now run and Pilot Light turns on. Allow approximately five minutes for warm up time.
- B. Power Saver:
Put power Switch into the off position. Pilot light is on and fan continues to run. Front two elements will now turn off while rear two elements continue to run. Unit is now in 1/2 power.
- C. Cooking:
There are six shelf positions in your Holman Cheese Melter (2 in model F40) with temperatures that range from approximately 300 deg. (F) in the lowest position to approximately 600 deg. (F) in the highest position. Some experimentation between heat control settings and shelf position may be necessary to achieve desired cooking results.

CLEANING (DAILY)

- A. Turn Power Saver to the OFF position. When oven has cooled;
 - 1. Remove shelf or rack. Clean with hot soapy water.
 - 2. Wipe interior and exterior surfaces with a damp cloth.

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W

TROUBLE SHOOTING GUIDE

CAUTION - ALWAYS DISCONNECT UNIT FROM POWER SOURCE BEFORE SERVICING

A. UNIT WILL NOT HEAT, FAN MOTOR WORKS.

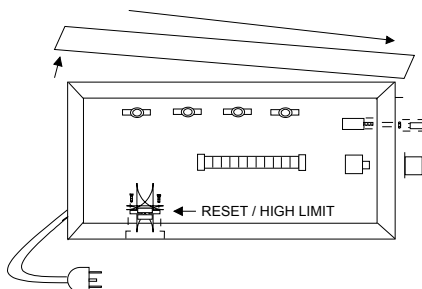
1. Disconnect unit from power source and check if heaters are properly installed as shown on page 3.
2. Make sure Power Saver Switch is in the ON position.
3. Press Heat Limit Switch.(If this reactivates heaters, see HEAT LIMIT SWITCH section C).

B. UNIT WILL NOT HEAT, FAN WILL NOT WORK, PILOT LIGHT WILL NOT COME ON.

1. Be sure main Circuit Breaker is switched to the ON position.
2. Check if oven is plugged in.
3. Make sure Power Saver Switch is in the ON position.
4. Call Holman Service Department at 1-800-225-3958 if further assistance is needed.

C. HEAT LIMIT SWITCH

Your Holman oven is equipped with an automatically activated temperature (Heat) Limit Switch which interrupts the Heater Tube connections if the air temperature in the Control Box exceeds 190 degrees (F), 87.8 degrees (C). This Heat Limit switch can be reset manually by pushing a button located on the bottom of the unit as shown below.



THIS HEAT LIMIT SWITCH IS ACTIVATED WHEN THERE IS NOT A PROPER AMOUNT OF AIR FLOW BEING GENERATED BY THE COOLING FAN. IF THIS OCCURS:

1. DISCONNECT UNIT FROM POWER SOURCE.
2. Check to see if the air intake area (louvers in left side panel) is free of dust, grease or other obstructions.

Heat Limit Switch Continued On Page 5

REVISED 9/27/95 MJC

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W

HEAT LIMIT SWITCH CON'T.

3. If no obstruction to the Air Intake can be found, call the Holman Service Department for assistance at 1-800-225-3958.

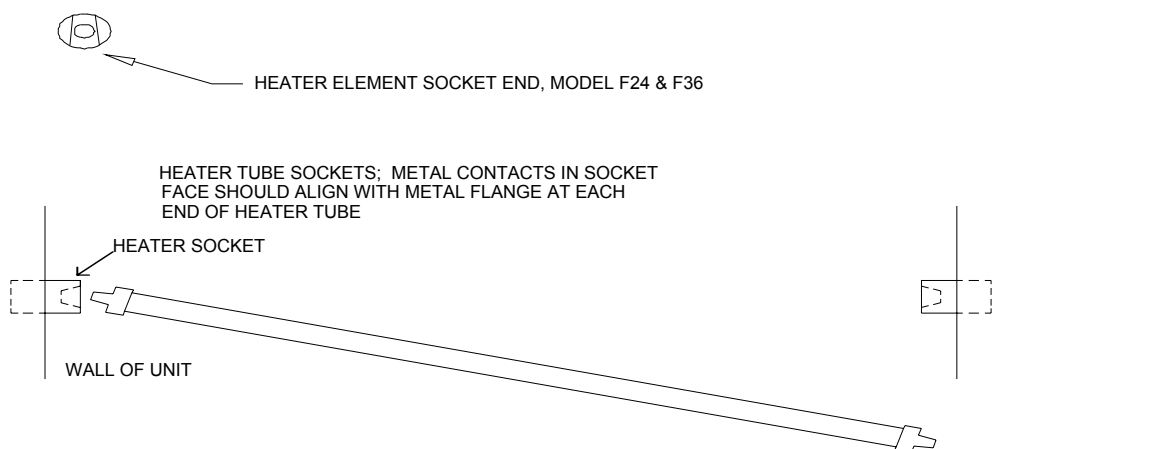
D. NO HEAT IN POWER SAVER MODE

1. Disconnect unit from power source.
2. Check to make sure rear Heater Tubes are properly installed.
3. Call the Holman Factory Service Team for further assistance.

MAINTENANCE PROCEDURES

REPLACING HEATER TUBES

1. Disconnect unit from power source.
2. Gently, pull defective Heater Tube out of unit by pushing from left to right, then slowly guide Heater Tube out of unit.
3. Gently, put new Heater Tube into unit by placing tube end into Socket and pushing into the spring loaded Socket. Guide opposite end of Heater into the remaining Socket.



MAINTENANCE PROCEDURES CONTINUED ON PAGE 6

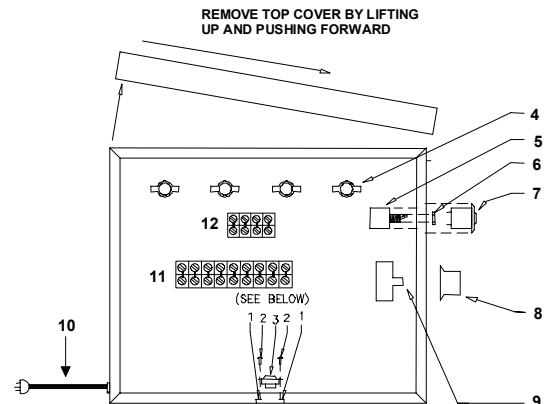
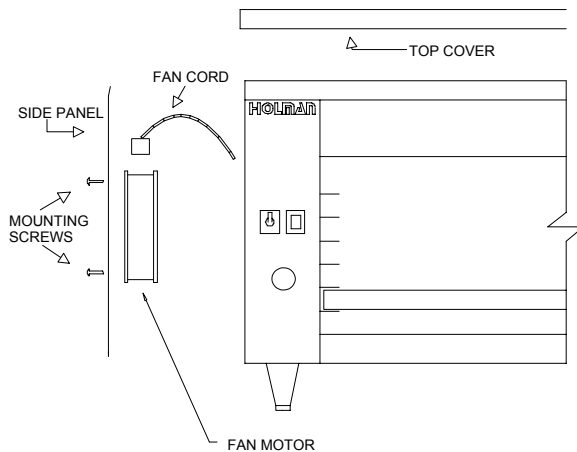
REV. 11/28/95 MJC

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W

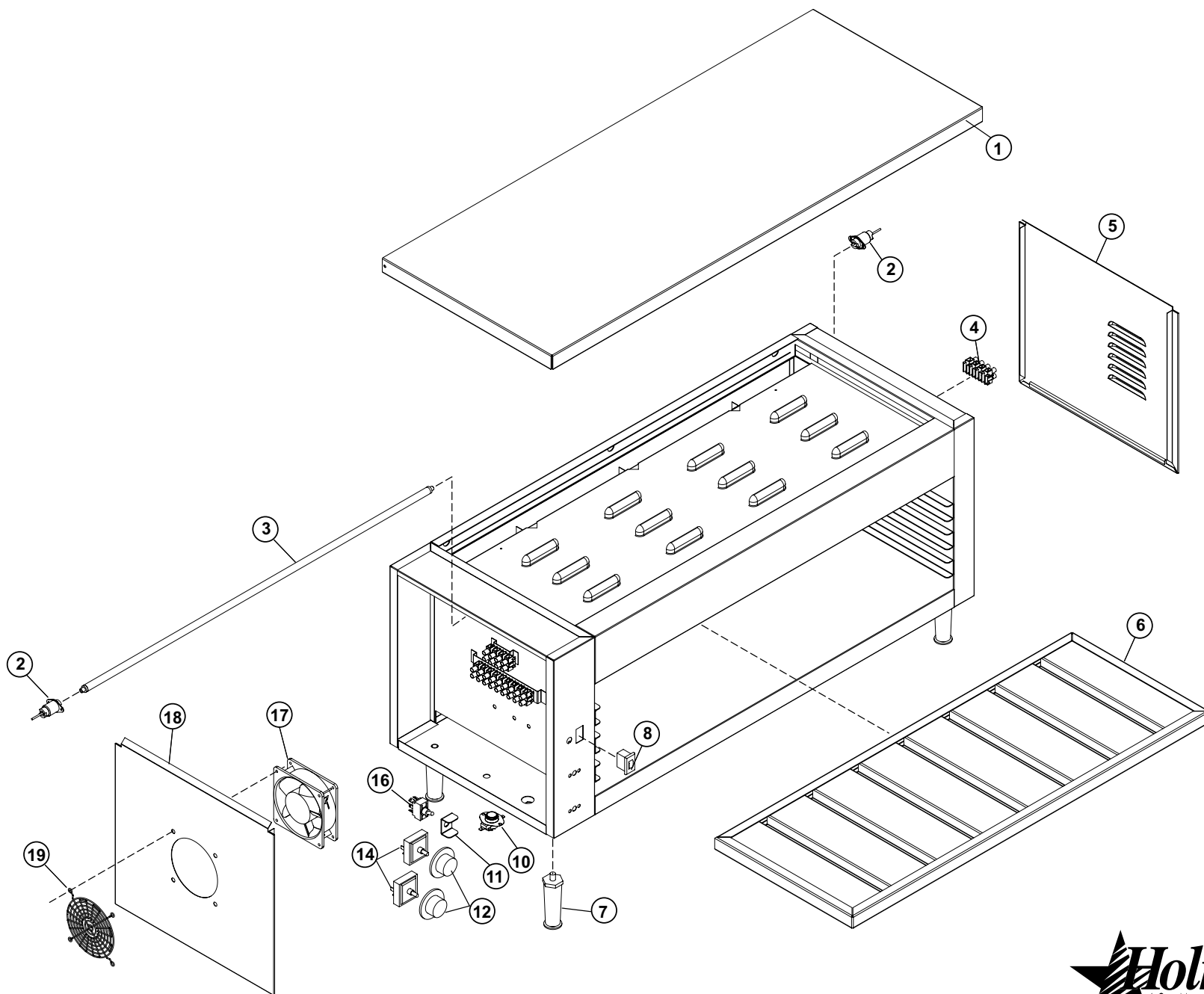
MAINTENANCE PROCEDURES CONT.

B. REPLACING FAN MOTOR

1. Disconnect unit from power supply.
2. Remove Top Cover as shown below.
3. Carefully slide right Side Panel up and out away from unit. Fan Motor will be attached to Side Panel.
4. Disconnect motor lead from rear of Fan Motor.
5. Remove Fan Motor and Fan Grill from Side Panel by removing four Mounting Screws on Side Panel.
6. Attach new Fan Motor and Fan Grill to Side Panel with four Mounting Screws
7. Reconnect motor lead to rear of new Fan Motor.
8. Slide new Side Panel with new Fan Motor already attached onto side of unit.
9. Replace Top Cover.



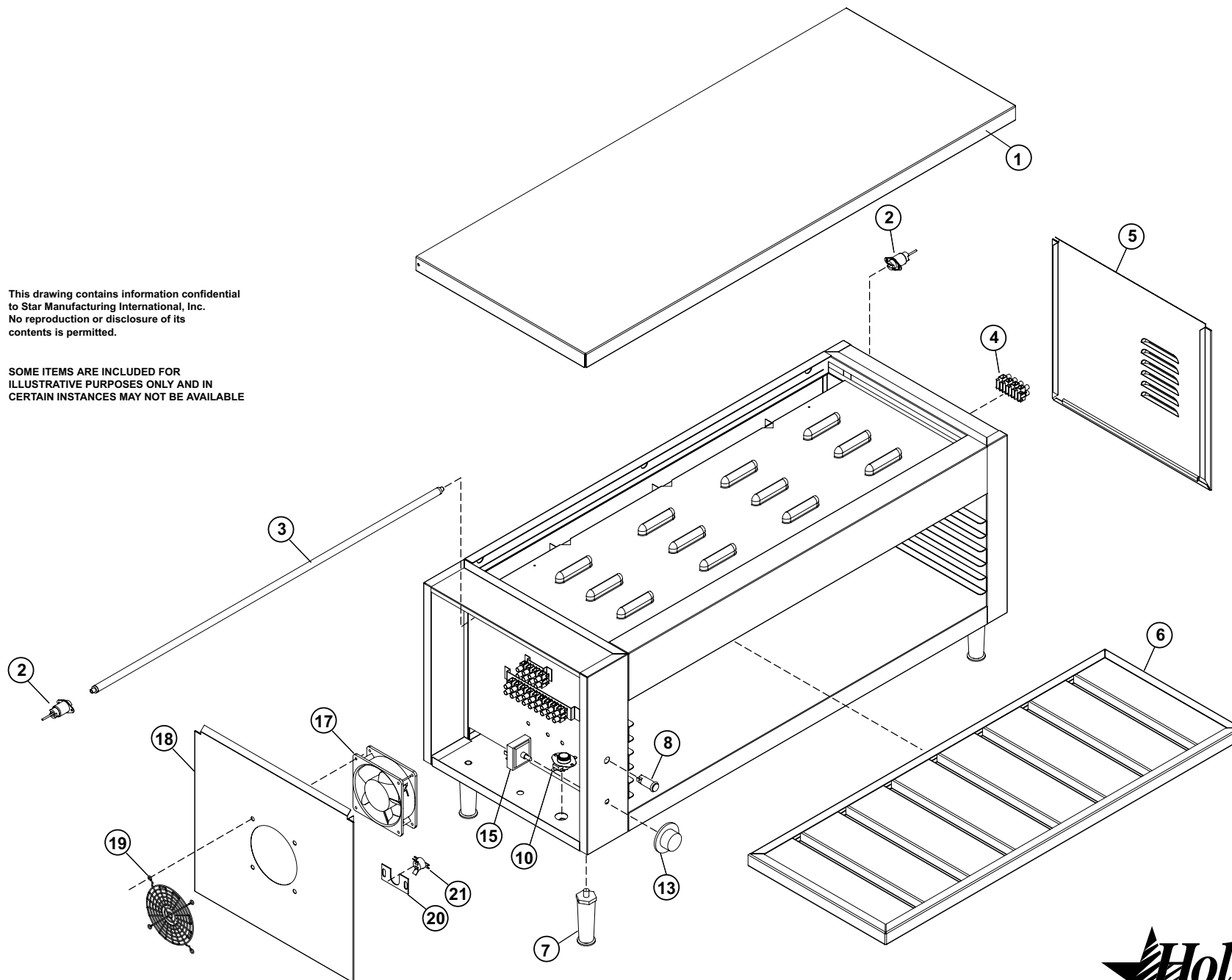
1. MOUNTING BRACKET 2. SCREW
3. RESET / HIGH LIMIT 4. HEATER SOCKET
5. ON / OFF SWITCH 6. TOGGLE NUT
7. PILOT LIGHT 8. KNOBS, INFINITE SWITCH
9. POWER SAVER 10. POWER SUPPLY CORD
11. TERMINAL STRIP 7 POS. 12. TERMINAL STRIP 4 POS.



MODEL: MINIVEYOR
F24 & F36 (manufactured before 2/2000)

This drawing contains information confidential
to Star Manufacturing International, Inc.
No reproduction or disclosure of its
contents is permitted.

SOME ITEMS ARE INCLUDED FOR
ILLUSTRATIVE PURPOSES ONLY AND IN
CERTAIN INSTANCES MAY NOT BE AVAILABLE



MODEL: F24PS & F36PS
(manufactured after 2/2000)



SK2158 Rev. - 12/16/05



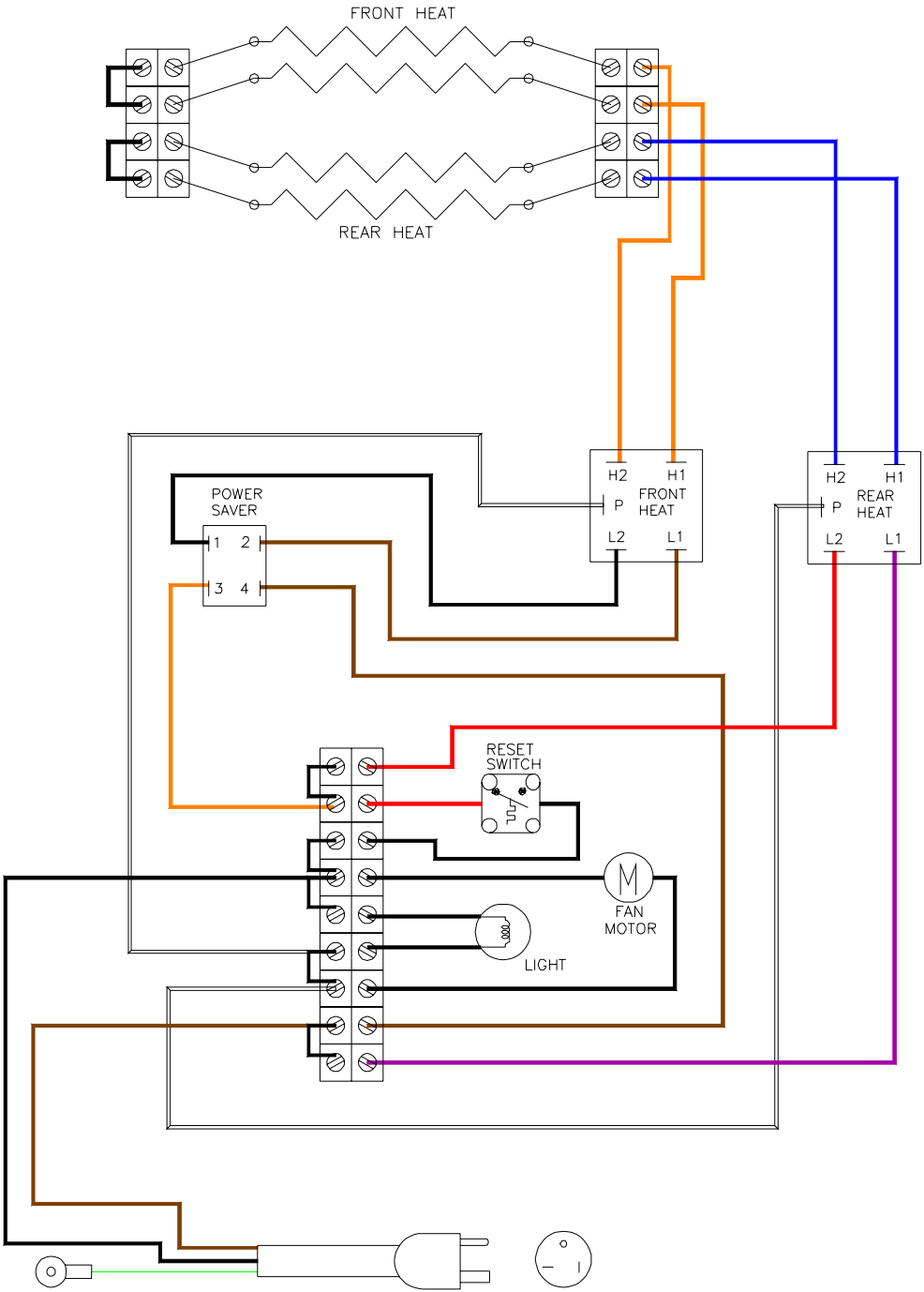
F24 - F36 Series Holman Finishing Ovens

Fig No.	Part Number	Quantity Per	Description		Fig No.	Part Number	Quantity Per	Description	
1	FB-100801	1	TOP COVER	36"	NI	2P-115501	3	JUMPERS, 2 POS. SMALL	
	FA-100800	1	TOP COVER	24"	NI	2P-115502	1	JUMPERS, 3 POS. SMALL	
2	2E-200409	8	SOCKET, HEATER TUBE		NI	2K-200465	1	BUSHING, CORD HEYCO	
3	FB-187708	4	HEATERTUBE QUARTZ	F36 208V	NI	FA-140033	1	CORD SET	24"PS, 36"PS
	FB-187708	6	HEATERTUBE QUARTZ	F36PSE 208V	NI	HX-140031	1	CORD SET	F24F6
	FB-187701	4	HEATERTUBE QUARTZ	F36 220V	NI	FA-140042	1	CORD SET	F24W (wall mount)
	FB-187701	6	HEATERTUBE QUARTZ	F36PSE 220V	NI	2E-200387	1	CORD SET, FAN MOTOR	
	FB-187709	4	HEATERTUBE QUARTZ	F36 240V					
	FB-187709	6	HEATERTUBE QUARTZ	F36CHPS 240V					
	FA-187707	4	HEATERTUBE QUARTZ	F24 240V					
	FA-187704	4	HEATERTUBE QUARTZ	F24 208V					
	FA-187704	6	HEATERTUBE QUARTZ	F24PSE, F24TE 208V					
	ZZ-187705	4	HEATERTUBE QUARTZ	F24 220V					
4	HA-115386	1	BLOCK TERMINAL, 9 POS.						
	HB-115387	1	BLOCK TERMINAL, 8 POS	24"PS					
	HC-115381	2	BLOCK TERMINAL, 4 POS.						
	HM-115384	1	BLOCK TERMINAL, 5 POS	24"PS					
5	FA-400660	1	SIDE PANEL, RIGHT SIDE						
6	F5-53601	1	RACK	36"					
	FB-100714	1	RACK, CHILLIES SPECIAL	F36CHPS, F36PSE					
	F5-52401	1	RACK	24"					
7	2R-200715	4	LEG, 4" DIE CAST						
8	2J-200427	1	PILOT LIGHT, DUALIT	Power Saver Units					
9	2J-200410	1	PILOT LIGHT	F24, F36 (Before 2/2000)					
10	2E-200566	1	SWITCH, RESET						
11	HA-401780	1	GUARD, TOGGLE	F24, F36 (Before 2/2000)					
12	2R-200702	2	KNOB	F24, F36 (Before 2/2000)					
13	2R-200703	1	KNOB	24"PS, 36"PS					
14	2J-200538	2	SWITCH, INFINITE						
15	2E-200551	1	SWITCH, POWERSAVER	524SB, 536SB, F24PS, F36PS					
16	2E-200543	1	SWITCH, ON/OFF	F24, F36 (Before 2/2000)					
17	2U-200560	1	MOTOR, FAN						
18	FA-402599	1	SIDE PANEL, LEFT SIDE						
19	2R-200562	1	GUARD, FAN						
20	HG-402144	1	FAN SWITCH BRACKET	24"PS, 36"PS					
21	2E-200574	1	SWITCH FAN CERAMIC	24"PS, 36"PS					

NI = NOT ILLUSTRATED,
AR = AS REQUIRED

OPERATORS MANUAL
HOLMAN CHEESE MELTERS
MODELS F24, F36, F40 & F24W, F36W, F40W

WIRING DIAGRAM



STAR MANUFACTURING

10 Sunnen Drive, St. Louis, MO 63143 U.S.A.

(800) 807-9054 (314) 781-2777

Parts & Service (800) 807-9054

www.star-mfg.com