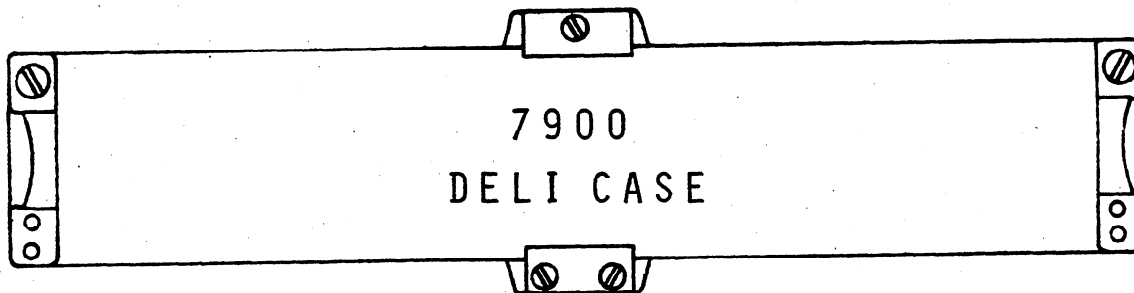


INSTALLATION & SERVICE INSTRUCTIONS

FOR MODEL(S)



**please retain
for future use**

**engineering dept.
bulletin # 74-166-1**

IN THE CONSTANT EFFORT TO IMPROVE OUR PRODUCTS, WE
RESERVE THE RIGHT TO CHANGE AT ANY TIME SPECIFICATIONS,
DESIGN, OR PRICES WITHOUT INCURRING OBLIGATION



P. O. Box C
1600 Rockdale Industrial Blvd.
Conyers, Georgia 30207
404 483-5600

WARREN / SHERER

DIVISION OF KYSOR INDUSTRIAL CORPORATION

West Industrial Road
Marshall, Michigan 49068
616 781-3911

WARREN/SHERER CLOSED-CASE MERCHANDISER

Model 7900 for Fresh Meats and Deli

TECHNICAL DATA

LENGTH:	7908	7912
Less ends	8'0"	12'0"
With ends	8'4"	12'4"

CAPACITIES:		
Display area --- main shelf	21.84 sq. ft.	32.75 sq. ft.
Each full mezzine shelf	6.53 sq. ft.	9.86 sq. ft.
Display Cube	40.17 cu. ft.	60.27 cu. ft.

EXTERIOR: Baked-enamel front, back, and ends in standard COLORAMICS shades at no extra charge. Stainless-steel top, end molding, and front trim. New modern-design three-glass FULL-VUE front. Double electrical receptacle mounted on lower left back for easy access.

INTERIOR: White baked enamel except white fiberglass bottom liner.

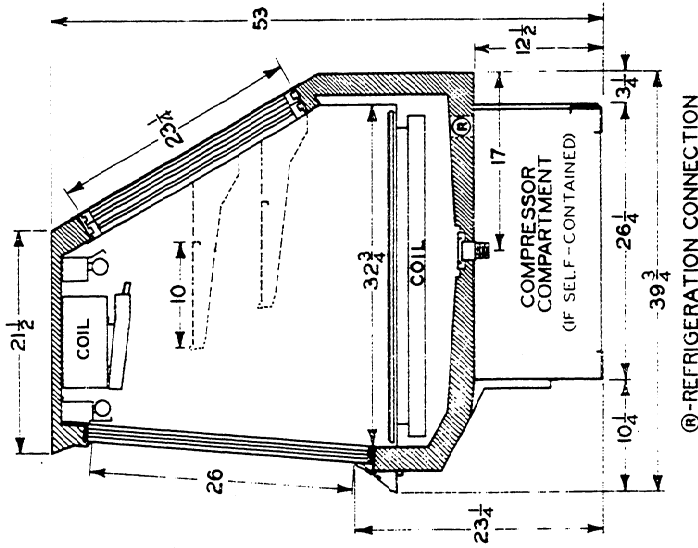
INSULATED THROUGHOUT WITH PERMA-SEAL, foamed-in-place waterproof insulation.

MULTI-TINNED HIGH-HUMIDITY GRAVITY COIL provides ideal humidity for top-quality condition of product. Additional bare-tube gravity coil in bottom.

FLUORESCENT LIGHTING at front and rear of coil floods the entire display area.

MULTI-CASE CONSTRUCTION allows an endless lineup with one pair of ends.

SLIDING SERVICE DOORS of two-glass FULL-VUE with Riji-Tuf frames; 8-ft. has four doors; 12-ft., four doors. Door track of Riji-Tuf for smoother action. Doors are extra large and located so that entire display bed is within easy reach.



Accessories

See price list for illustrations

13" WIDE RACKS, sectional chrome-plated wire; flat, 2-step and 3-step.

10" MEZZANINE SHELVES: half length or full length, either fixture will accommodate up to two rows.

ALUMINUM PLATTERS to fit all racks.

DELI-PAN RACKS, 3-step, stainless steel; stainless-steel pans to fit.

8" x 40" WRAPPING BOARD, collapsible, available in wood or NSF-approved Sani-Tuff.

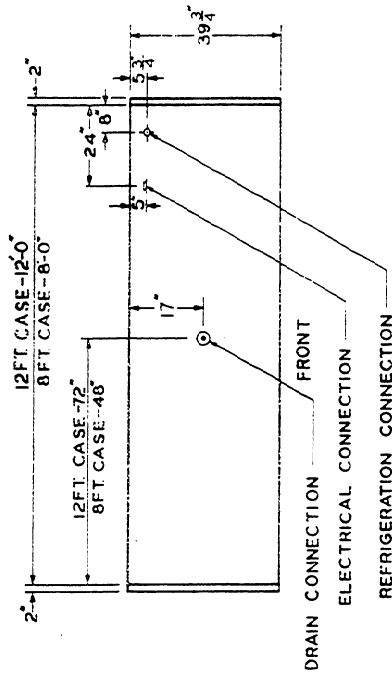
SCALE STAND: Stainless steel or baked enamel, adjustable.

18" PAPER CUTTER.

FISH ACCESSORIES: Stainless-steel baffles and ice pans.

Self-contained (1115/60/1 only), 7908 has a 1/3 h.p. compressor, 7912 a 1/2 h.p. compressor.

Safety light sleeve.



WARREN/SHERER WHOSE POLICY IS ONE OF CONTINUOUS IMPROVEMENT, RESERVES THE RIGHT TO CHANGE AT ANY TIME SPECIFICATIONS, DESIGN, OR PRICES WITHOUT INCURRING OBLIGATION.



P. O. Box 1436, Atlanta, Georgia 30301
West Industrial Road, Marshall, Michigan 49068

MODEL 7900
WARREN/SHERER
SERVICE DELI DISPLAY

- I PLANNING
 - A. Store Layout
 - B. Compressor Requirements
 - C. Defrost Types

- II INSTALLATION
 - A. Unloading Instructions
 - B. Setting
 - C. Joint Trim/End Trim
 - D. Hookup - Refrigeration
 - E. Electric and Waste Drip
 - F. Start-up - Control Settings
 - G. 7900 Self Contained

- III MAINTENANCE
 - A. Routing Weekly Cleaning
 - B. Semiannual

- IV APPENDIX
 - A. Case Cross Section/Parts List
 - B. Floor Plan - Electric, Refrigeration, Waste Location
 - C. Joint Trim
 - D. Wiring Diagram
 - E. Compressor Chart

I. Planning for your 7900

A. The 7900 was designed as a rear loaded fixture with sliding doors. It is available either self contained or remote. The self-contained version utilizes an air-cooled condensing unit mounted below the foam shell, 1/3 hp for 8' and 1/2 hp on 12'.

Refrigeration, electrical and waste drip connections must be planned early. There is space under the foam shell for interconnection of the fixtures. The waste drips may be also interconnected under the foam shell. Best practice is to connect no more than three fixtures together on waste piping. The waste drip should be an "indirect" open type where the condensate free falls into an open floor drain. In the Appendix there is a floor plan layout of the 7900 giving location of waste drip, electrical and refrigeration connections.

B. Compressor Requirements for remote application are listed in the Appendix for various length lineups. The condensing unit may be either a single compressor - Mastermetic - for a lineup of 1 thru 6 fixtures, or a parallel rack of 2 or 4 compressors - Minimetic or Multimetic - serving the entire medium temp requirements of the store. The ratings shown are based on a +15 evaporator, 105°F condensing temperature and store ambients of 80°F and 55% RH, and 90°F/60% RH.

C. Defrost is conventional off cycle defrost. Usual requirement is one defrost per day at 40-60 minutes each or two per day at 30 minutes each.

II. Installation

A. Unloading instructions. CAUTION: The tops of the 7900 cases are not designed for walking on. Serious personal injury could occur plus irreparable damage to the case.

Remove all shipping braces carefully and inspect for damage, preferably in the presence of the delivery man. List any damage on the freight bill and have the delivery man sign it. This is for your protection in settling damage claims.

B. Setting the cases requires the following:

1. "Johnson bar" or "dog"
2. 3 - 2" pipe rollers
3. Set of socket and box-end wrenches
4. Crowbars
5. Shims
6. 4' Carpenter's Level

These fixtures are 41 inches wide and 53 inches high complete. Measure your doors before arrival to assure clearance.

The 7900 is aligned at the factory prior to shipment on an absolutely level roller bed and cases intended to be joined together are marked "case _____ of lineup _____" on each end. It is imperative that these markings be observed.

Start at the left end and set case 1 in place, on shims if required. It is often helpful to sight the floor to make sure that there is not a pitch to the entire floor. Minor variations in height can be shimmed as you go along. Make sure that gasketing is in place for a good air seal. Replace gasketing if destroyed in transit.

Case 2 should be placed adjacent to case 1, and the T-nuts and bolts (marked ① on Joint Kit List in Appendix) used to draw the cases together. DO NOT USE JUST ONE OR TWO BOLTS TO DRAW CASES TOGETHER! Tighten all bolts approximately the same amount at a time. When the fixtures are still 1/2" apart, caulk, with silicone sealant, the entire portion of the fixture in the foam shell area (drain pan) so that when final tightening is accomplished the silicone is squeezed out along the entire metal end frame adjacent to the foam shell.

Next, both cases now joined together should be re-checked for level and shimmed where necessary. Now proceed to case 3.

C. Do not install any joint trim until entire lineup is in place and level.

Joint trim can now be installed as shown on Appendix drawing.

D. Hookup of refrigeration lines can now be started. Sil-fos, silver solder or soft solder can be used. Be sure that all ferrule openings are sealed with urethane foam which can be dispensed from the throw-away cans. Electrical interconnection can be made under the foam shell.

E. One 115-volt circuit must be supplied to the fixture for lights where remote condensing unit is utilized. For self-contained units, a larger 115-volt circuit is required.

Wire sizes can be selected from the application sheet in the Appendix for remote models. For self-contained cases the wire sizing should be rated to carry the compressor load as specified in Section II-G. ALWAYS GROUND ANY ELECTRICAL FIXTURE!. FOLLOW THE NATIONAL ELECTRIC CODE AND ANY LOCAL CODES.

The waste drip, discussed earlier, can be run using ABS, PVC or galvanized iron pipe, local codes permitting.

F. Startup (after proper evacuation and charging on remote units) consists mainly of determining correct control settings. Following are recommended initial settings:

1. Defrost Time Clock, 1 per day/50 minutes.
2. Thermostat (when used) cut out 30°, cut in 38°.
3. Pressure Control on Condensing Unit - cut out 18 psig, cut in 25 psig -R-12.

When an evaporator/pressure regulator (EPR) is used with the fixture, the pressure control setting is not critical and a thermostat need not be used.

Before adjusting the EPR, the expansion valve must be adjusted. To make this faster, it is desirable to make sure the EPR is not throttling. This can be checked with gages connected upstream and downstream. If the pressure drop is less than 2 psi, then it can be assumed the EPR is open and you can proceed to adjust the expansion valve. Normal superheat setting is about 10-12°F, and the valves, as installed and shipped, should be fairly close to that range already.

After adjusting the expansion valve, the EPR will have to be adjusted. Remove the small knurled cap and use a medium size straight screwdriver. Most installations require raising the setting by rotating the slot screw inside clockwise. Evaporator pressure should be 18 psig R-12.

G. 7900 Self Contained. The self-contained 7900 uses a Copelaweld "F" line air cooled condensing unit. The condensing unit is located underneath the display area. R-12 is the refrigerant used in this system. The condensing unit may be serviced by sliding out of case. This is done by removing the retaining clamps on back of case and pulling unit out carefully. The 8' model uses a FSAL-0033, which is a 1/3hp, with 8 amps full load and 42 amps locked rotor amps. The 12' model uses a FGAM-0050, which is a 1/2hp, with 11.2 amps full load and 51 amps locked rotor.

III. Maintenance

A. Weekly maintenance should consist of removal of shelves and wire racks, and thorough in-place cleaning of racks, deck pans, shelves, and drain pan area, using one of the many high-pressure low-water-volume sprayers now on the market at costs of less than \$200. A detergent such as Tide[®] may be used, although a bactericidal commercial cleaning solution is preferred. Practically any water-based cleaning solution may be used PROVIDED it is rinsed off immediately. After cleaning, the above should be wiped dry and replaced. Next, all interior surfaces should be wiped down with a solution of 1/2 cup Lysol[®] (or equal) to one gallon of warm water. Don't use detergents on glass surfaces - use only Bon Am[®] Wonderful Glass Cleaner (or equal).

On self-contained models the condenser should be vacuumed weekly. Dirty condensers mean high head pressure which means high operating cost and short life!

B. Semiannual maintenance requires thorough cleaning of drain pan with a hose. The upper coil drain pan should be cleaned thoroughly with a high-pressure cleaner. The base area should be vacuumed to remove debris and dust.

REF. NO.
(Fig. 1)

DESCRIPTION
BALLAST 15W (GE#89G381 or equal)
 BALLAST 30W (GE#3706 or equal)
 FRONT PANEL
 COLOR BAND
 OUTSIDE BACK PANEL
 LOWER BACK PANEL
 JUNCTION BOX COVER
 REAR BAFFLE
 DRIP PAN ASSEMBLY
 RECEPTACLE WIRING COVER
 RECEPTACLE PLUG/SWITCH ASSY
 BOTTOM COIL
 LH OUTSIDE DOOR ASSY
 LH INSIDE DOOR ASSY
 RH OUTSIDE DOOR ASSY
 RH INSIDE DOOR ASSY
 EXPANSION VALVE-Sporlan FF-1/4-C 1/4x1/2
 R-12

7908
 10D10-13
 10D10-12
 51A12-73
 51A17-33
 51B12-57
 51B12-58
 51W26-17
 54H28-111
 54S10-40
 54U22-12
 82E13-16
 86K12-17
 90E11-30
 90E11-31
 90E11-32
 90E11-33
 3A10-34

7912
 10D10-13
 10D10-12
 51A14-62
 51A17-33
 51B12-57
 51B12-62
 51W26-17
 54H28-111
 54S10-40
 54U22-12
 82E13-16
 86K12-17
 90E11-30
 90E11-31
 90E11-32
 90E11-33
 3A10-34

7908SC
 10D10-13
 10D10-12
 51A12-73
 51A17-33
 51B12-57
 51B12-62
 51W26-17
 54H30-76
 54S10-41
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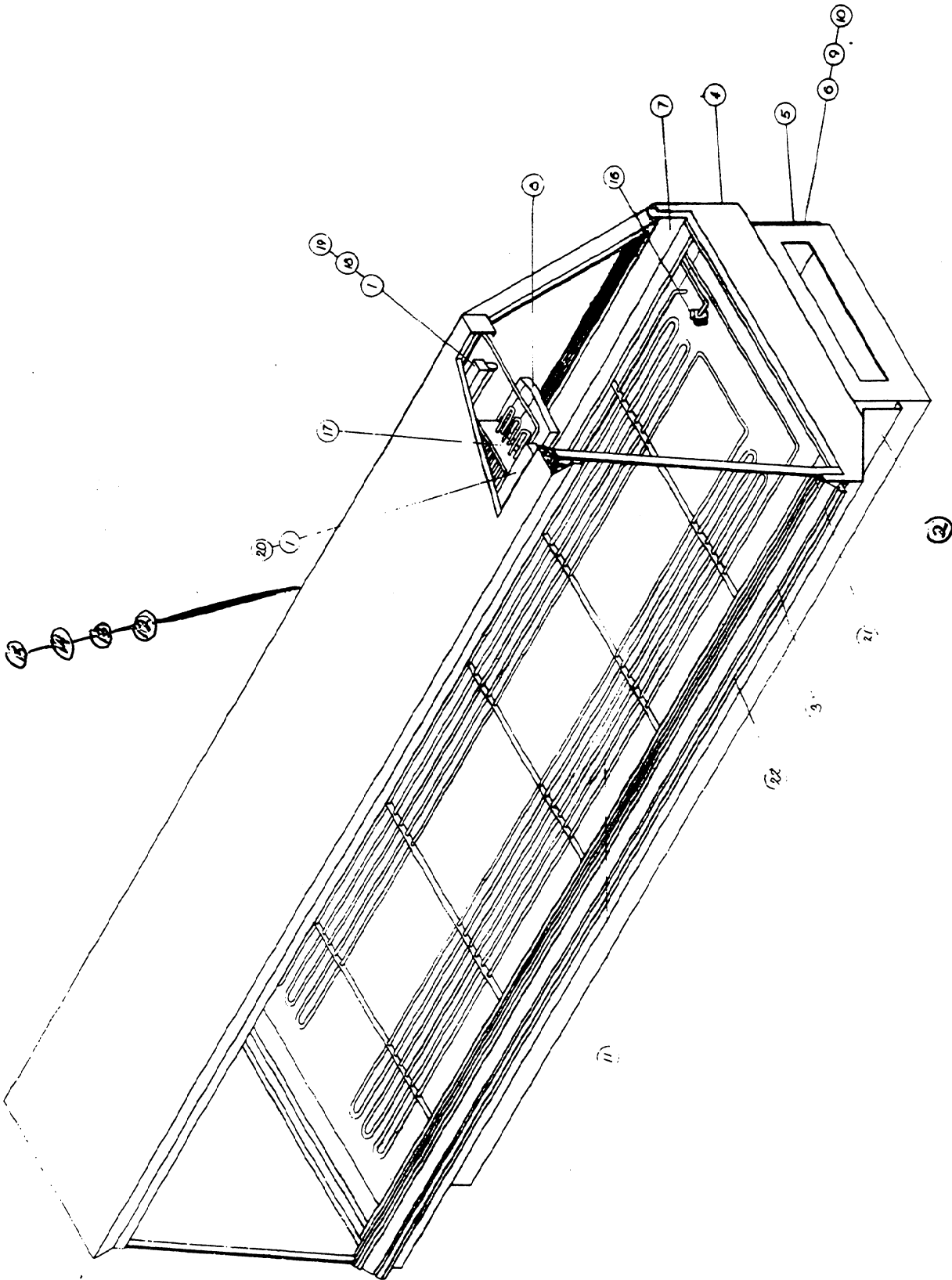
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 51A17-33
 51B14-52
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 51W26-17
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 54S10-41
 54U22-12
 82E13-16
 86K12-18
 90E13-10
 90E13-11
 90E13-12
 90E13-13
 3A10-34

18 FLUORESCENT REAR BULB (F30T8N)
 19 FLUORESCENT REAR BULB (F15T8N)
 20 FLUORESCENT FRONT BULB (F40T12N)
 21 THERMOPANE BASE TRIM
 22 BUMPER TRIM
 17 UPPER COIL

10A10-17
 10A10-18
 10A10-22
 15J11-12
 15J11-18
 5A10-88

10A10-17
 10A10-18
 10A10-22
 15J11-10
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 15J11-12
 15J11-18
 5A10-89

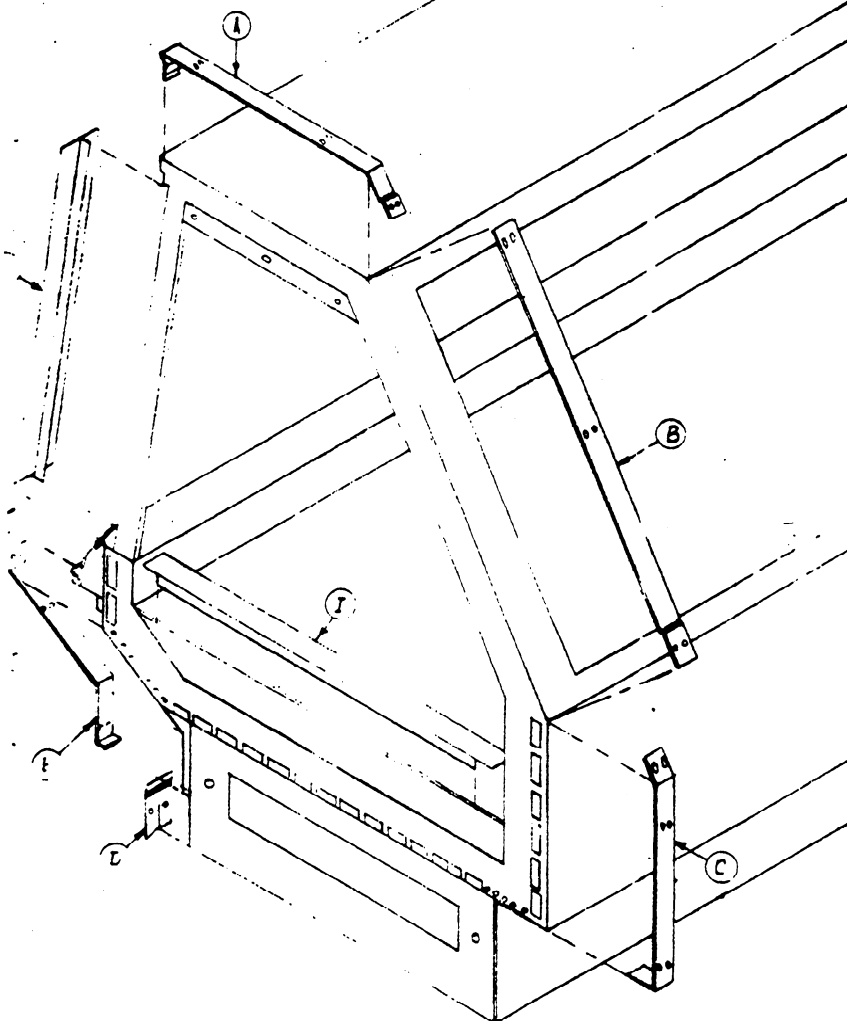


LETTER	REVISED	DATE
0218		7-9-74
SCALE	TITLE	
NONE	7500 ORIGINAL ISOMETRIC	
DRAWN	DRAWING NUMBER	
WJH	WARREN-ORIAL JES	
APP'D	DIVISION OF PLASTIC INDUSTRIAL CORPORATION	
	P. O. Box 1118, Atlanta, Georgia 30301	
	AB-20437	

JOINT KIT NO 94F13-54 FOR MODELS 7908 - 7912

PART NUMBER	DRAWING LETTER	DESCRIPTION	REQ'D
6E10-52	G	TRIM JOINT CASTING	1
9A15-10		NUT - 3/8 - 16 HEX SCP	4
9A15-13		NUT 3/8 SHGD TEE SMALL	3
9B13-11		WASHER - 3/8 CUT SCP	3
DE10-10		BOLT - 3/8-16X1-1/4 HEX HD MACH SCREW	3
DE10-12		BOLT 3/8 - 16 X 2-1/2	4
JA11-11		8-32 X 1/2 MACHINE SCREW FH SS ST	2
1B11-19		SCREW NO. 8 X 5/8 SHEET MT. OH PH SS	26
1B12-15		10-16 X 3/4 SHEET METAL	2
1B12-17		SCREW 1/2 IN DRILL	2
4E10-24		GASKET POLYURETHANE 1/4X3/8 ADHES. ON 1 3/8S	1 FT.
IF11-92	D	TRIM - KICKPLATE JOINT	
3E16-43		TRIM - FRONT PANEL VINYL	
4E16-54		TRIM - JOINT CASTING	
8E2007		CHANNEL - JOINT TRIM	
5P12-96		TRIM - COLORBAND NOSE PIECE	
5P18-76		TRIM - REAR JOINT, UPPER	
5P18-77		TRIM - REAR JOINT, LOWER	
5P18-79		TRIM - FRONT PANEL JOINT	
5P18-81		TRIM - FRONT GLASS JOINT	
5P18-83	A	TRIM - TOP PANEL JOINT	

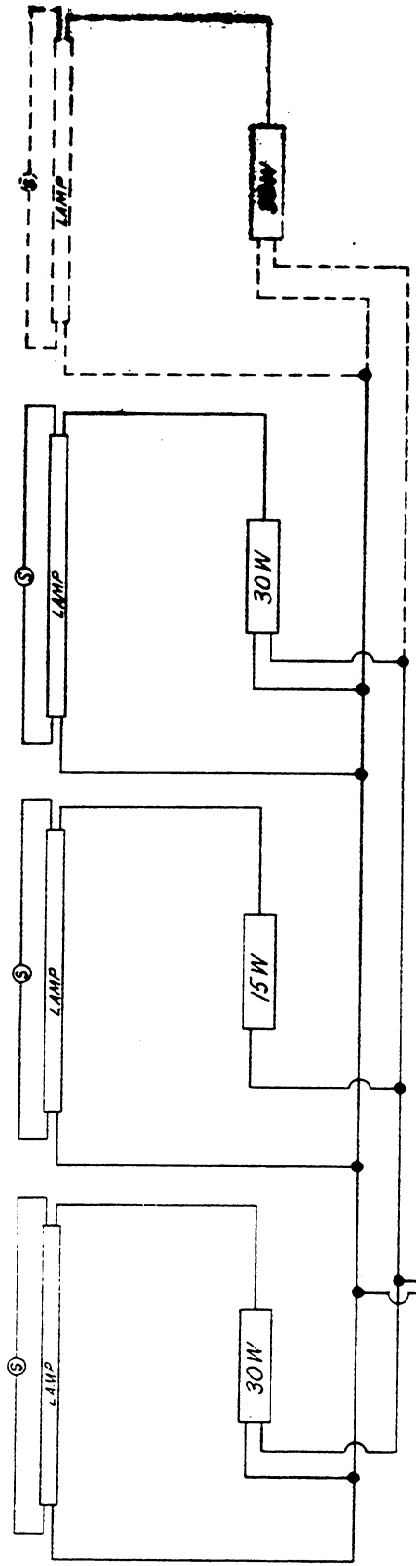
VINYL KIT
7908 & 7912 ONLY



NOTES:

1. FOR SIMPLIFICATION, PLACE FIXTURES AS NEAR THEIR PERMANENT LOCATION AS POSSIBLE BEFORE REMOVING SKIDS OR ROLLERS.
2. THE LEVELING OF FIXTURES IS VERY IMPORTANT. SKILLED PERSONNEL AND AN ACCURATE LEVEL MUST BE USED. WOODEN WEDGES ARE FURNISHED TO ASSIST IN THIS OPERATION.
3. AN AMPLE SUPPLY OF 1/4" ROUND SEALING COMPOUND IS SENT WITH EACH MULTIPLE INSTALLATION FOR SEALING OFF ANY AIR LEAKAGE. IT IS ESSENTIAL THAT ALL AIR LEAKS BE SEALED IN ORDER TO PREVENT OPERATING DIFFICULTIES. REMOVE ANY EXCESS SEALING COMPOUND WITH A SOLVENT SUCH AS MINERAL SPIRITS.
4. SEAL ENTIRE END FRAME AREA WITH GASKET MATERIAL PROVIDED. FIXTURES ARE TO BE PLACED END TO END AS CLOSELY AND AS NEAR IN LINE AS POSSIBLE. PLACE T-NUTS IN PREDRILLED HOLES LOCATED ON TOP END FRAME CROSS MEMBER AND ON BOTTOM END FRAME CROSS MEMBER. ROTATE 3/8" BOLTS WITH T-NUT WASHERS INTO T-NUTS ALTERNATELY UNTIL JOINT IS COMPLETELY SEALED. POSITION TRIM AS SHOWN, USING PARTS LIST DRAWING LETTERS AS A GUIDE.
5. "C" REAR JOINT TRIM, LOWER. POSITION ON CASE AS SHOWN AND SECURE WITH (4) #8X5/8 SHEET METAL SCREWS, LEAVING THE TWO SLOTS OPEN.
6. "B" REAR JOINT TRIM, UPPER. POSITION ON CASE AS SHOWN WHILE ALIGNING THE BOTTOM PAIR OF HOLES WITH SLOTS IN PART "C". SECURE WITH (4) #8X5/8 SHEET METAL SCREWS, LEAVING THE TWO SLOTS OPEN.
7. "H" FRONT GLASS JOINT TRIM. POSITION IN CENTER OF JOINT AND SEAL WITH 1/4" BEAD SEALER (29B10-17). PUSH FIRMLY TO INSURE SEAL.
8. "A" TOP PANEL JOINT TRIM. POSITION ON CASE AS SHOWN, WHILE ALIGNING THE BOTTOM PAIR OF SLOTS IN PART "C". SECURE WITH (8) #8X5/8 SHEET METAL SCREWS.
9. "E" FRONT PANEL JOINT TRIM. POSITION ON CASE AS SHOWN. SECURE WITH (6) #8X5/8 SHEET METAL SCREWS.
10. "D" KICKPLATE JOINT TRIM. PLACE AS SHOWN AND SECURE WITH (2) #8X5/8 SHEET METAL SCREWS.
11. "F" COLORBAND NOSE PIECE. PLACE NOSE PIECE ON COLORBAND OVER JOINT. SECURE WITH (2) #8X5/8 SHEET METAL SCREWS.
12. "G" JOINT TRIM CASTING. POSITION CASTING WITH BOTTOM OVER "F" AND FASTEN WITH (2) #8-32X1/2 MACHINE SCREW FH SS ST.
13. "I" JOINT TRIM CHANNEL. POSITION JOINT IN CHANNEL FLANGES OVER EDGE OF END FRAME.

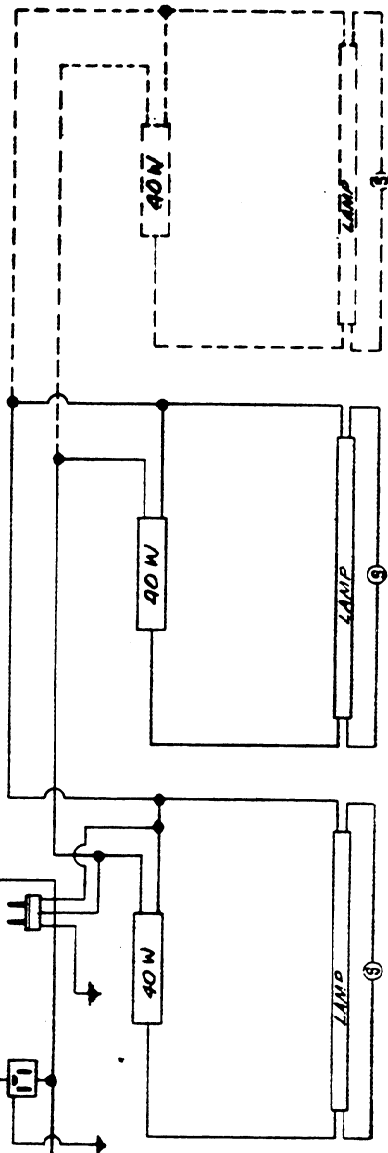
REAR LIGHT RAIL



OUTER REAR R. ONLY

115 VOLTS

FRONT LIGHT RAIL



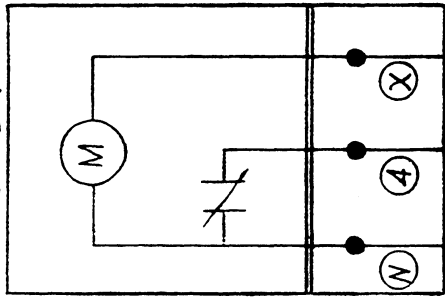
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DATE	7-5-74
SCALE	NONE
DRAWN	ADAMS
APPROVED	W.A.M.
WARREN-Dual Job DIVISION OF MOTOR INDUSTRIAL CORPORATION P. O. Box 1558, Warren, Michigan 48090	
PB-20525	

SETTING

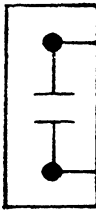
1/DAY @ 50 MIN.

CLOCK

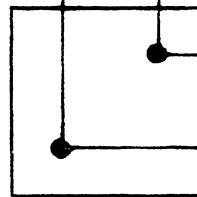
PARAGON MODEL - 5046-0



CUT IN - 25 PSIG
CUT OUT - 18 PSIG
PRESSURE CONTROL



JUNCTION BOX



TO CONDENSING UNIT

- 1/3 HP (7912) - TO 1" ON PROTECTOR
- 1/3 H.P (7908) - TO 1" ON CURRENT RELAY

NEUTRAL

- 1/2 HP (7912) - TO 2" ON CURRENT RELAY
- 1/3 HP (7908) - TO 1" ON PROTECTOR

HOT
NEUTRAL
115 VOLTS

LETTER	REVISED	DATE	BY
		11-7-74	
TITLE		WIRING CHASERAM - 7900 SC	
DATE	SCALE	DRAWN	
11-7-74	NONE	T. ADAMS	
DRAWN		APPD. W. J.	
DRAWING NUMBER		PA-26059	
WARREN-Dual Jet DIVISION OF KYSOR INDUSTRIAL CORPORATION P. O. Box 1436, Atlanta, Georgia 30301			

CASES	STORE BTUM	CONDENSING UNIT SIZING R-12					CONDENSING UNIT SIZING R-502					115 VOL	Y	MASE		
		SAH -AMBIENT-	SMHI	0-75'	75-150'	75-150'	SAH -AMBIENT-	WHI	0-75'	75-150'	75-150'					
8 12	FT REQ'D	90°	75°	L	S	L	S	L	S	L	S	L	S	WI LITE	WI RE	AMPS RE
1 0	8	70	70	70	3/8	7/8	3/8	7/8	3/8	7/8	3/8	7/8	7/8	14	3.1	14
0 1	12	70	70	70	3/8	7/8	3/8	7/8	3/8	7/8	3/8	7/8	7/8	14	4.5	14
2 0	16	100	100	100	3/8	7/8	3/8	7/8	3/8	7/8	3/8	7/8	7/8	14	6.2	14
1 1	20	100	150	100	3/8	7/8	3/8	7/8	3/8	7/8	3/8	7/8	7/8	14	7.6	14
0 2	24	150	150	150	3/8	7/8	3/8	7/8	3/8	7/8	3/8	7/8	7/8	14	9.0	14
2 1	28	150	150	150	3/8	7/8	3/8	7/8	3/8	7/8	3/8	7/8	7/8	14	10.7	14
1 2	32	200	200	200	3/8	7/8	3/8	7/8	3/8	7/8	3/8	7/8	7/8	14	12.1	14
0 3	36	200	200	200	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	13.5	14
2 2	40	300	300	300	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	15.2	14
1 3	44	300	300	300	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	16.6	14
0 4	48	300	300	300	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	18.0	14
2 3	52	300	300	300	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	19.7	14
1 4	56	300	300	300	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	21.1	14
0 5	60	300	500	300	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	22.5	14
2 4	64	500	500	300	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	24.2	14
1 5	68	500	500	500	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	25.6	14
0 6	72	500	500	500	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	27.0	14
2 5	76	500	500	500	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	28.7	14
1 6	80	500	500	500	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	30.1	14
0 7	84	500	500	500	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	31.5	14
2 6	88	500	550	500	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	33.2	14
1 7	92	550	550	500	1/2	7/8	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	1-1/2	1-1/8	14	34.6	14



NOTES:

- COND. UNIT RECOMMENDATIONS BASED ON 90° F & 55% RH STORE AMBIENT.
- SAH(AIR COOLED) UNIT SELECTION IS BASED ON AIR TEMPERATURE ENTERING CONDENSOR AS SHOWN. SMH (WATER COOLED) UNIT SELECTION BASED ON 2 GPM 70-75° F WATER ENTERING.
- COND. UNIT SUFFIX IS:
 RL-Low Temp R-502
 RC-Med Temp R-502
 FC-Med Temp R-12

- CAUTION: THESE RECOMMENDATIONS BASED ON BEST INFORMATION AVAILABLE AND ON CONDITIONS AS LISTED FOR APPLICATIONS NOT LISTED CONSULT ENGINEERING DEPARTMENT.
- LINE LENGTHS SHOWN ARE EQUIVALENT LENGTHS. TO DETERMINE EQUIVALENT LENGTH MEASURE ACTUAL LINEAL LENGTH FROM COMPRESSOR TO FURTHEST CASE AND ADD FOUR FEET FOR EACH ELBOW OR OTHER FITTING.

- RISER AND P-TRAPS SHOULD BE REDUCED ONE SIZE FROM THAT SHOWN
- WIRE SIZES ARE BASED ON 100' OF TYPE Y AMB TM.
- LIGHTS: AMPS SHOWN ARE FOR STANDARD FIXTURES. FOR EACH LIGHTED SHELF ADD 0.7 AMP.
- THREE PHASE AMPS IS MAXIMUM FOR ONE LEG.
- WASTE OUTLET IS STANDARD 1 INCH M.P.T.

7900
ZTS

CONNECTIONS: 7900 SUCTION LINE 1/2" OD, LIQUID LINE 1/4" OD
 ZTS SUCTION LINE 5/8" OD, LIQUID LINE 3/8" OD

W A R E N / S H E R E R CONDENSING UNIT RECOMMENDATIONS , REFRIGERANT LINE SIZING , ELECTRICAL DATA FOR :
 JP TO 90 ° STORE , SUCTION TEMPERATURE 45.0°