

YORK®

PACKAGED LIQUID CHILLERS
AIR COOLED — RECIPROCATING HERMETIC

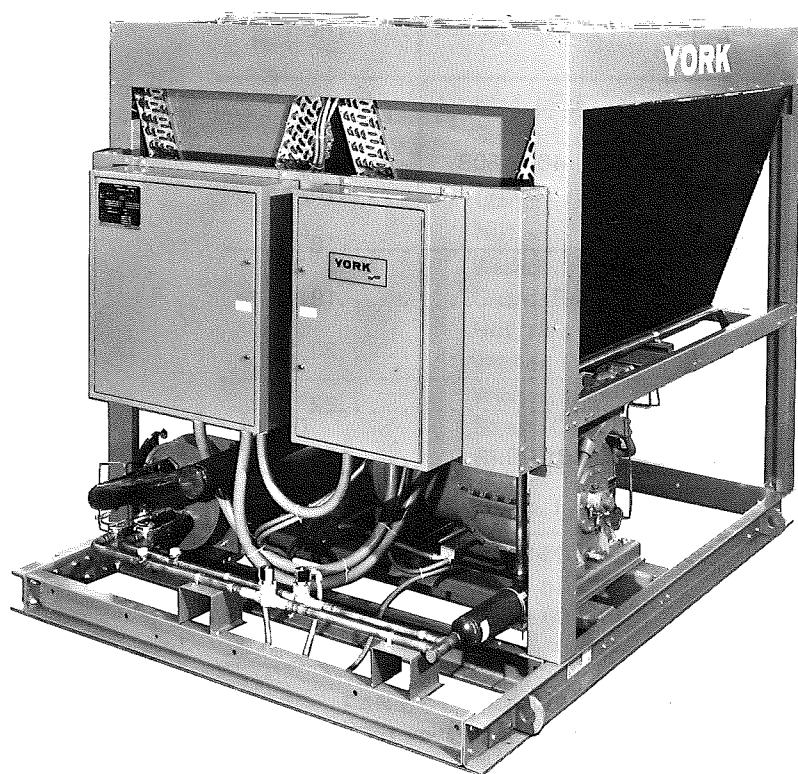
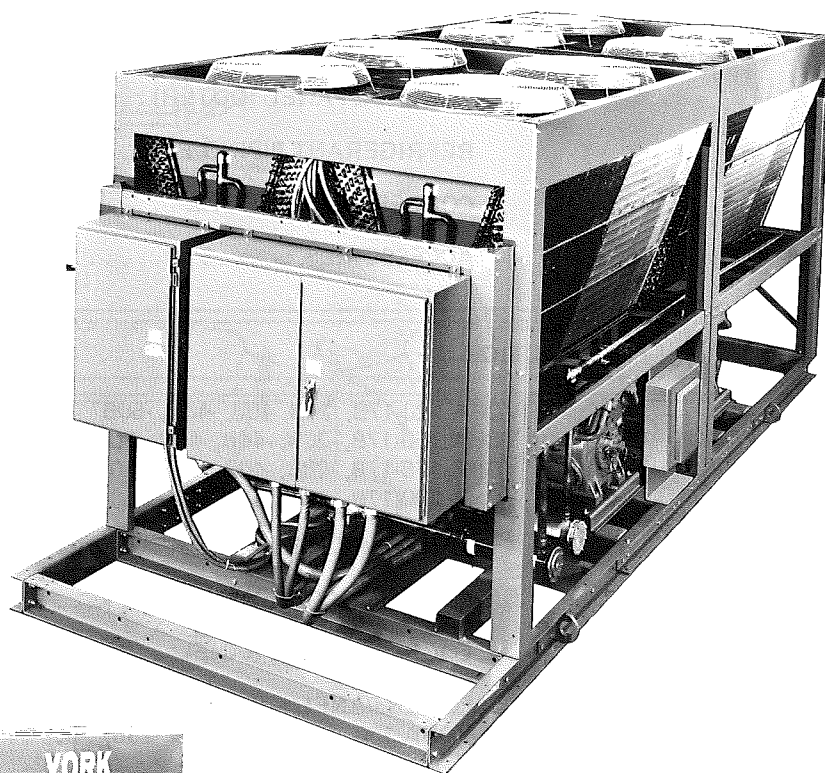
RENEWAL PARTS

Supersedes: Nothing

585

Form 150.40-RP15

MODELS YCHA 100, YCHA 120, YCHA 150 YCHA 175 & YCHA 200 STYLE B



NOMENCLATURE

Y C H A 150 - 28 B

Design Series: B

Voltage Code:

17 = 200-3-60

28 = 230-3-60

40 = 380-3-60

46 = 460-3-60

50 = 380/415-3-50

Capacity Tons

Air Cooled

Hermetic

Chiller

York

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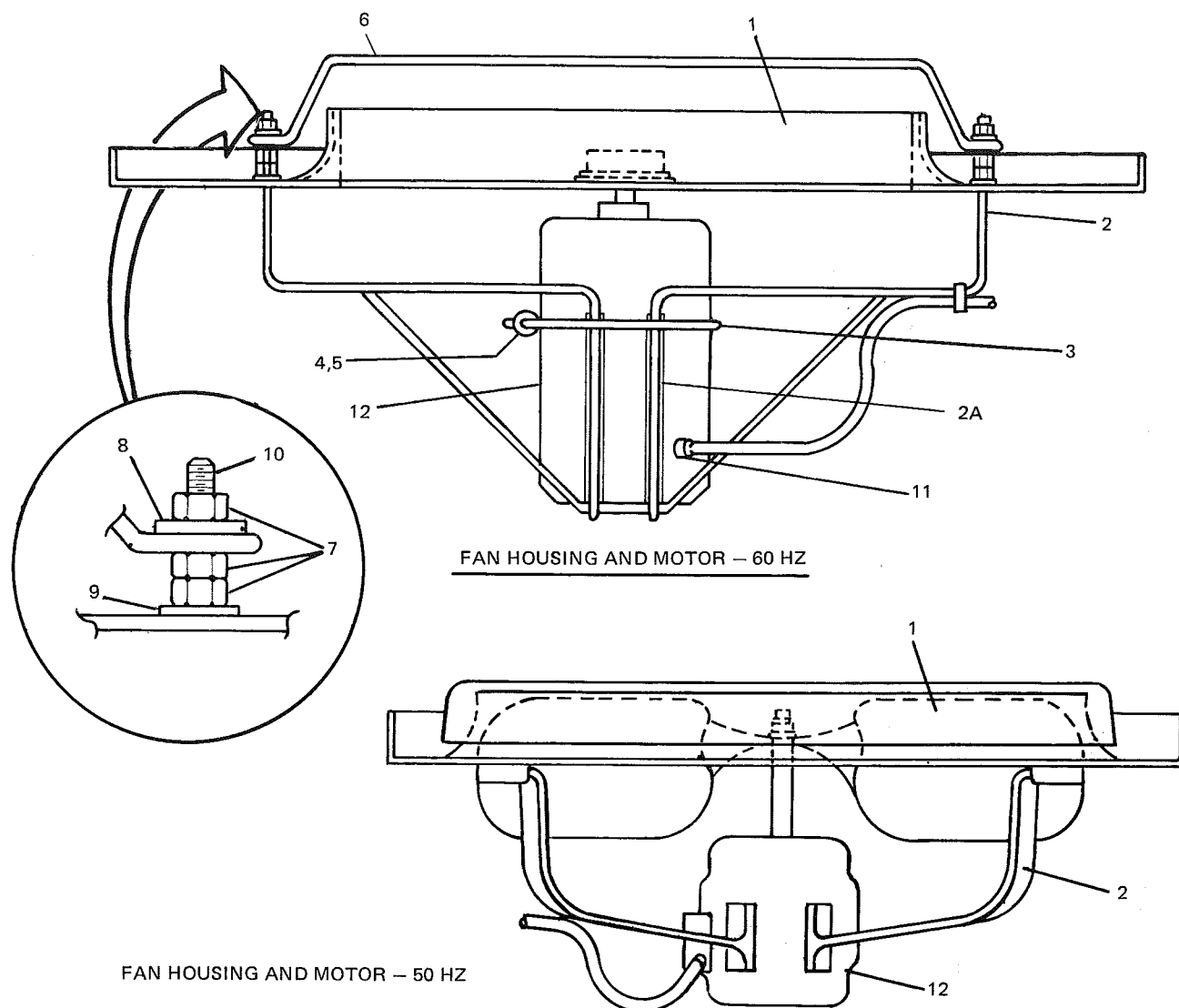
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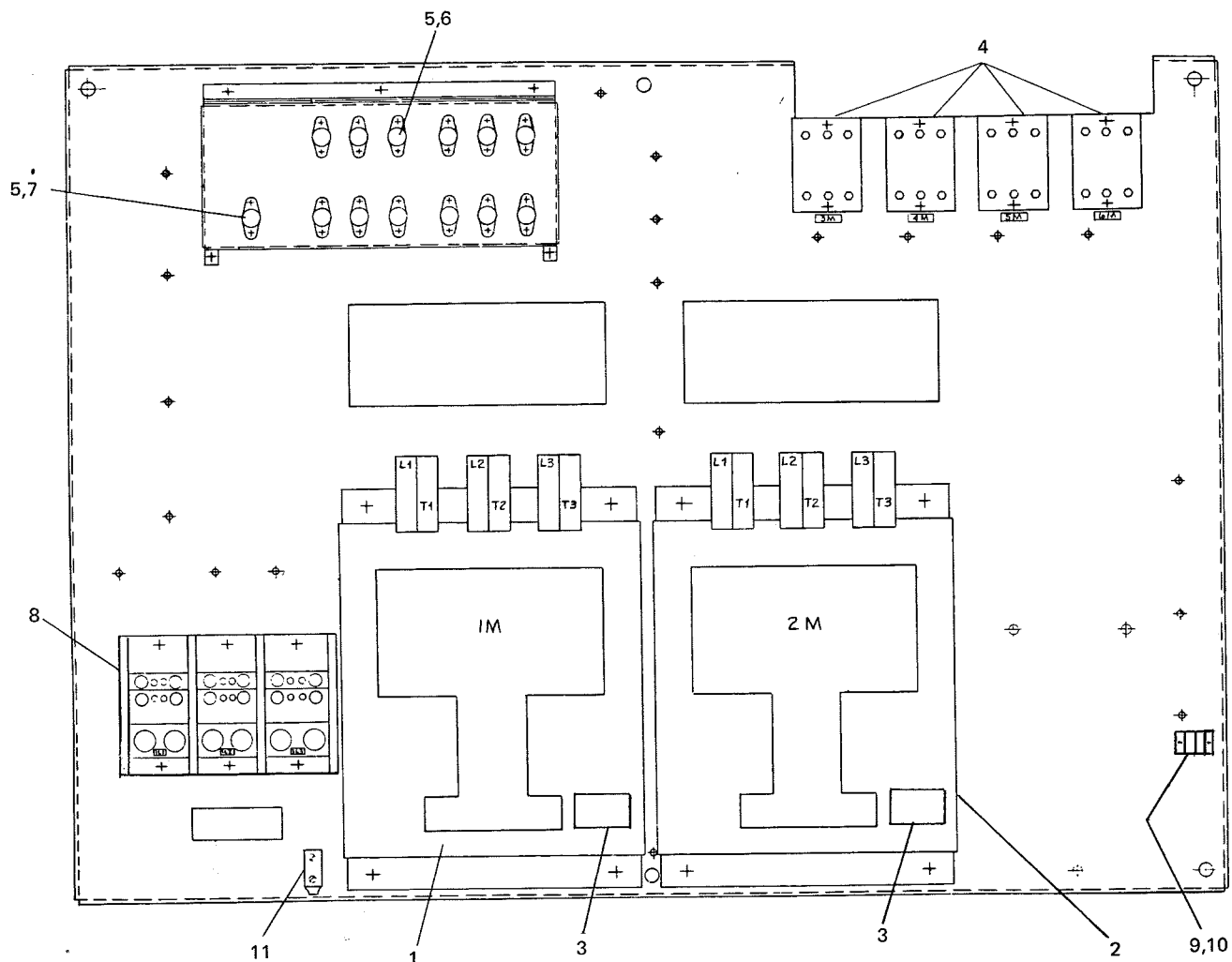
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SECTION I - YCHA 100, STYLE B



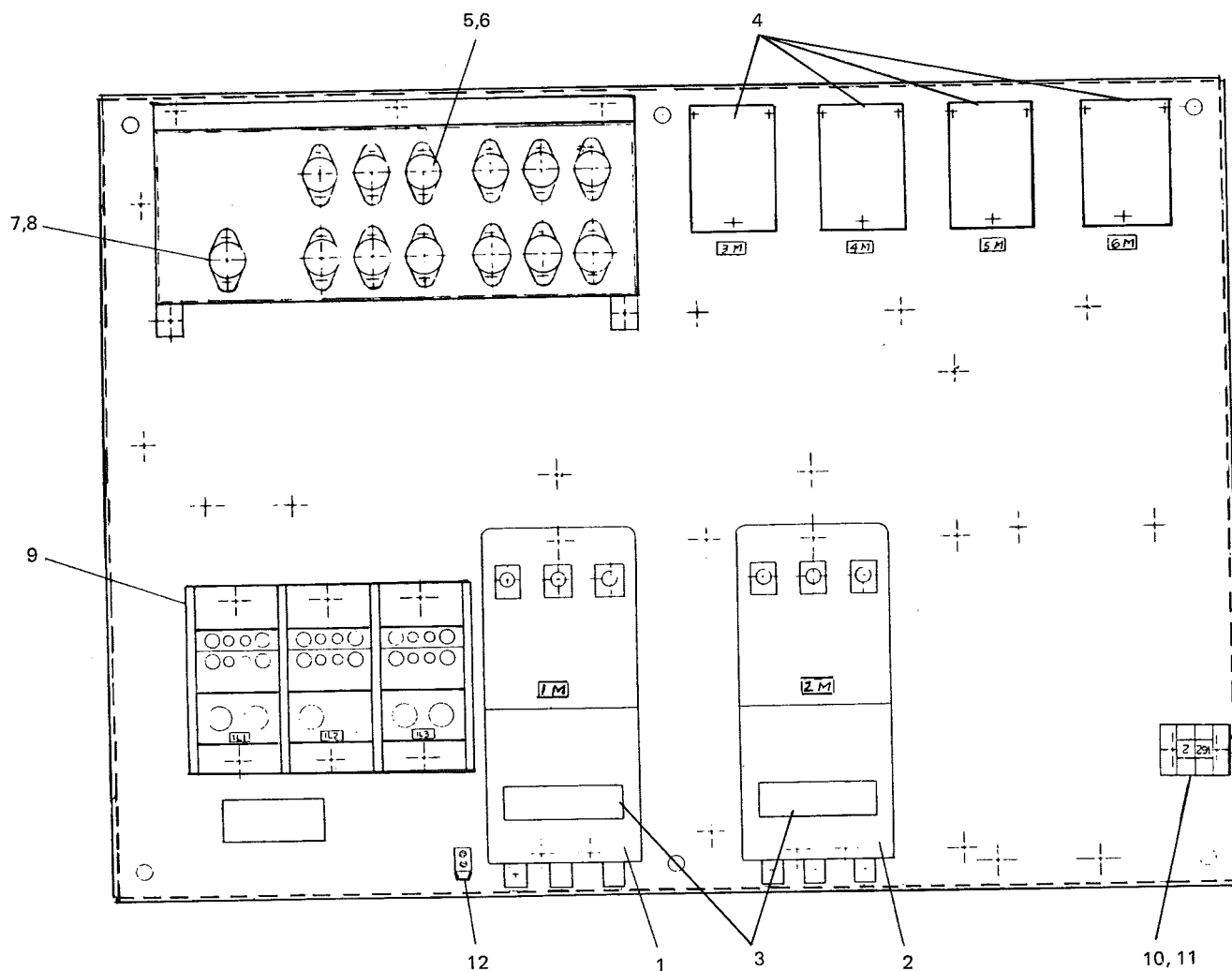
Item No.	Description	Part Number	
		60 HZ	50 HZ
1	Blade, Fan	026-24096	026-28185
2	Support, Motor (Kit)	026-24097	026-28186
2A	Spacer	066-89938	—
3	Clamp	026-25055	—
4	Nut	021-14794-007	—
5	Washer	021-16165	—
6	Guard, Fan	026-24582	026-24582
7	Nut, Hex	021-16139	021-16139
8	Washer, Plain	021-16132	021-16132
9	Washer, Lock	021-16164	027-16158
10	Screw, Cap	—	021-16511
11	Ring, Sealing	025-09613	—
12	Motor, Fan	See Below	024-23163 All Voltages
	200-3-60 (17)	224-21740-001	—
	230-3-60 (28)	224-21740-001	—
	380-3-60 (40)	224-21740-002	—
	460-3-60 (46)	224-21740-002	—

FIG. 1 — FAN COMPONENTS



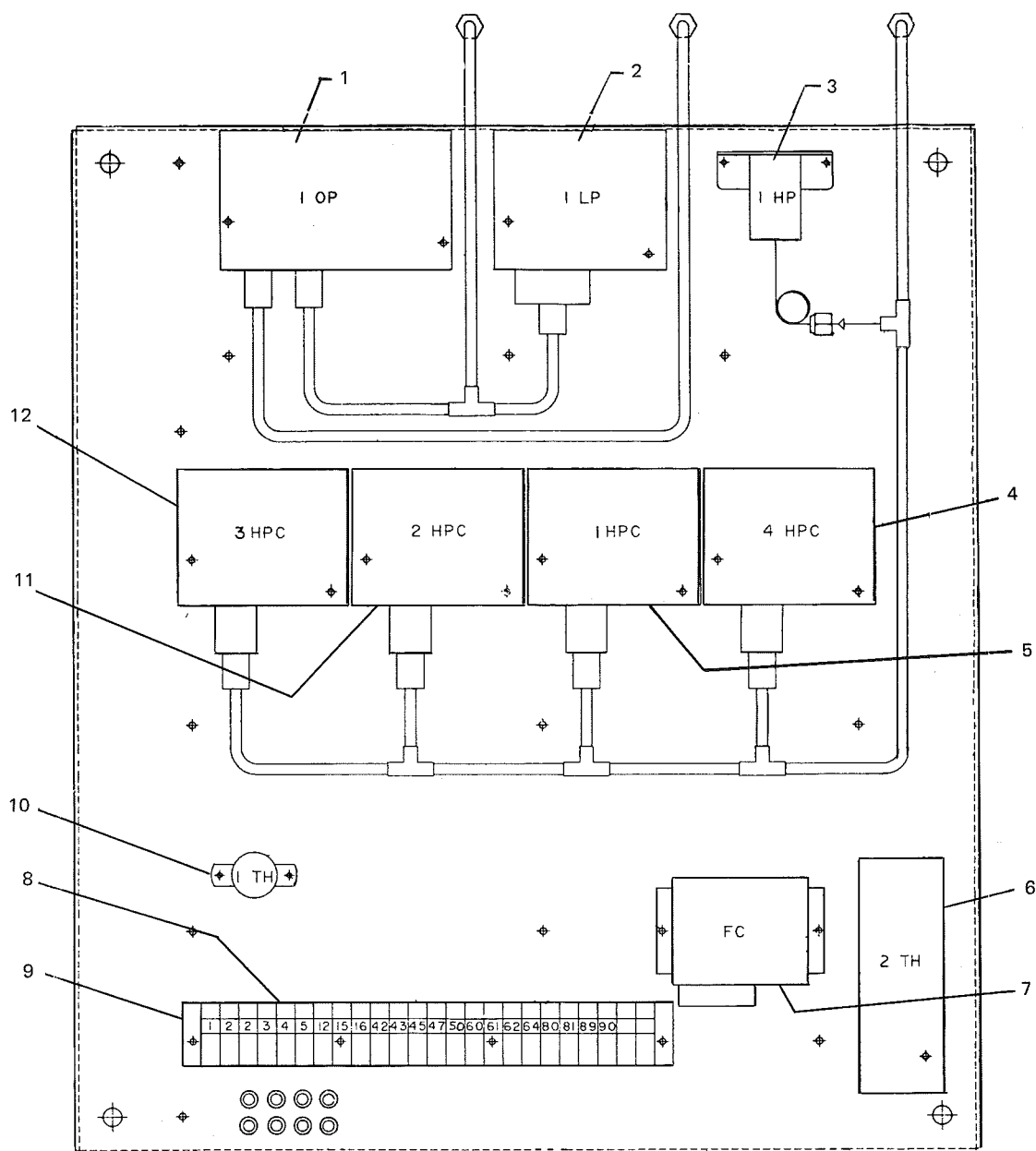
Item No.	Description	Part No.
1	Starter, Motor (270A)	024-19615-002
2	Starter, Motor (270A)	024-19615-001
3	Element, Heater YCHA 100-17B YCHA 100-28B	024-19428 024-19164
4	Contactor (3M, 4M, 5M, 6M)	024-19673
5	Fuseholder	025-20974
6	Fuse 20 AMP	025-23244
7	Fuse 15 AMP	025-21145
8	Block, Terminal	025-23210
9	Block, Terminal	025-20945
10	Block, Terminal End	025-20946
11	Lug Ground	025-19282

FIG. 2 — POWER PANEL — YCHA 100-17B, (200-3-60) & YCHA-100-28B, (230-3-60)



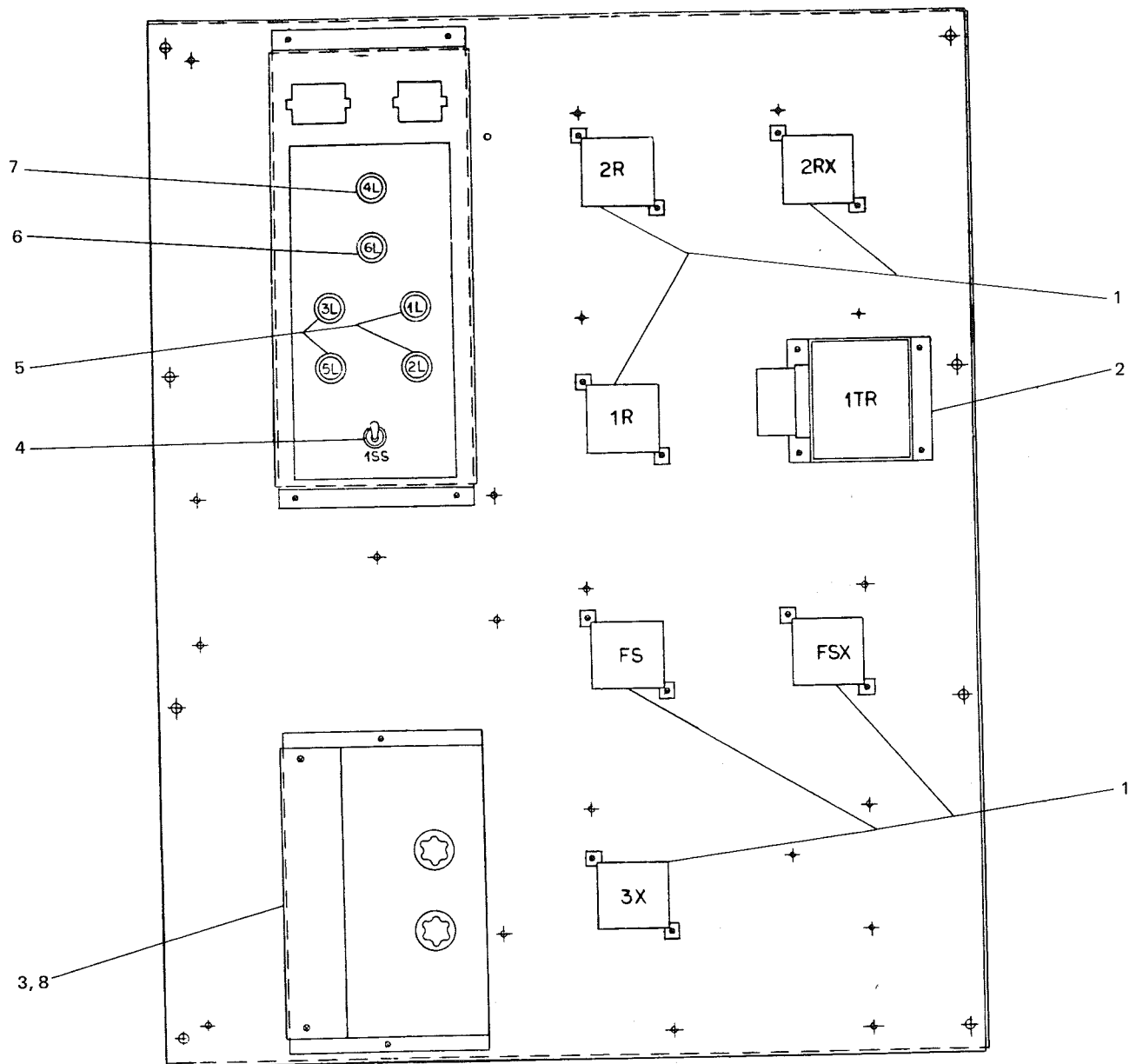
Item No.	Description	Part No.
1	Starter, Motor (120A)	024-20882-003
2	Starter, Motor (120A)	024-20882-001
3	Element Heater (1M, 2M): YCHA 100-40B YCHA 100-46B YCHA 100-50B	024-21796 024-23163 024-21796
4	Contactors (3M, 4M, 5M, 6M)	024-19673
5	Fuseholder: YCHA 100-40B & -46B YCHA 100-50B	025-20974 025-17407
6	Fuse YCHA 100-40B & -46B 10 AMP YCHA 100-50B 7 AMP	025-20977 025-25515
7	Fuseholder	025-17407
8	Fuse 15 AMP	025-21145
9	Block, Terminal	025-23210
10	Block, Terminal	025-20945
11	Block, Terminal End	025-20946
12	Lub Ground	205-19282

FIG. 3 — POWER PANEL — YCHA 100-40B (380-3-60) YCHA 100-46B (460-3-60) & YCHA 100-50B (380/415-3-50)



Item No.	Description	Part No.
1	Control, Pressure (1OP)	025-18927
2	Control, Pressure (1LP)	025-17027-003
3	Control, Pressure (1HP)	025-22634
4	Control, Pressure (4HPC)	025-20057
5	Control, Pressure (1HPC)	025-25112-001
6	Control, Temperature (2TH)	025-16363
7	Control, Freeze (FC)	025-18767
8	Block, Terminal	025-20945
9	Block, Terminal End	025-20946
10	Control, Temperature	025-17622
11	Control, Pressure (2HPC)	025-25112-002
12	Control, Pressure (3HPC)	025-25112-003

FIG. 4 — CONTROL PANEL (INNER)



Item No.	Description	Part No.
1	Relay, Control	024-17093
2	Timer, 1TR	025-20058
3	Control, Temp. (TC-6A)	025-18752
4	Switch, 1SS	024-11737
5	Light, Pilot, Red	025-12095
6	Light, Pilot, Amber	025-13088
7	Light, Pilot, Clear	025-14049
8	Sensor, Temp.	025-17896-002

FIG. 5 — CONTROL PANEL — OUTER

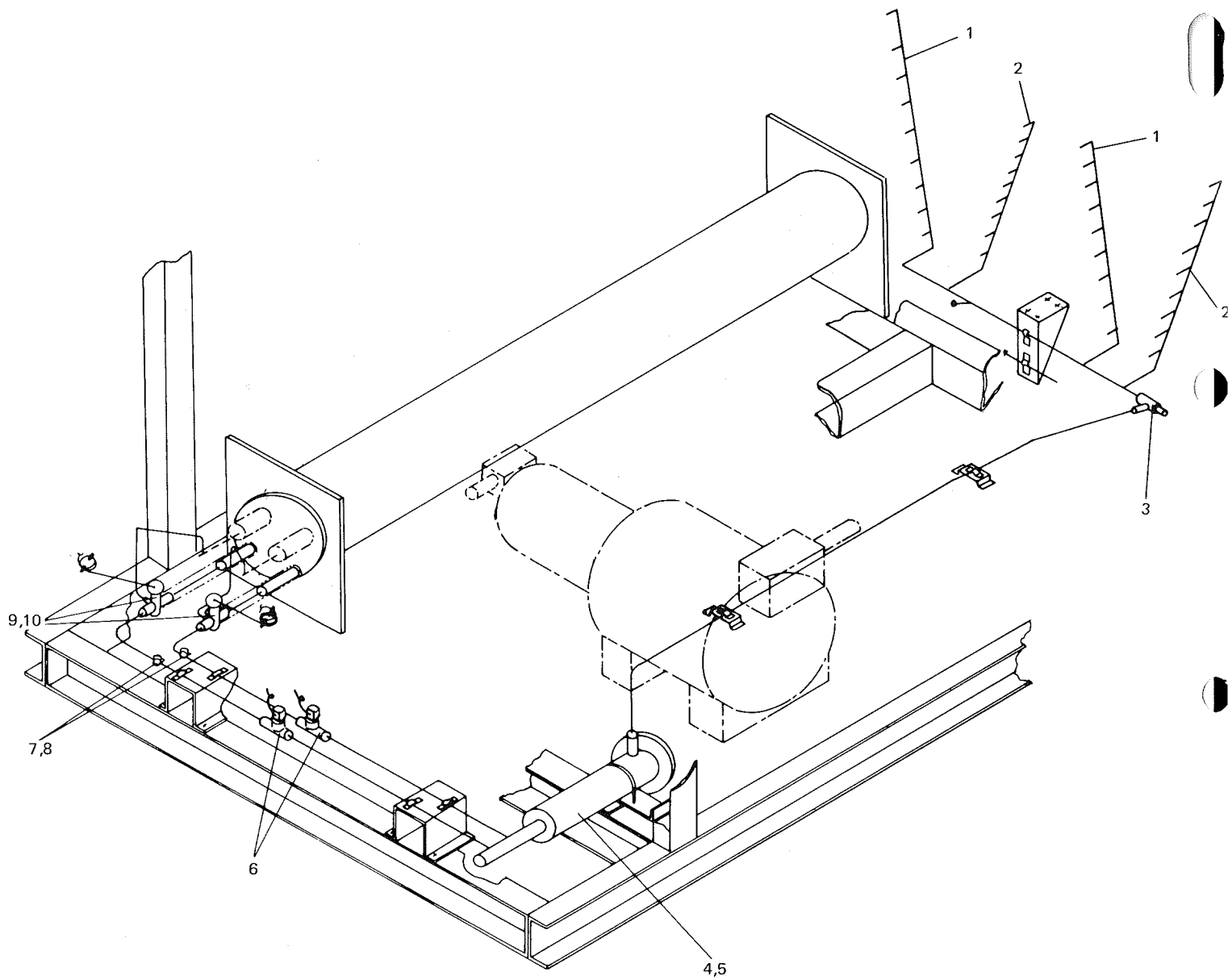
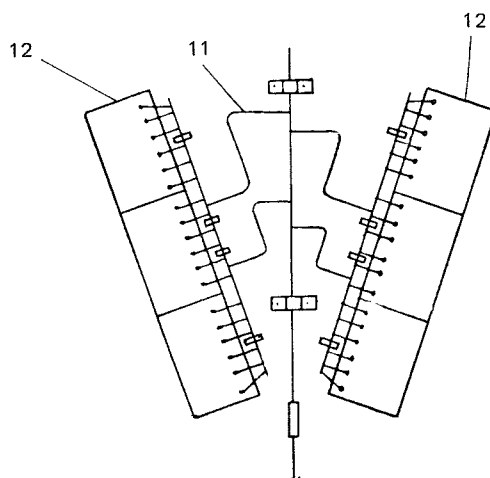


FIG. 6 — REFRIGERANT PIPING COMPONENTS

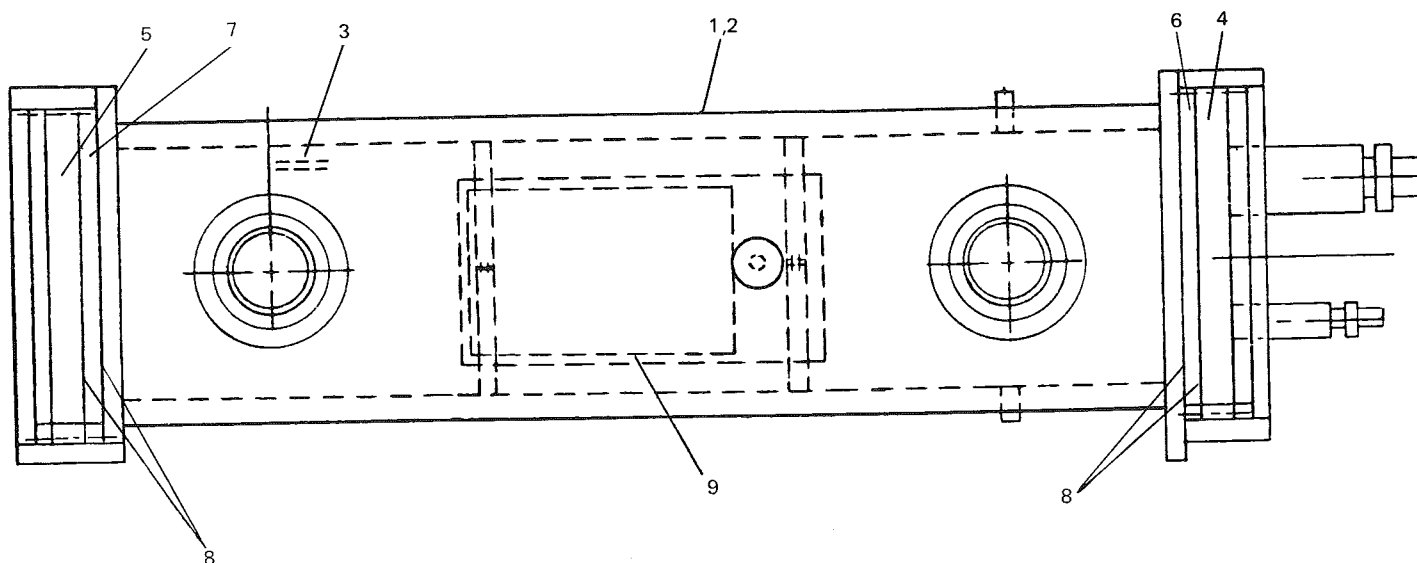


DETAIL A
6 ROW COILS
TYP. 2

Item No.	Description	Part No.
1	Header, Liquid (R.H.)	366-89113
2	Header, Liquid (L.H.)	366-89112
3	Valve, Liquid Stop	022-03044
4	Dehydrator, Body	026-16960
5	Dehydrator, Cartridge (3 Req'd.)	026-18328
6	Valve, Liquid Solenoid	025-20068
7	Body, Moisture Indicator	026-20147
8	Cap Assembly, Moisture Indicator	026-16958
9	Valve, Thermal Expansion	025-23211
10	TXV Power Assembly Kit	025-21960
11	Header, Disch.	366-89109
12	Coil, 6 Row (12 Per Unit)	366-88349
*	Compressor Crankcase Heater	025-10462
*	Compressor Capacity Control Solenoid (3 Req'd.)	025-16572-005

*Not Shown

FIG. 6 — REFRIGERANT PIPING COMPONENTS



Item No.	Description	Part No.
1	Cooler, Complete (Includes Insulation & Heaters)	366-89099
2	Cooler, Less Insulation & Heaters	366-88927
3	Tube (318 Total Required)	007-06743-002
4	Head, Connection End	366-87808
5	Head, Back End	366-87767
6	Baffle, Pass, Connection End	366-87775
7	Baffle, Pass, Back End	066-87773
8	Gasket, Pass Baffle & Head	066-87777
9	Heater	025-22690
	Insulation (3/4" x 32" x 49") (4 Sheets Required/Cooler)	010-04198

FIG. 7 — COOLER COMPONENTS

ACCESSORIES

Item No.	Description	Part No.
1	Gauge, Discharge Pressure	026-24597
2	Gauge, Suction Pressure	026-24596
3	Gauge, Oil Pressure	026-24596
4	Valve, Gauge Kit, Complete	022-04302 466-89577

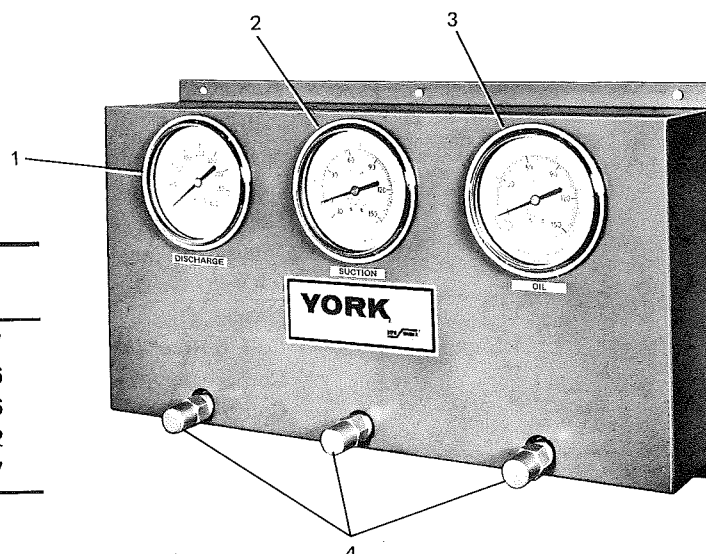
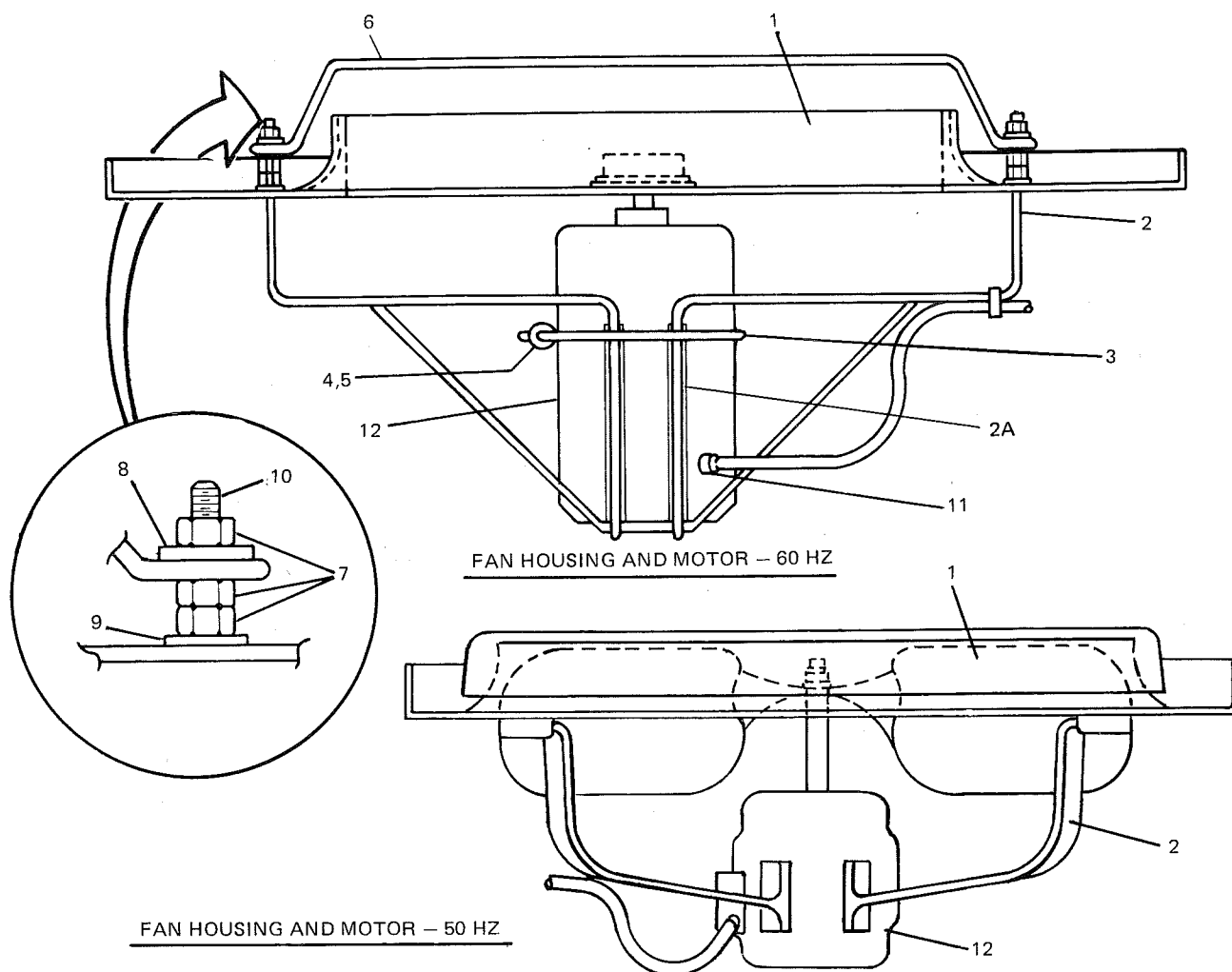


FIG. 8 — GAUGE KIT

CONTROL TRANSFORMERS

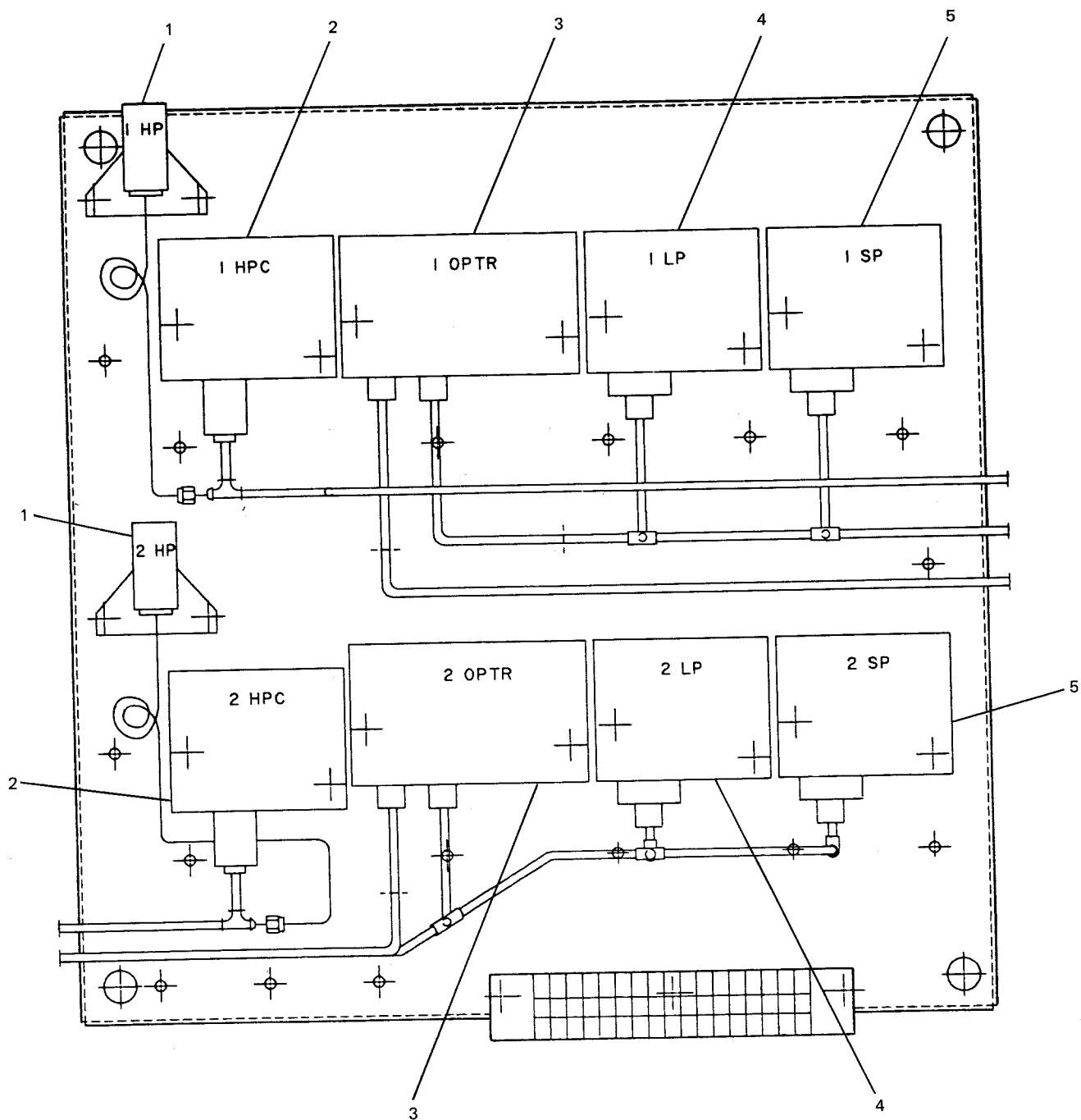
Primary Voltage	Part No.
200-3-60 (-17)	025-12809
230-3-60 (-28)	025-15368
380-3-60 (-40)	025-16802
460-3-60 (-46)	025-15368
380/415-3-50 (-50)	025-16802

SECTION II YCHA 120, YCHA 150, YCHA 175 & YCHA 200 STYLE B



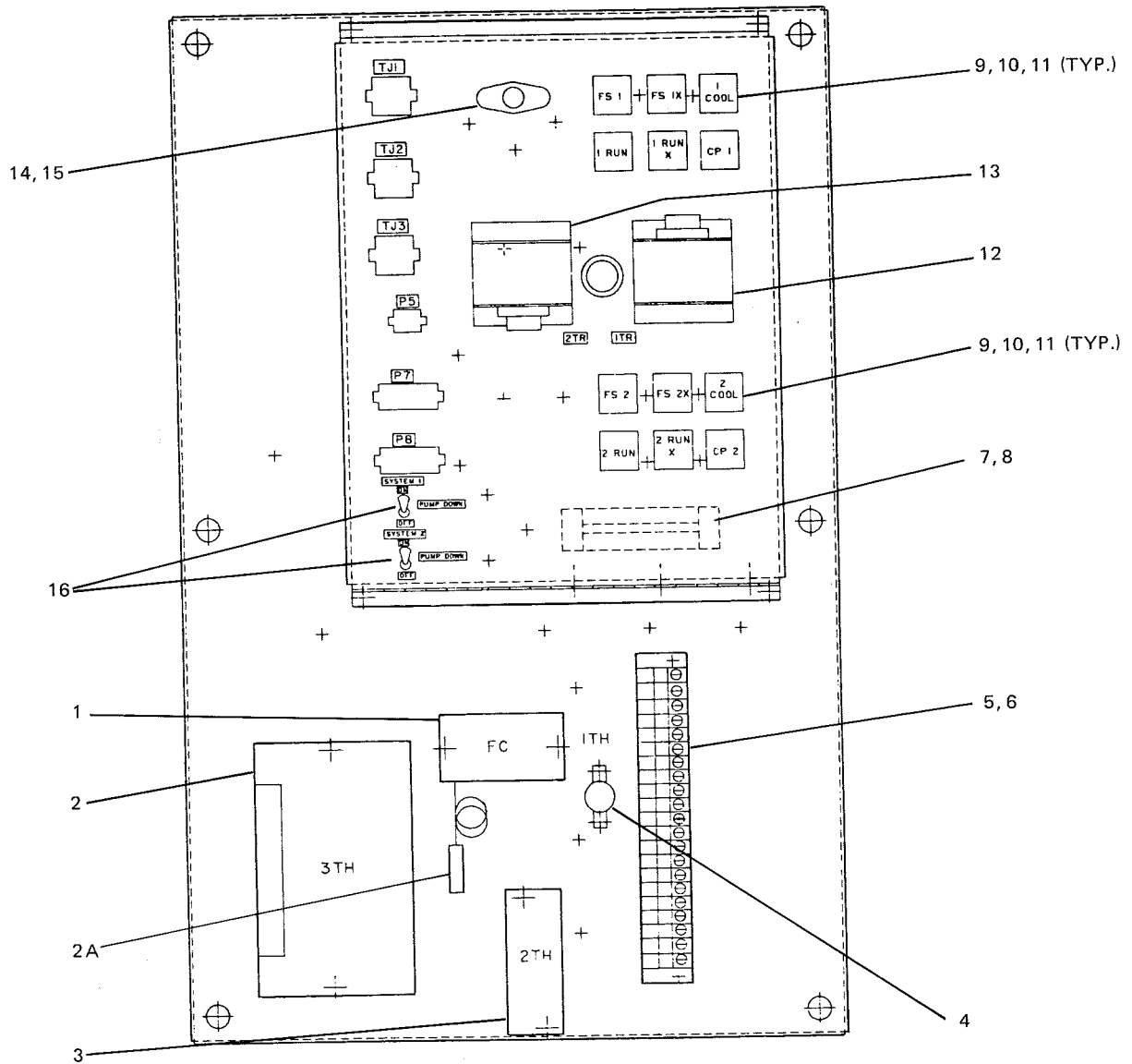
Item No.	Description	Part Number	
		60 HZ	50 HZ
1	Blade, Fan	026-24096	026-28185
2	Support, Motor (Kit)	026-24097	026-28186
2A	Spacer	066-89938	—
3	Clamp	026-25055	—
4	Nut	021-14794-007	—
5	Washer	021-16165	—
6	Guard, Fan	026-24582	026-24582
7	Nut, Hex	021-16139	021-16139
8	Washer, Plain	021-16132	021-16132
9	Washer, Lock	021-16164	027-16158
10	Screw, Cap	—	021-16511
11	Ring, Sealing	025-09613	—
12	Motor, Fan	See Below	024-23163 All Voltages
	200-3-60 (17)	224-21740-001	—
	230-3-60 (28)	224-21740-001	—
	380-3-60 (40)	224-21740-002	—
	460-3-60 (46)	224-21740-002	—

FIG. 9 — FAN COMPONENTS



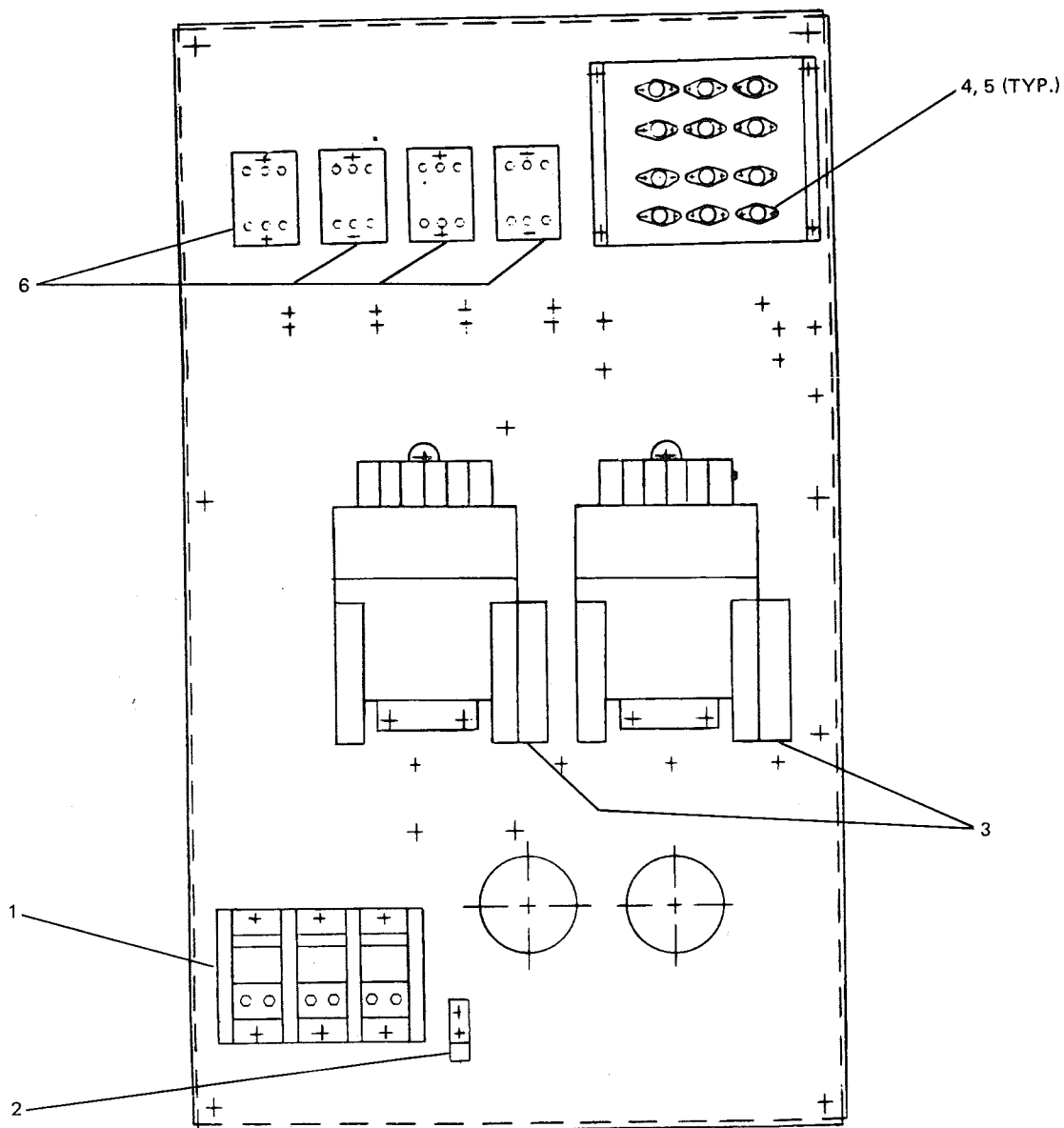
Item No.	Description	Part No.
1	Control, Pressure, 1 HP & 2 HP	025-22634
2	Control, Pressure, 1 HPC, 2 HPC	025-20057
3	Control, Pressure, 1 OPTR, 2 OPTR	025-18927
4	Control, Pressure, 1 LP, 2 LP	025-17027-003
5	Control, Pressure, 1 SP, 2 SP	025-17027-004

FIG. 10 — PRESSURE CONTROL PANEL



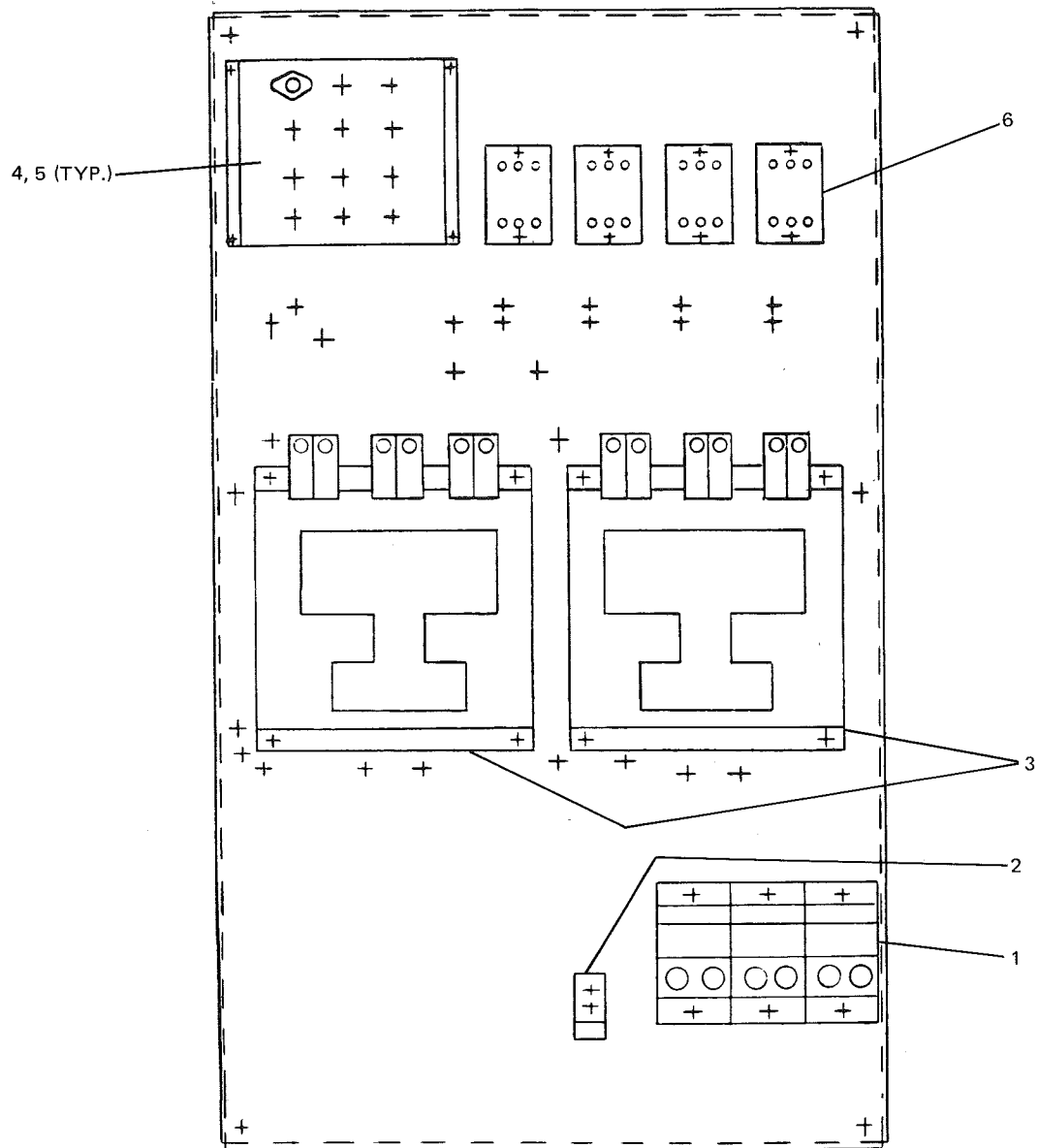
Item No.	Description	Part No.
1	Control, Temp. (FC)	025-18767
2	Control, Temp. (3TH)	025-18752
2A	Probe (for 3TH)	025-17896-002
3	Control, Temp., Low Amb. (2TH)	025-16363
4	Control, Temp. (1TH)	025-17622
5	Block, Term. Base (21 Req'd.)	025-20945
6	Block, Term. End (1 Req'd.)	025-20946
7	Block, Term. (15 Req'd.)	025-20944
8	Block, Term. End (1 Req'd.)	025-20946
9	Relay, Control (1 Cool, 2 Cool, FS1X, FS2X, FS1, FS2, 1 Run, 2 Run, 1 Run X, 2 Run X, CP1, CP2)	024-20089
10	Recep., Relay (For Item 9)	025-19688
11	Retainer, Relay (For Item 9)	024-19056
12	Timer (1TR)	025-20058
13	Timer (2TR)	025-20059
14	Fuse	025-21145
15	Fuseholder	025-20974
16	Switch	024-11737

FIG. 11— LOGIC CONTROL PANEL



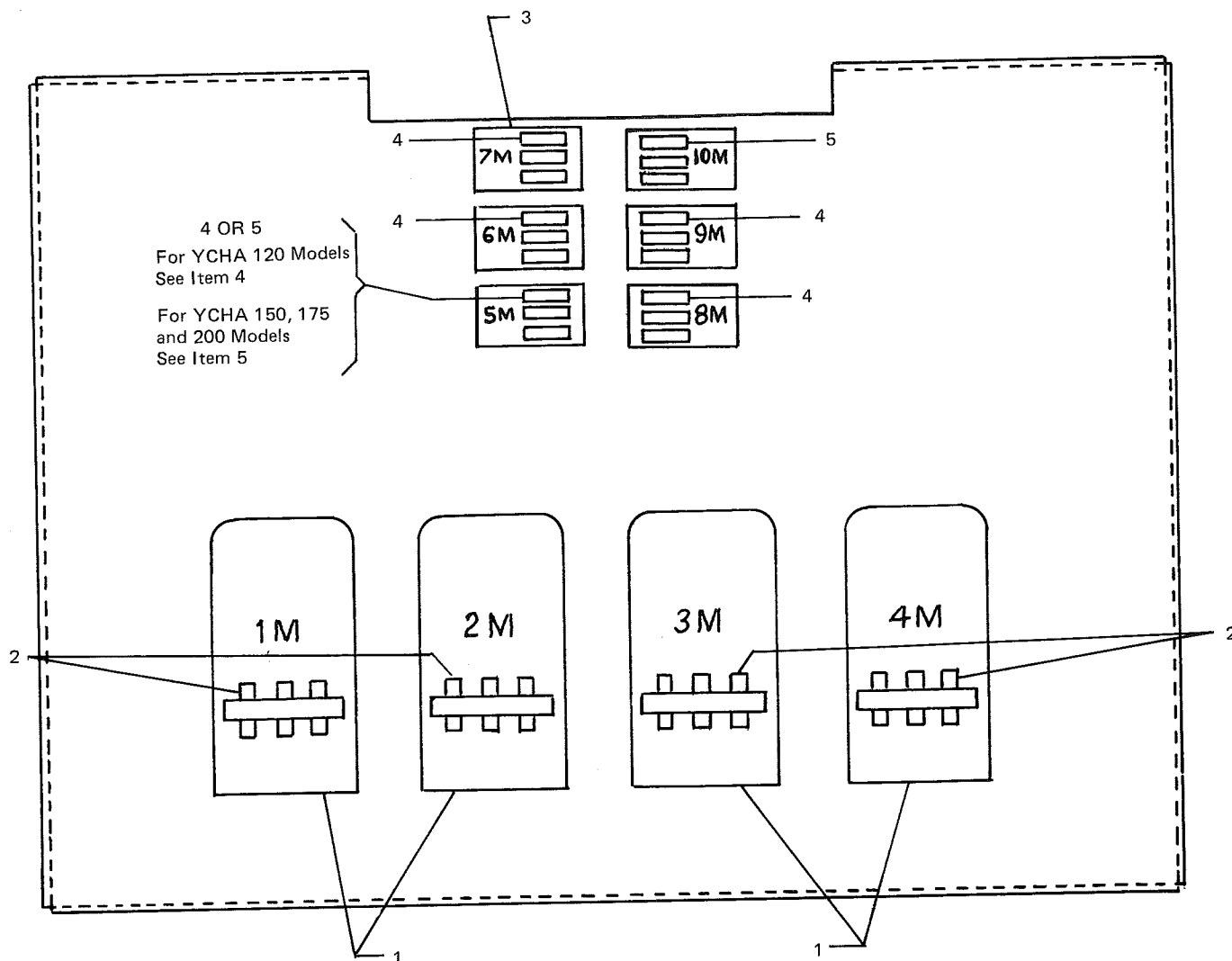
Item No.	Description	Part No.
1	Block Terminal	025-23210
2	Lug, Grounding	025-19282
3	Starter, Motor (1M, 2M) YCHA 150, 175 (180A) YCHA 200 (270A)	024-19369-003 024-19615-003
For Item 3	Overload Heater Element:	
	YCHA 200-3-60 (17)	024-19505
	120 230-3-60 (28)	024-19506
	YCHA 200-3-60 (17)	024-23161
	150 230-3-60 (28)	024-19506
	YCHA 200-3-60 (17)	024-23161
	175 230-3-60 (28)	024-19506
	YCHA 200-3-60 (17)	024-19428
	200 230-3-60 (28)	024-19164
4	Fuse	025-23244
5	Fuseholder	025-20974
6	Contactors	024-19673

FIG. 12 — POWER PANEL, YCHA 150, 175, 200, 200-17B & 230-28B VOLT UNITS — SYSTEM #1



Item No.	Description		Part No.
1	Block Terminal		025-23210
2	Lug, Grounding		025-19282
3	YCHA 150	180A Starter, Motor (3M, 4M)	024-19367-003
	YCHA 175 & 200	270A	024-19615-003
For Item 3	Overload Heater Element:		
	YCHA 200-3-60 (17)		024-23161
	120 230-3-60 (28)		024-19506
	YCHA 200-3-60 (17)		024-23161
	150 230-3-60 (28)		024-19506
	YCHA 200-3-60 (17)		024-19428
	175 230-3-60 (28)		024-19164
	YCHA 200-3-60 (17)		024-19428
	200 230-3-60 (28)		024-19164
4	Fuse		025-23244
5	Fuseholder		025-20974
6	Contactor		024-19673

FIG. 13 — POWER PANEL, YCHA 150, 175, 200, 200-17B & 230-28B VOLT UNITS — SYSTEM #2



YCHA 120-17B & 28B

Item No.	Description	Part No.
1	Starter Motor 150 AMP (1M, 2M, 3M, 4M)	024-20882-004
2	Element, Heater: YCHA 120-17 (1M, 2M) YCHA 120-17 (3M, 4M) YCHA 120-28 (1M, 2M) YCHA 120-28 (3M, 4M)	024-19506 024-23161 024-19605 024-19506
3	Contactor Control	025-25115-001
4	Fuse (20 AMP)	025-23244
5	Fuse (30 AMP)	025-25514

FIG. 14 — POWER PANEL — YCHA 120-17B, -28B, -40B, -46B, -50B,
YCHA 150, 175, 200, 380-40B, 460-46B & 380-50B/415 VOLT UNITS

YCHA 120-40B, 46B & 50B

Item No.	Description	Part No.
1	Starter, Motor (1M, 2M):	
	YCHA 120-40B 75 AMP	024-19373-003
	YCHA 120-46B	
	YCHA 120-50B 90 AMP	024-19373-004
	Starter, Motor (3M, 4M):	
2	YCHA 120-40B 90 AMP	024-19373-004
	YCHA 120-46B	
	YCHA 120-50B 120 AMP	024-20882-005
	Element, Heater (1M, 2M):	
	YCHA 120-40B	024-19629
3	YCHA 120-46B	024-23503
	YCHA 120-50B	024-19629
	Element, Heater (3M, 4M)	
	YCHA 120-40B	024-19502
	YCHA 120-46B	024-19507
4	YCHA 120-50B	024-19502
	Contactor, Control	025-25115-001
	Fuse	
	YCHA 120-40B 10 AMP	025-20977
	YCHA 120-46B	
5	YCHA 120-50B 7 AMP	025-25515
	Fuse	
	YCHA 120-40B 15 AMP	025-21145
	YCHA 120-46B	
	YCHA 120-50B 15 AMP	025-25516

YCHA 175-40B, -46B, & -50B

Item No.	Description	Part No.
1	Starter, Motor (1M, 2M):	
	YCHA 175-40B 90 AMP	024-19373-004
	YCHA 175-46B	
	Starter, Motor (3M, 4M):	
	YCHA 175-40B 120 AMP	024-20882-005
2	YCHA 175-46B	
	Starter, Motor (1M, 2M, 3M, 4M):	
	YCHA 175-50B 120 AMP	024-20882-005
	Element, Heater (1M, 2M):	
	YCHA 175-40B	024-19502
3	YCHA 175-46B	024-19507
	YCHA 175-50B	024-19502
	Element, Heater (3M, 4M):	
	YCHA 175-40B	024-21796
	YCHA 175-46B	024-23162
4	YCHA 175-50B	024-21796
	Contactor, Control	025-25115-001
	Fuse:	
	YCHA 175-40B & -46B	025-20977
	YCHA 175-50B (10 AMP)	025-25515
5	Fuse:	
	YCHA 175-40B & 46B	025-21145
	YCHA 175-50B (15 AMP)	025-25516

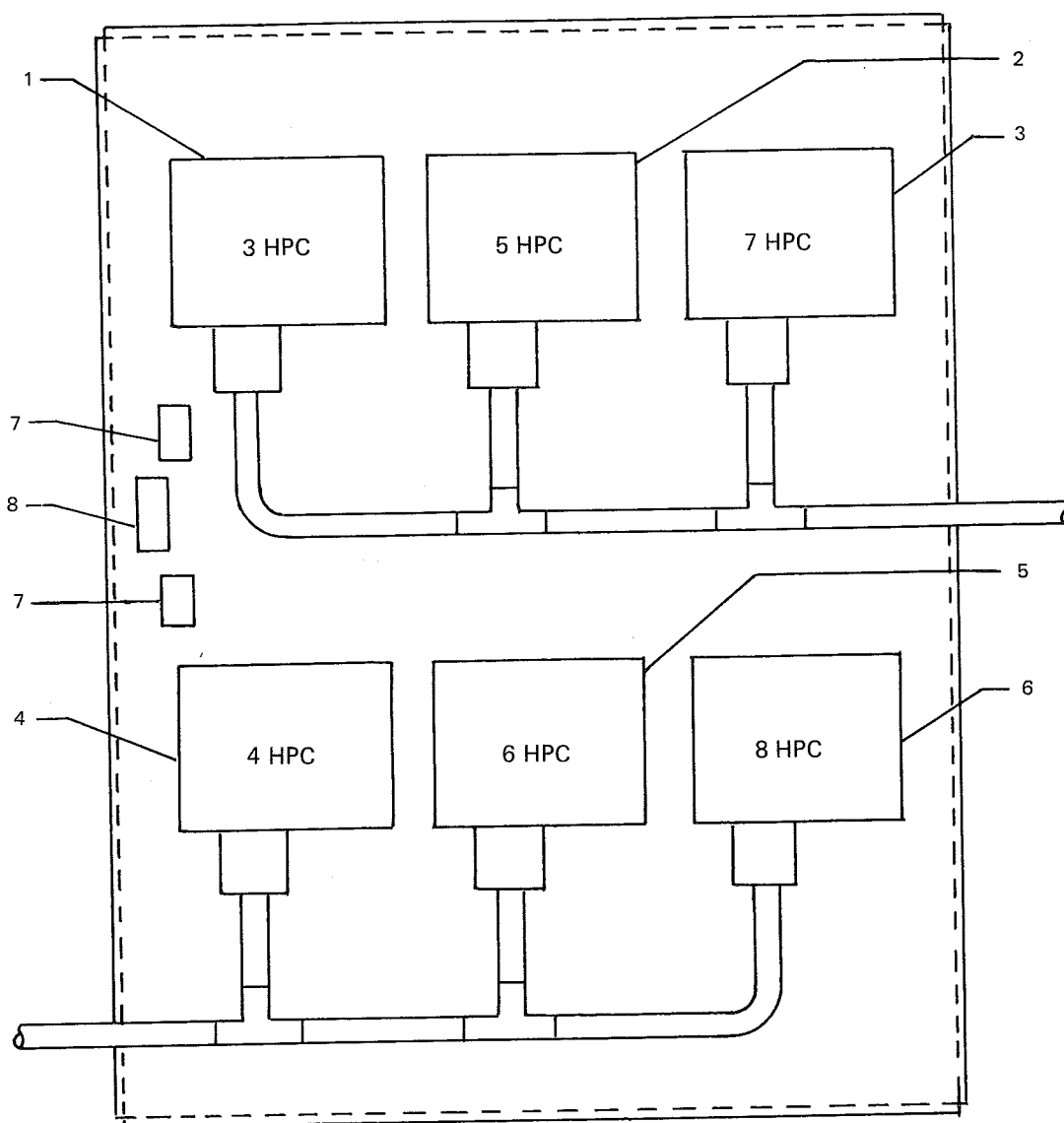
YCHA 150-40B, 46B & 50B

Item No.	Description	Part No.
1	Starter, Motor (1M, 2M, 3M, 4M):	
	YCHA 150-40B 90 AMP	024-19373-004
	YCHA 150-46B	
	YCHA 150-50B 120 AMP	024-20882-005
	Element, Heater (1M, 2M, 3M, 4M):	
2	YCHA 150-40B	024-19502
	YCHA 150-46B	024-19507
	YCHA 150-50B	024-19502
	Contactor, Control	025-25115-001
	Fuse:	
3	YCHA 150-40B & 46B	025-20977
	YCHA 150-50B (10 AMP)	025-25515
	Fuse:	
	YCHA 150-40B & 46B	025-21145
	YCHA 150-50B (15 AMP)	025-25516

YCHA 200-40B, 46B, & 50B

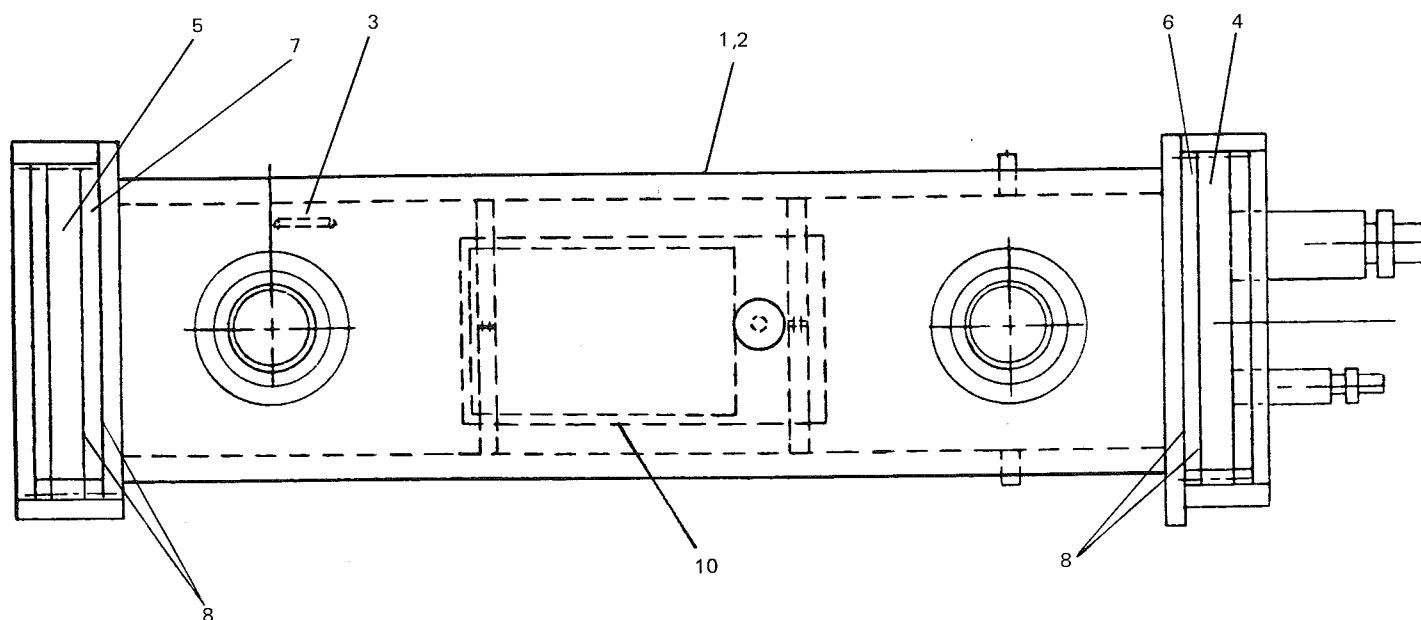
Item No.	Description	Part No.
1	Starter, Motor (1M, 2M, 3M, 4M): 120 AMP	024-20882-005
2	Element, Heater (1M, 2M, 3M, 4M):	
	YCHA 200-40B	024-21796
	YCHA 200-46B	024-23162
	YCHA 200-50B	024-21796
	Contactor, Control	025-25115-001
3	Fuse:	
	YCHA 200-40B 10 AMP	025-20977
	YCHA 200-46B	
	YCHA 200-50B 7 AMP	025-25515
	Fuse:	
4	YCHA 200-40B 15 AMP	025-21145
	YCHA 200-46B	
	YCHA 200-50B 15 AMP	025-25516

FIG. 14 — POWER PANEL — 380-40B, 460-46B & 380-50B/415 VOLT UNITS (Continued)



Item No.	Description		Part No.
1	Control, Pressure 3HPC	System One	025-25112-001
2	Control, Pressure 5HPC		025-25112-002
3	Control, Pressure 7HPC		025-25112-003
4	Control, Pressure 4HPC	System Two	025-25112-001
5	Control, Pressure 6HPC		025-25112-002
6	Control, Pressure 8HPC		025-25112-003
7	Receptacle (2 Pin)		025-21159
8	Receptacle (9 Pin)		025-21191

FIG. 15 — LOW AMBIENT CONTROL PANEL



Item No.	Description	YCHA 120	YCHA 150	YCHA 175	YCHA 200
1	Cooler, Complete (Includes Insulation & Heaters)	366-90489	366-89965	366-88050	366-90134
2	Cooler, Less Insulation & Heaters	366-90465	366-87649	366-87636	026-27444
3	Tube	007-06743-004 (388 Required)	007-06743-004 (528 Required)	007-06743-004 (528 Required)	—
4	Head, Connection End	366-87741	366-87602	366-87602	—
5	Head, Back End	366-87740	366-87596	366-87596	—
6	Baffel, Pass, Connection End	366-87743	366-87714	366-87621	—
7	Baffel, Pass, Back End	066-87751	066-87713	066-87634	—
8†	Gasket, Pass Baffel & Head	066-87750	066-87637	066-87637	028-10942
9*	Heater	—	—	—	025-22691 (2 Req'd)
10	Heater (3" x 48") Heater (4-5/8" x 48")	025-22690 —	025-22690 025-22691	025-22690 025-22691	— —
11*	Insulation 3/4" x 42" x 68"	010-04198 (3 Sheets)	010-04198 (5 Sheets)	010-04198 (5 Sheets)	010-04198 (6 Sheets)

†Use when replacing gasket (Item 8):

Sealer, Gasket 013-02827

Primer 013-01753

* Not Shown

FIG. 16 — COOLER COMPONENTS

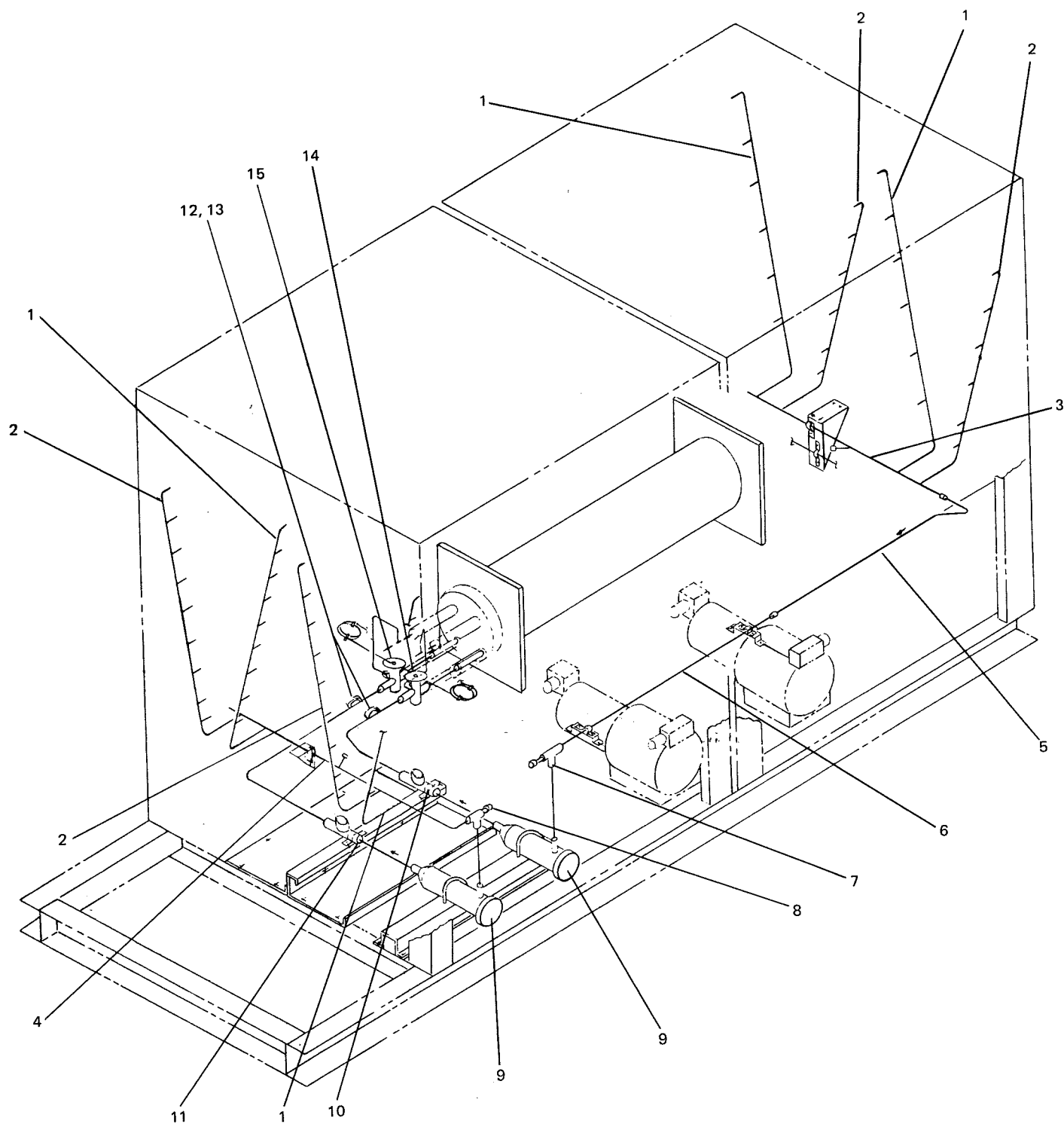
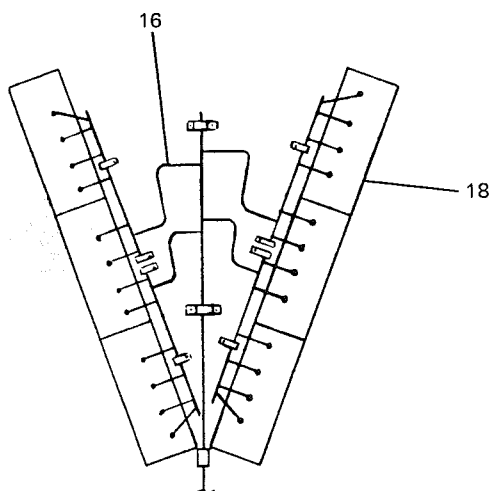
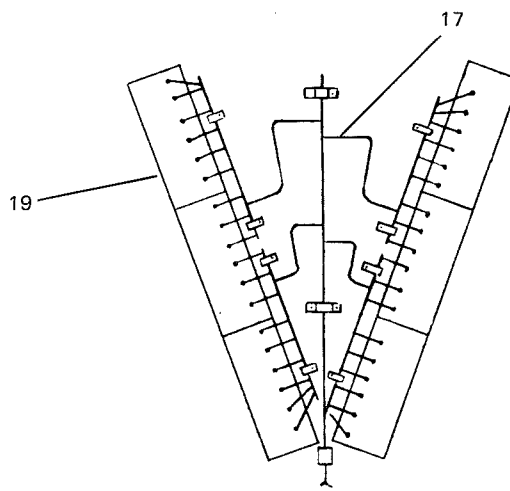


FIG. 17 — REFRIGERANT PIPING COMPONENTS



TYPICAL 4 ROW COIL CONFIGURATION



TYPICAL 6 ROW COIL CONFIGURATION

COIL *	YCHA 120		YCHA 150		YCHA 175		YCHA 200	
	SYS. 1	SYS. 2	SYS. 1	SYS. 2	SYS. 1	SYS. 2	SYS. 1	SYS. 2
4-ROW	X	X	X	X	X			
6-ROW						X	X	X

*See Items 18 and 19 for Part Nos.

Item No.	Description	YCHA 120	YCHA 150	YCHA 175	YCHA 200
1	Header, Liquid (Systems 1 & 2)	366-89111	366-89111	366-89111	366-89113
2	Header, Liquid (Systems 1 & 2)	366-89110	366-89110	366-89110	366-89112
3	Header, Liquid (System 1)	366-90415	366-88571	366-88571	366-89197
4	Header, Liquid (System 2)	366-89946	366-89946	366-88570	366-88570
5	Connection, Liquid (System 1)	066-88578	066-88578	066-88578	066-90289
6	Connection, Liquid (System 1)	066-88572	066-88572	066-88572	066-90283
7	Valve, Liquid Stop (System 1)	022-03043	022-03043	022-03043	024-03044
8	Valve, Liquid Stop (System 2)	022-03043	022-03043	022-03044	024-03044
9	Cartridge, Dehydrator	026-18328	026-18328	026-18328	026-18328
10	Valve Solenoid (System 1)	025-20068	025-20068	025-20068	025-23214
11	Valve Solenoid (System 2)	025-20068	025-20068	025-23214	025-23214
12	Body, Moisture Indicator	026-20147	026-20147	026-20147	026-20147
13*	Cap Ass'y, Moisture Indicator	026-16958	026-16958	026-16958	026-16958
14	Valve, Thermal Exp. (System 1)	025-23211	025-21955	025-21955	025-25944
14A*	TXV Power Ass'y Kit (System 1)	025-21960	025-21960	025-21960	025-25999
15	Valve, Thermal Exp. (System 2)	025-21955	025-21955	025-25944	025-25944
15A*	TXV Power Ass'y Kit (System 2)	025-21960	025-21960	025-25999	025-25999
16	Header Disch.	366-89108	366-89108	366-89108	—
17	Header Disch.	366-90420	—	366-89109	366-89109
18	Coil, 4 Row	366-88348	366-88348	366-88348	—
19	Coil, 6 Row	—	—	366-88349	366-88349
*	Compr. Crankcase Heater	025-10462	025-10462	025-10462	025-10462
*	Compr. Crankcase Control Solenoid (2 Per Compressor)†	025-16572-005			

*Not Shown

†1 for YCHA 120 4 cylinder — System #1

FIG. 17 — REFRIGERANT PIPING COMPONENTS (Continued)

ACCESSORIES

Item No.	Description	Part No.
1	Gauge, Discharge Pressure	026-24597
2	Gauge, Suction Pressure	026-24596
3	Gauge, Oil Pressure	026-24596
4	Valve, Gauge Kit, Complete	022-04302 466-89577

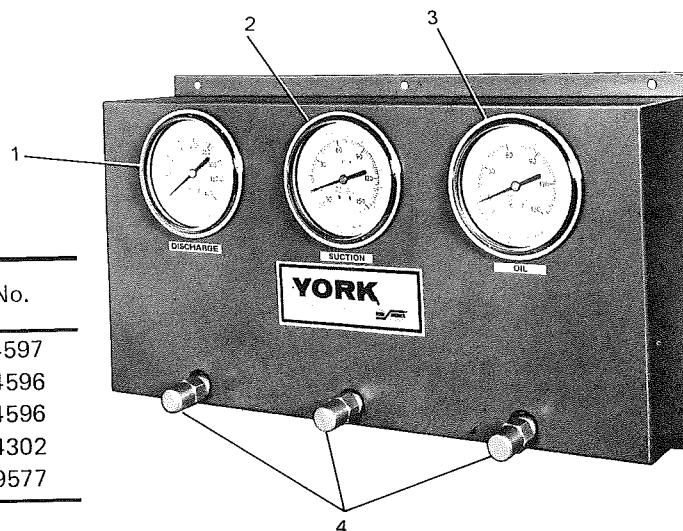


FIG. 18 — GAUGE KIT

Item No.	Description	Part No.
1	Panel, Mounting	066-89732
2	Light, Clear	025-14049
3	Light, Amber	025-13088
4	Light, Red	025-12095
	Kit, Complete	466-89933

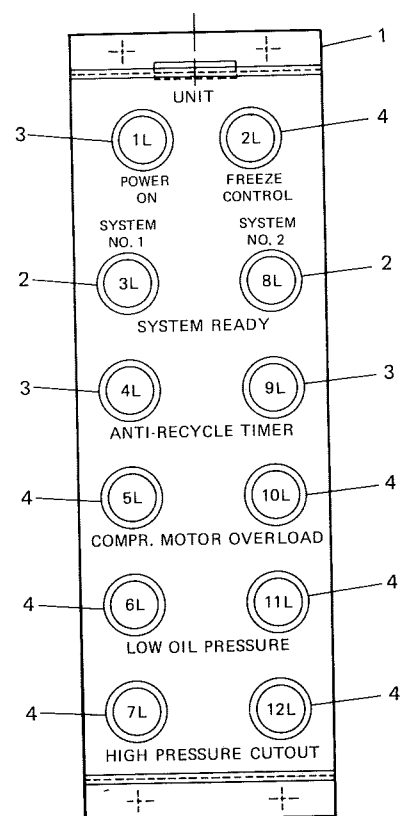


FIG. 19 — INDICATOR LIGHT KIT

CONTROL TRANSFORMERS

Primary Voltage	Part No.
200-3-60 (-17)	025-12809
230-3-60 (-28)	025-15368
380-3-60 (-40)	025-16802
460-3-60 (-46)	025-15368
380/415-3-50 (-50)	025-16802

REPLACEMENT COMPRESSOR MODEL NUMBERS

YCHA		100	120	150	175	200
60 HZ	SYS. 1	JS83CS	JS43CM	JS63CP	JS63CP	JS83CS
	SYS. 2		JS63CP	JS63CP	JS83CS	JS83CS
50 HZ	SYS. 1	JS84CT	JS44CP	JS64CS	JS64CS	JS84CT
	SYS. 2		JS64CS	JS64CS	JS84CT	JS84CT

**York
International
Corporation**

**Applied
Systems**

**Post Office
Box
1592-36BE**

**York
Pennsylvania
17405-1592**

**Telephone
717 771 7890**

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FORM 150.40-RP15(585)

Description	Part No.	Number of Units Installed					Applicable to Voltage Codes				
		1	2	3	4	5					
		Number of Recommended Spares					17	28	40	46	50
Blade Fan — YCHA100-200	026-24096		1	1	1	1	X	X	X	X	
Blade, Fan — YCHA100-200	026-28185		1	1	1	1					X
Support, Motor — YCHA100-200	026-24097		1	1	1	1	X	X	X	X	
Support, Motor — YCHA100-200	026-28186		1	1	1	1					X
Fan Motor — YCHA100-200	224-21740-001			1	1	1	X	X			
Fan Motor — YCHA100-200	224-21740-002			1	1	1			X	X	
Fan Motor — YCHA100-200	024-23163			1	1	1					X
Control H.P. — YCHA100-200	025-22634			1	1	1					
Control H.P.C. — YCHA100-200	025-20057			1	1	1					
Control O.P. — YCHA100-200	025-18927			1	1	1					
Control L.P. — YCHA100-200	025-17027-003			1	1	1					
Control S.P. — YCHA120-200	025-17027-004			1	1	1					
Control F.C. — YCHA100-200	025-18767	1	1	1	1	1					
Control 3TH — YCHA100-200	025-18752			1	1	1					
Sensor 3TH — YCHA100-200	025-17896-002	1	1	1	1	1					
Relay Control — YCHA120-200	024-20089	2	2	4	4	4					
Relay Recp. — YCHA120-200	025-19688	2	2	2	2	2					
Timer 1TR — YCHA100-200	025-20058			1	1	1					
Timer 2TR — YCHA120-200	025-20059			1	1	1					
Fuse — YCHA120-200	025-21145	3	3	3	3	3	X	X	X	X	X
Contactor — YCHA100/150/175/200	024-19673		1	2	2	2	X	X	X	X	X
Starter — YCHA100	024-19615-002		1	1	1	1	X	X			
Starter — YCHA100	024-19615-001		1	1	1	1	X	X			
Starter — YCHA100	024-20882-003								X	X	X
Starter — YCHA100	024-20882-002								X	X	X
Fuse — YCHA100	025-23244	12	12	12	12	12	X	X			
Fuse — YCHA100	025-20977	12	12	12	12	12			X	X	X
Relay Control — YCHA100	024-17093	2	2	2	2	2					
Cooler Tube — YCHA100	007-06743-002			30	30	30					
Cooler Gasket — YCHA100	066-87777		4	8	8	8					
Drier Cartridge — YCHA100-200	026-18328	6	6	6	12	12					
TXV Power Assy. Kit *	025-21960			1	1	1					
TXV Power Assy. Kit *	025-25999			1	1	1					
Valve LLSV *	025-20068			1	1	1					
Valve LLSV *	025-23214			1	1	1					
Transformer Control — YCHA100-200	025-12809		1	1	1	1	X				
Transformer Control — YCHA100-200	025-15368		1	1	1	1		X		X	
Transformer Control — YCHA100-200	025-16802		1	1	1	1			X		X
Starter Motor *	024-19369-003		1	2	2	2	X	X			
Starter Motor *	024-20882-005		1	2	2	2			X	X	X
Fuse *	025-23244	12	12	12	12	12	X	X			
Fuse *	025-20977	12	12	12	12	12			X	X	X
Starter Motor *	024-19367-003		1	1	1	1	X	X			
Starter Motor *	024-19615-003		1	1	1	1	X	X			
Starter Motor *	024-20882-005		1	1	1	1			X	X	X
Starter Motor *	024-20882-004		1	1	1	1			X	X	X
Cooler Tube — YCHA120, 150, 175	007-06743-004			40	40	40					
Gasket, Cooler — YCHA150/175	066-87637		4	8	8	8					
Gasket, Cooler — YCHA120	066-87750		4	8	8	8					
Gasket, Cooler — YCHA200	028-10942		4	8	8	8					