

YORK®

PACKAGED LIQUID CHILLERS AIR COOLED — RECIPROCATING HERMETIC

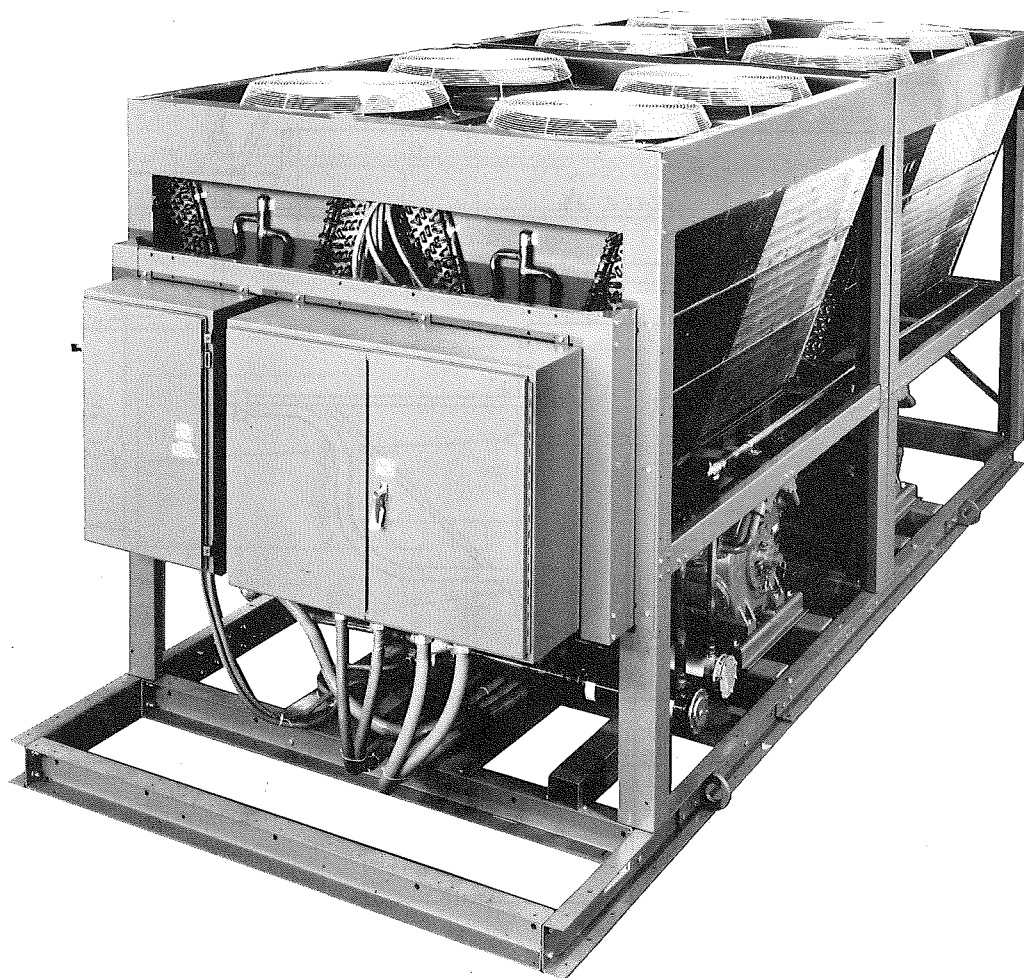
RENEWAL PARTS

Supersedes: Nothing

583

Form 150.40-RP17

MODEL YCHA 175 STYLE A



NOMENCLATURE

Y C H A 175 - 28 A

Design Series: A

Voltage Code:

17 = 200-3-60

28 = 230-3-60

40 = 380-3-60

46 = 460-3-60

50 = 380/415-3-50

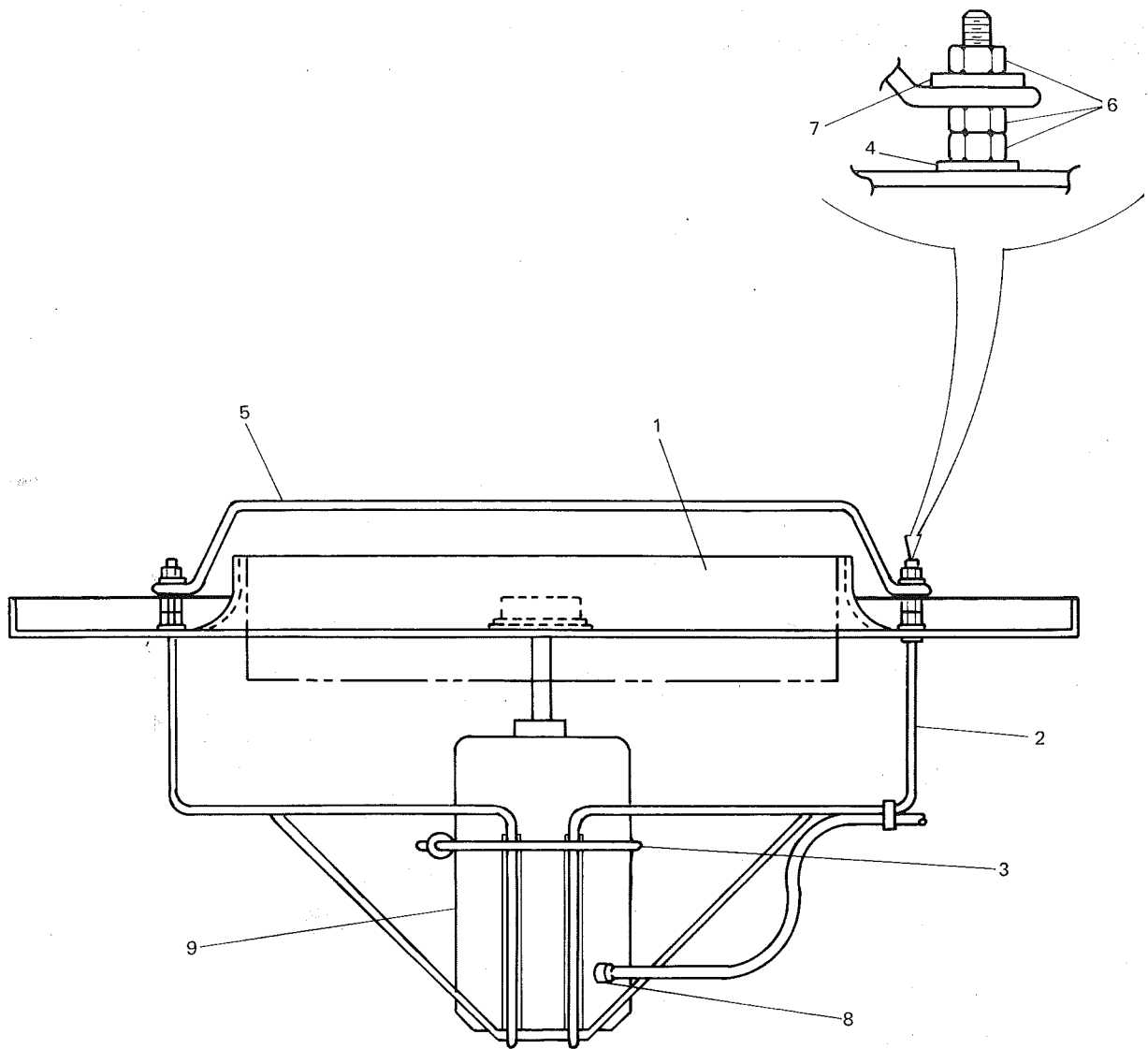
Capacity Tons

Air Cooled

Hermetic

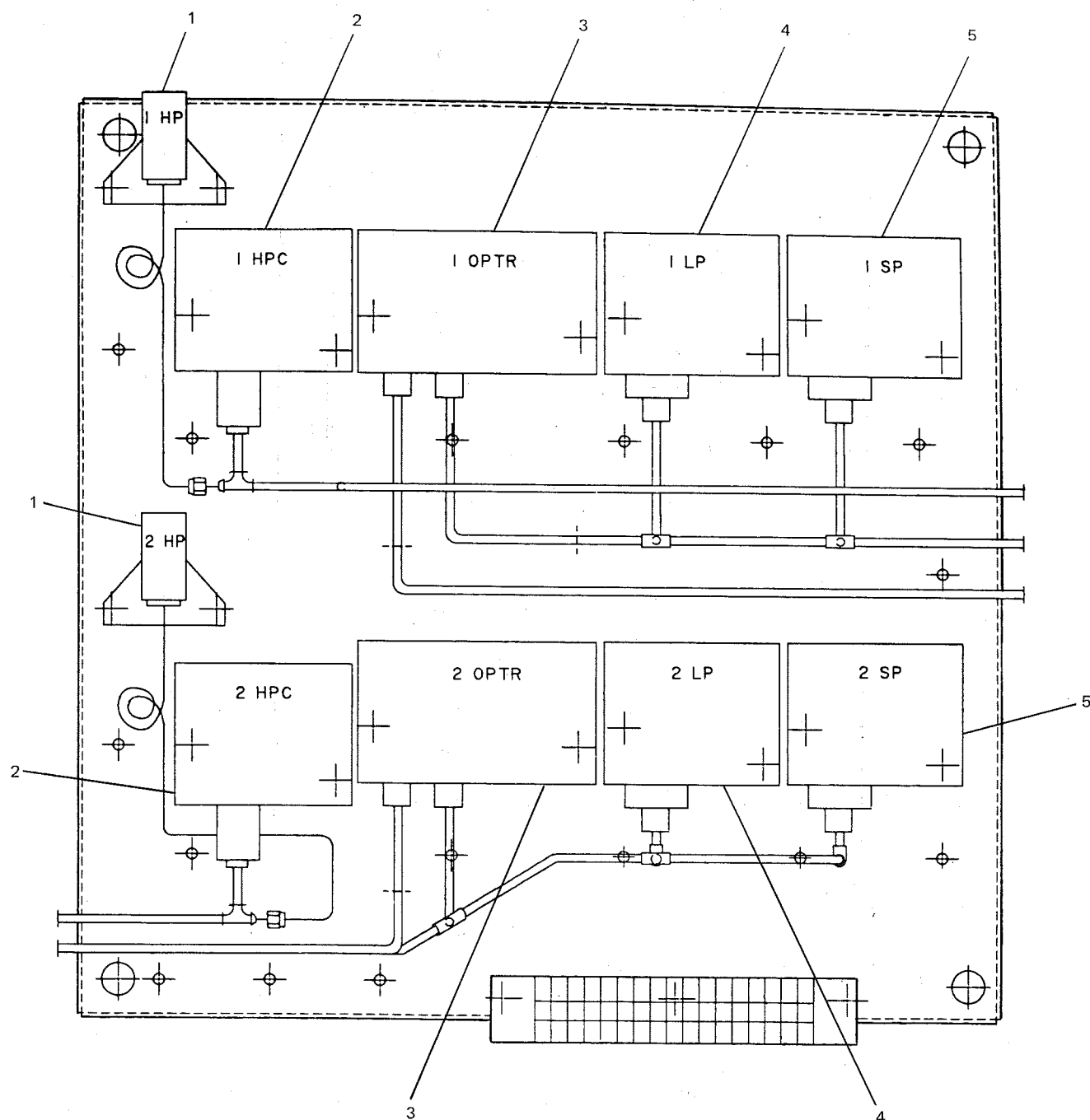
Chiller

York



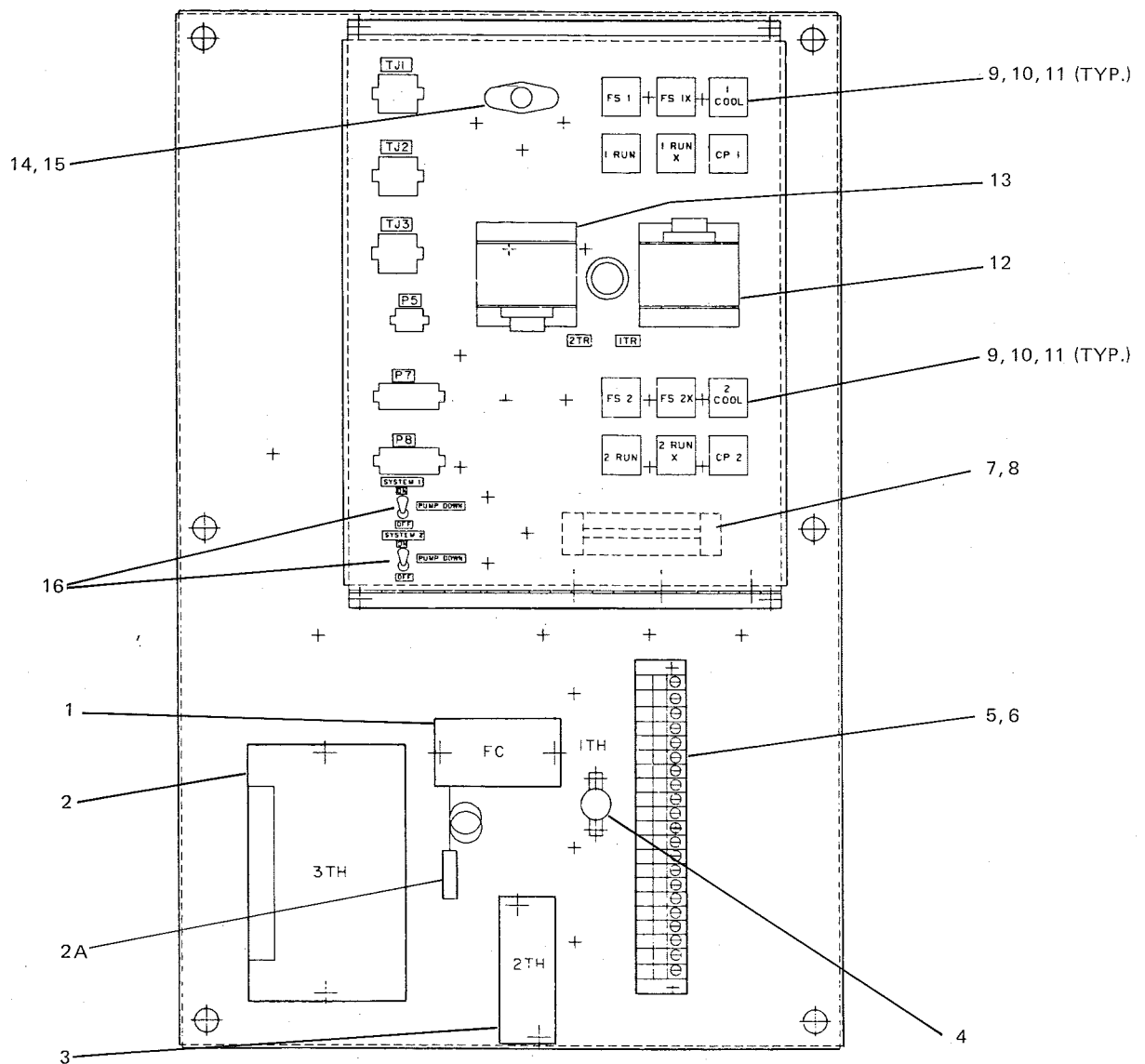
Item No.	Description	Part No.
1	Blade, Fan	026-24096
2	Support, Motor	026-24097
3	Clamp	026-25055
4	Lockwasher	021-16164
5	Guard, Fan	026-24582
6	Nut, Hex	021-16139
7	Washer, Plain	021-16132
8	Ring, Sealing	025-09613
9	Fan Motor	
	200-3-60 (-17)	224-21740-001
	230-3-60 (-28)	224-21740-001
	380-3-60 (-40)	224-21740-002
	460-3-60 (-46)	224-21740-002
	380/415-3-50 (-50)	224-21740-002

FIG. 1 — FAN COMPONENTS



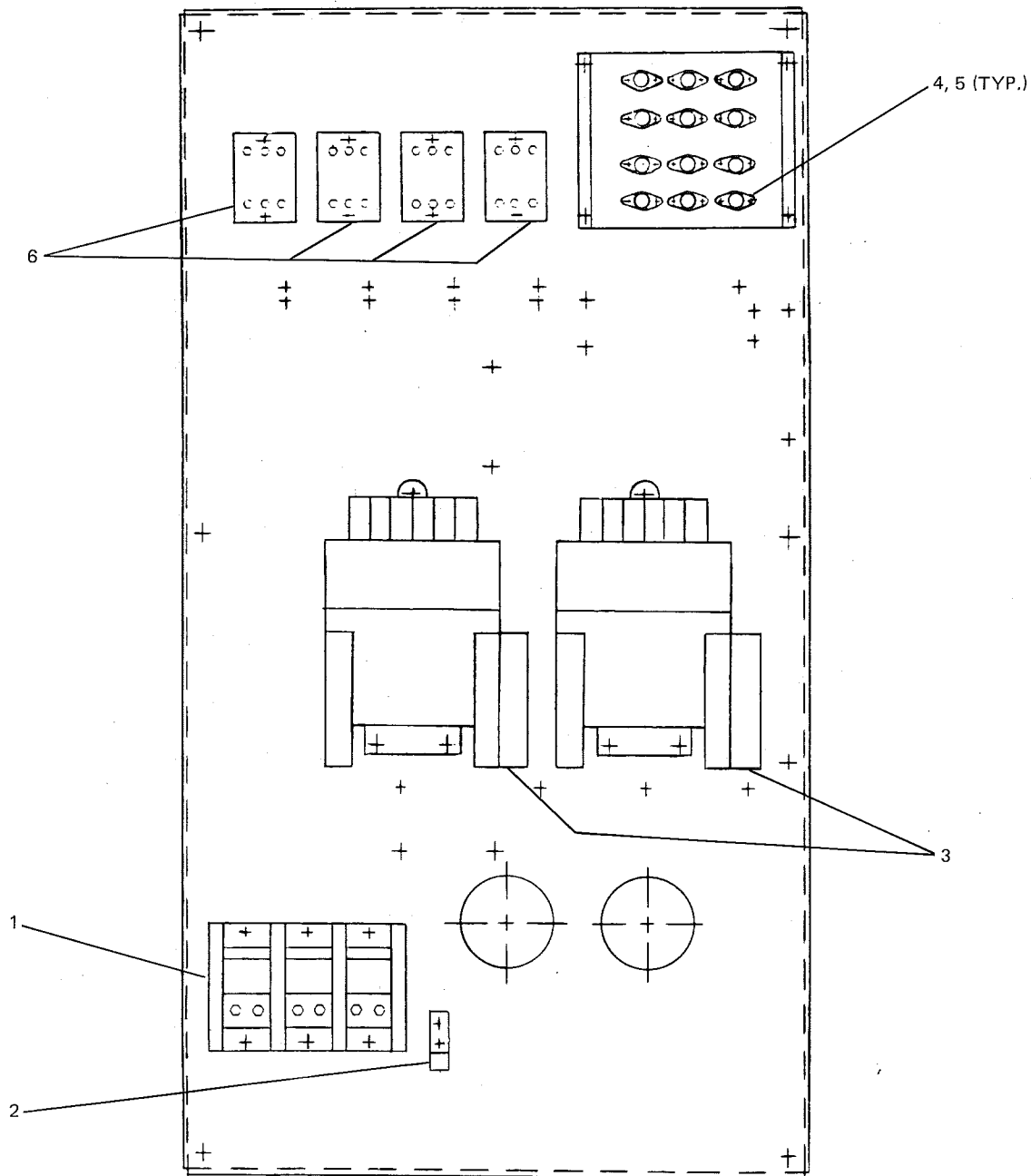
Item No.	Description	Part No.
1	Control, Pressure, 1 HP & 2 HP	025-22634
2	Control, Pressure, 1 HPC, 2 HPC	025-20057
3	Control, Pressure, 1 OPTR, 2 OPTR	025-18927
4	Control, Pressure, 1 LP, 2 LP	025-17027-003
5	Control, Pressure, 1 SP, 2 SP	025-17027-004

FIG. 2 — 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

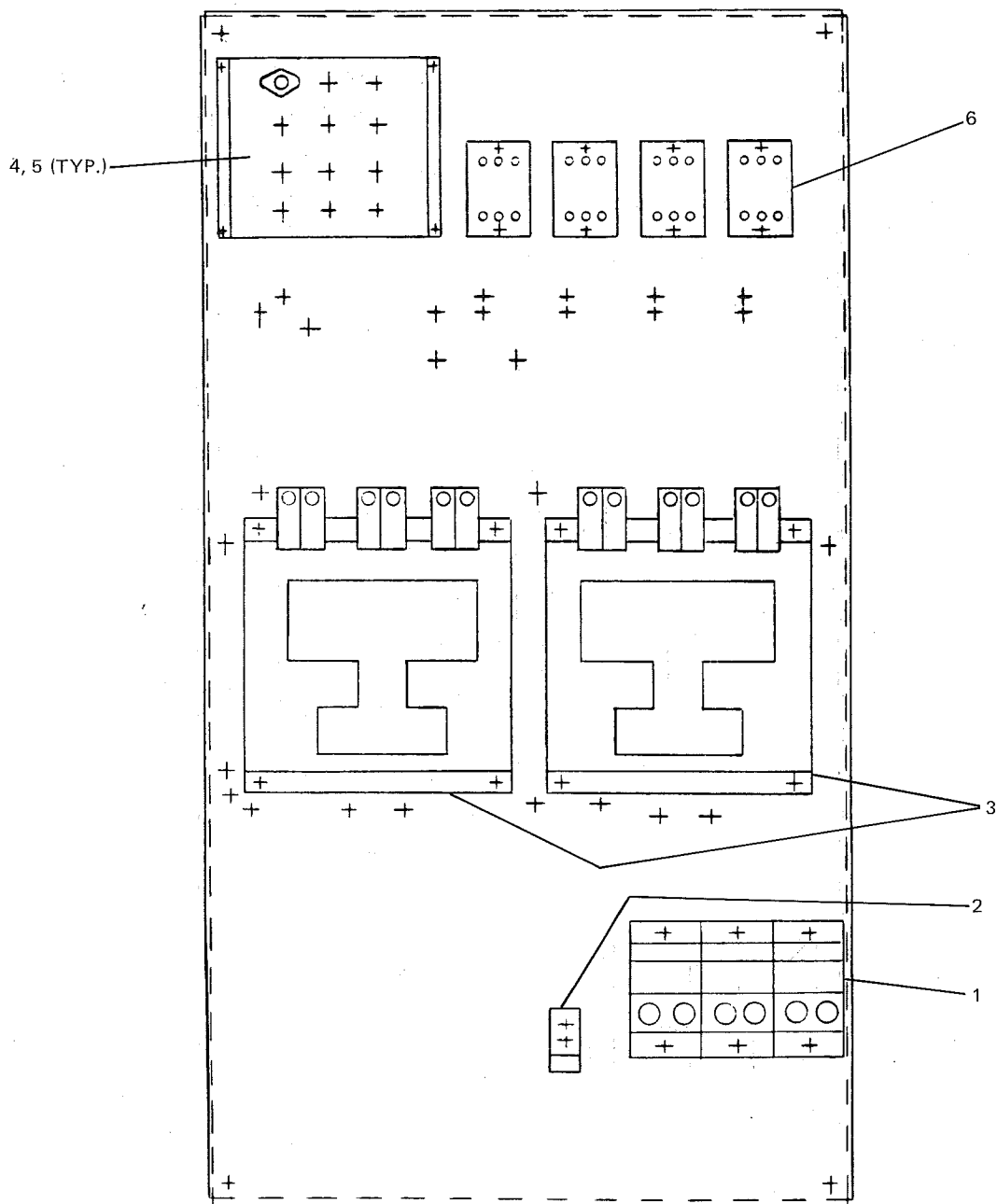
FIG. 3 — LOGIC CONTROL PANEL



Item No.	Description	Part No.
1	Block, Terminal	025-23210
2	Lug, Grounding	025-19282
3	Starter, Motor (1M, 2M)	024-19369-003
3A	Overload Heater Element (for item 3*)	
	200-3-60 (-17)	024-19505
	230-3-60 (-28)	024-19506
	380-3-60 (-40)	024-20883
	460-3-60 (-46)	024-19629
	380/415-3-50 (-50)	024-19629
4	Fuse (12 Req'd.)	025-23244
5	Fuseholder (For Item 4)	025-20974
6	Contactor (4 Req'd.)	024-19673

*3Req'd./Starter

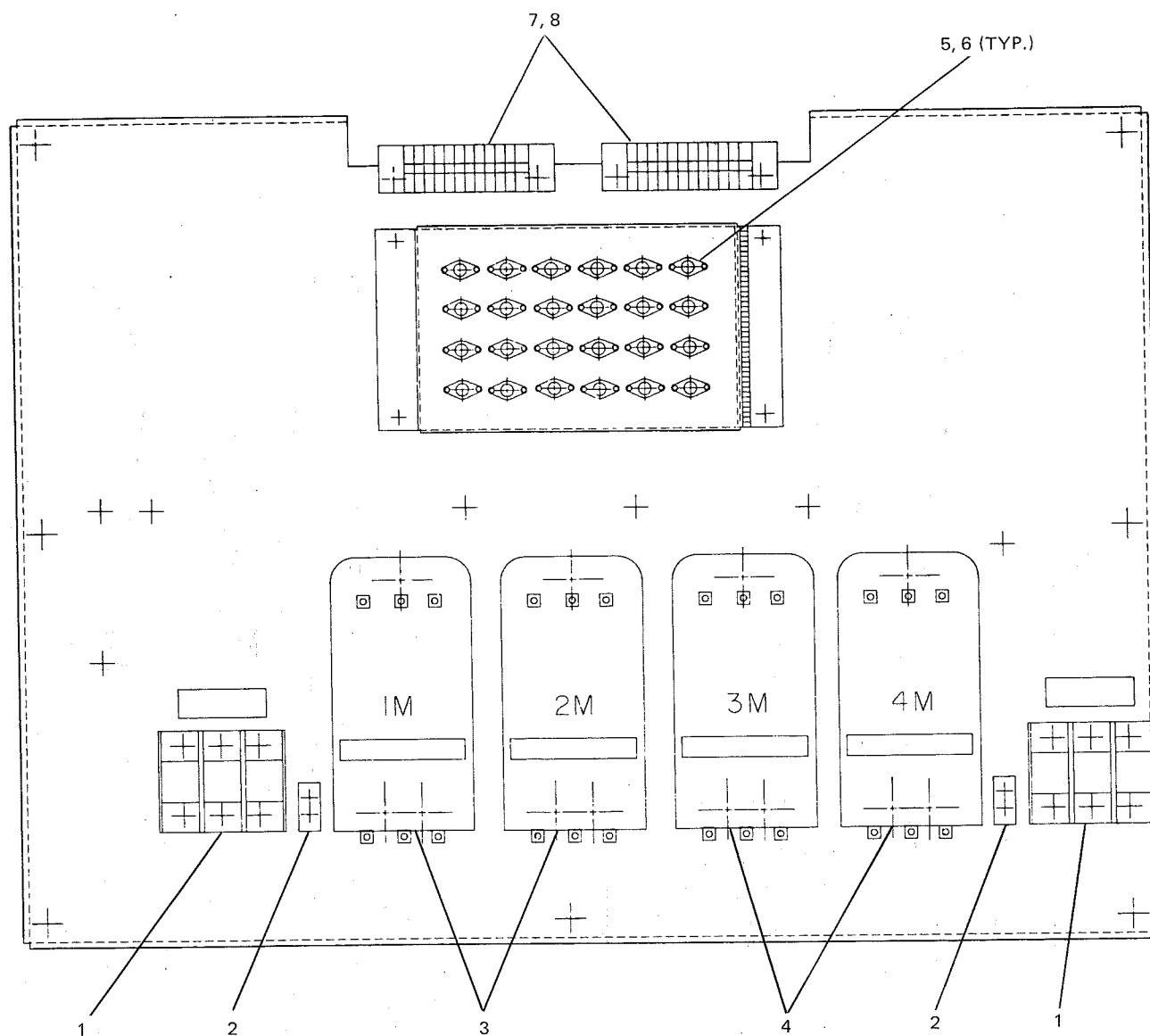
FIG. 4 — POWER PANEL, 200 & 230 VOLT UNITS — SYSTEM #1



Item No.	Description	Part No.
1	Block, Terminal	025-23210
2	Lug, Grounding	025-19282
3	Starter, Motor (3M, 4M)	024-19615-003
3A	Overload Heater Element (for item 3*)	
	200-3-60 (-17)	024-19428
	230-3-60 (-28)	024-19164
	380-3-60 (-40)	024-19605
	460-3-60 (-46)	024-19501
	380/415-3-50 (-50)	024-19501
4	Fuse (12 Req'd.)	025-23244
5	Fuseholder (For Item 4)	025-20974
6	Contactors (4 Req'd.)	024-19673

*3 Req'd./Starter

FIG. 5 — POWER PANEL, 200 & 230 VOLT UNITS — SYSTEM #2



Item No.	Description	Part No.
1	Block, Terminal	025-18805
2	Lug, Ground	025-19282
3	Starter, Motor (1M, 2M)	024-20882-005
3A	Overload Heater Element (for item 3*) 200-3-60 (-17) 230-3-60 (-28) 380-3-60 (-40) 460-3-60 (-46) 380/415-3-50 (-50)	024-19505 024-19506 024-20883 024-19629 024-19629
4	Starter, Motor (3M, 4M)	024-20882-004
4A	Overload Heater Element (for item 4*) 200-3-60 (-17) 230-3-60 (-28) 380-3-60 (-40) 460-3-60 (-46) 380/415-3-50 (-50)	024-19428 024-19164 024-19605 024-19501 024-19501
5	Fuse (24 Req'd.)	025-20977
6	Fuseholder (For Item 5)	025-20974
7	Block, Term. Base (24 Req'd.)	025-20944
8	Block, Term. End (2 Req'd.)	025-20946

*3 Req'd./Starter

FIG. 6 — POWER PANEL — 380, 460 & 380/415 VOLT UNITS

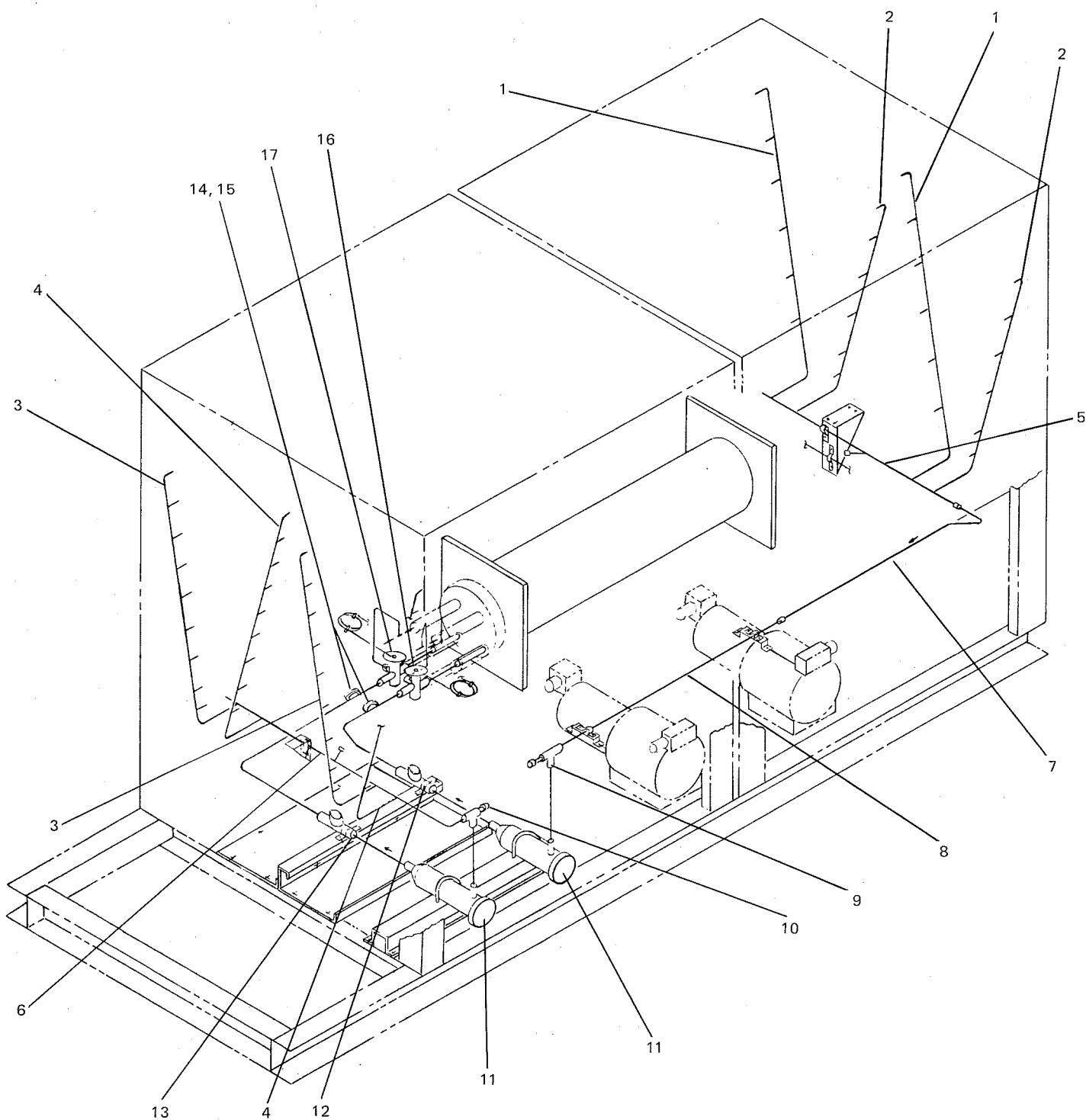
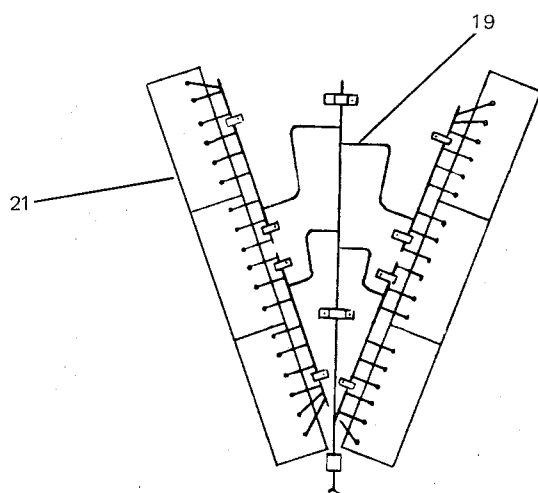
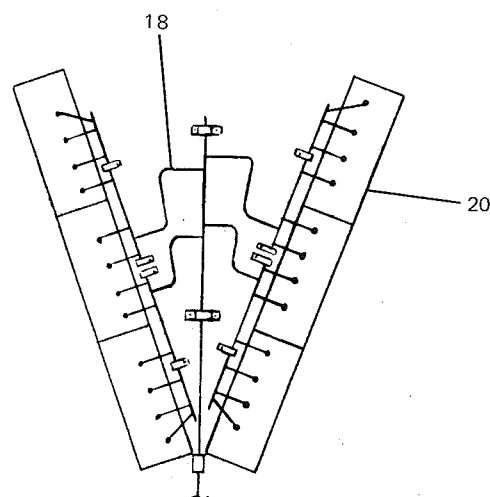


FIG. 7 — REFRIGERANT PIPING COMPONENTS



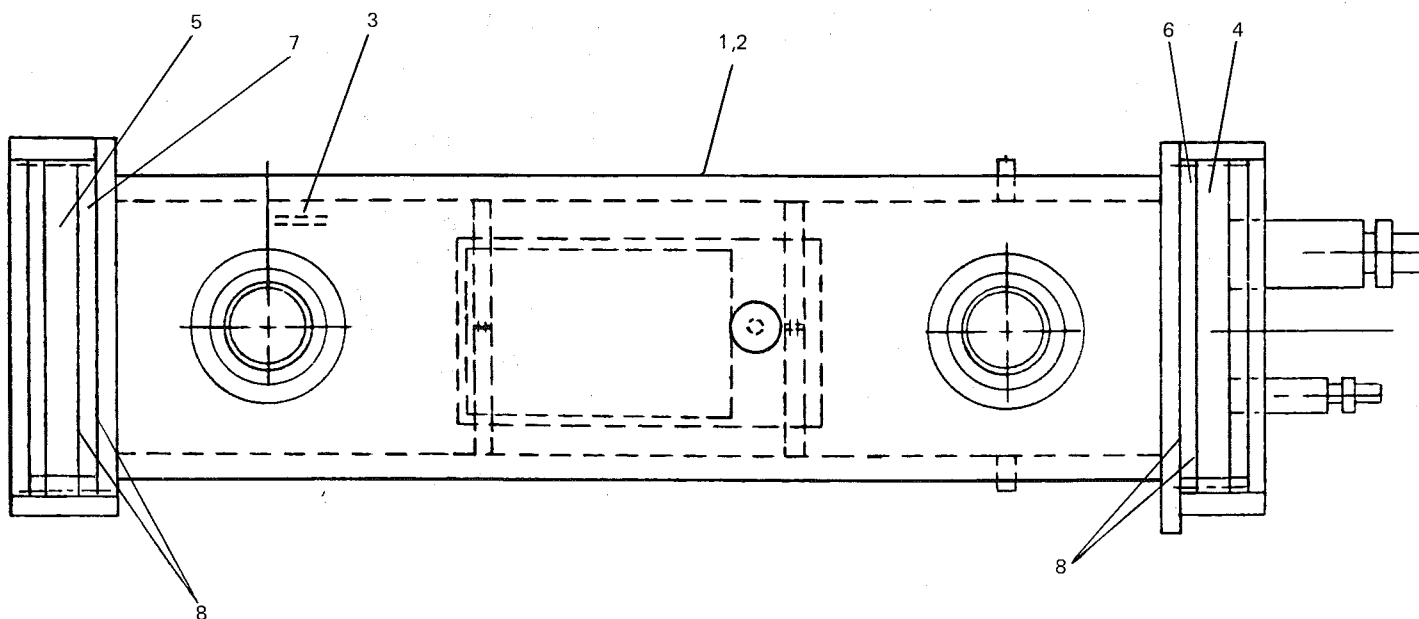
DETAIL "A"
SYSTEM #2 - 6 ROW COILS
TYP. 2



DETAIL "B"
SYSTEM #1 - 4 ROW COILS
TYP. 2

Item No.	Description	Part No.
1	Header, Liquid L.H. (System #1)	366-89111
2	Header, Liquid R.H. (System #1)	366-89110
3	Header, Liquid L.H. (System #2)	366-89112
4	Header, Liquid R.H. (System #2)	366-89113
5	Header, Liquid (System #1)	366-88571
6	Header, Liquid (System #2)	366-88570
7	Connection, Liquid (System #1)	066-88578
8	Connection, Liquid (System #1)	066-88572
9	Valve, Liquid Stop, 1-3/8" (System #1)	022-03043
10	Valve, Liquid Stop, 1-5/8" (System #2)	022-03044
11	Cartridge, Dehydrator	026-18328
12	Valve, Solenoid (System #1)	025-20068
13	Valve, Solenoid (System #2)	025-23214
14	Body, Moisture Indicator	026-20147
15	Cap Ass'y., Moisture Indicator	026-16958
16	Valve, Thermal Expansion (System #1)	025-21955
16A	TXV Power Ass'y. Kit (System #1)	025-21960
17	Valve, Thermal Expansion (System #2)	025-23236
17A	TXV Power Ass'y. Kit (System #2)	025-23291
18	Header, Disch. (System #1)	366-89108
19	Header, Disch. (System #2)	366-89109
20	Coil, 4-Row, System #1 (12 Per Unit)	366-88348
21	Coil, 6-Row, System #2 (12 Per Unit)	366-88349
*	Compressor Crankcase Heater	025-10462
*	Compressor Capacity Control Solenoid (2 Per Compressor)	025-16572-005

*Not Shown



Item No.	Description	Part No.
1	Cooler, Complete (Includes Insulation & Heaters)	366-88050
2	Cooler, Less Insulation & Heaters	366-87636
3	Tube (528 Total Req'd.)	007-06743-004
4	Head, Connection End	366-87602
5	Head, Back End	366-87596
6	Baffle, Pass, Connection End	366-87621
7	Baffle, Pass, Back End	066-87634
8	Gasket, Pass Baffle & Head	066-87637
9	Heater (3" x 48")	025-22690
10	Heater (4-5/8" x 48")	025-22691
*	Insulation (3/4" x 42" x 68") (3 Sheets Req'd./Cooler)	010-04198

*Not Shown

FIG. 8 — 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

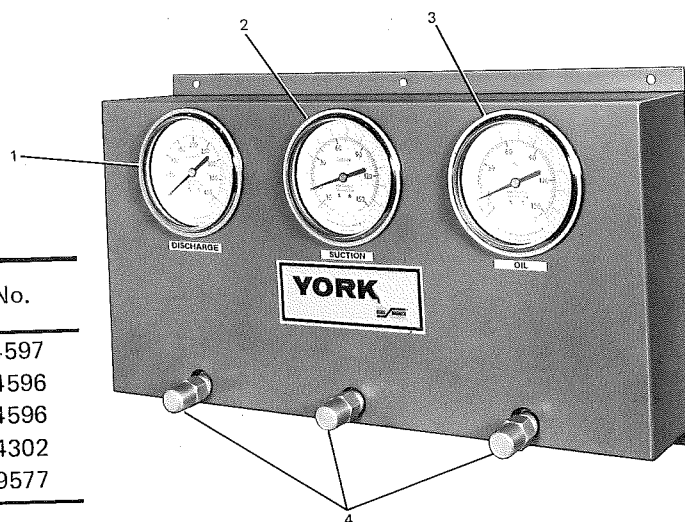


FIG. 9 – GAUGE KIT

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

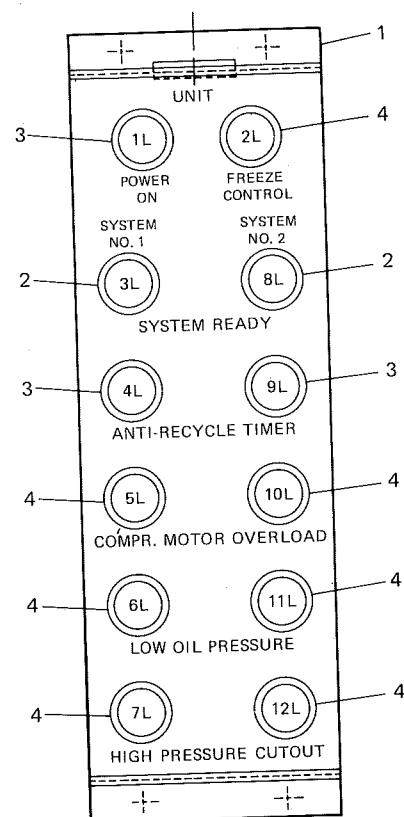


FIG. 10 – INDICATOR LIGHT KIT

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

