

RecipPak
LIQUID CHILLERS
AIR COOLED — RECIPROCATING HERMETIC

RENEWAL PARTS

Supersedes: Form 150.40-RP25 (489)

491

FORM 150.40-RP25

MODELS

OLD STYLE NOMENCLATURE

YCAQ10
YCAM12
YCAK14
YCAI16
YCAG18
YCAJ65G18
YCAJ66G18

YCAR11
YCAN13
YCAL15
YCAJ17
YCAH19

NO DOM

*VP4 w/ 1 SHORT
1 LONG STROKE COMP.*

NEW STYLE NOMENCLATURE

YCAJ08FK4
YCAJ46ML4
YCAJ66NM4
YCAJ68SN4
YCAJ88VP4
YCAJ98VP4
YCAJ99VP4

YCAJ09FK5
YCAJ57ML5
YCAJ77NM5
YCAJ79SN5
YCAJ99VP5

*Dom
150.40-NM25*

STYLE D



Coils for above units must be matched to configuration shown above. Do not rely on RP manual only.

Refer to last page for more info on identifying replacement coils.

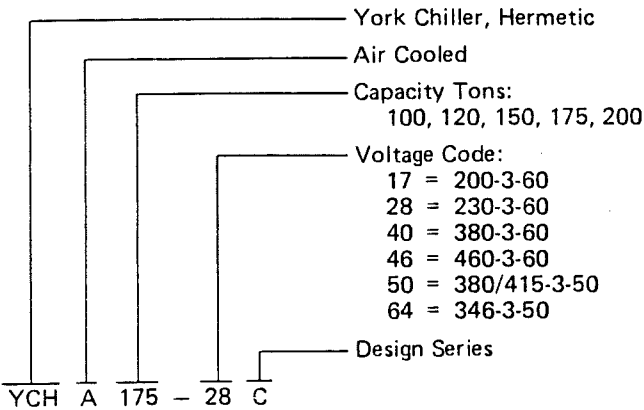
Effective January 1990, YORK introduced a new method of unit identification (nomenclature). The new method does not reflect any change in unit design; only a change in nomenclature. This renewal parts list is written to reflect both current and previous versions of identification. A description of the various versions of nomenclature is given below. Also provided, for your convenience, is a cross reference chart.

CROSS-REFERENCE CHART
NOMENCLATURE

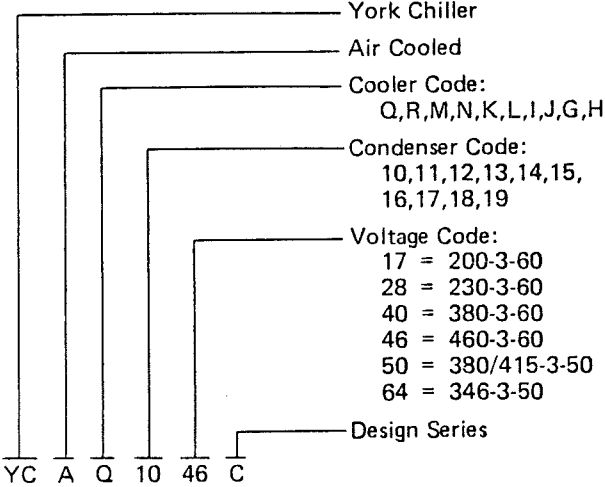
BEFORE MAY 1, 1987	EFFECTIVE MAY 1, 1987	EFFECTIVE JAN., 1990
YCHA100	YCAQ10, YCAR11	YCAJ08FK4, YCAJ09FK5
YCHA120	YCAM12, YCAN13	YCAJ46ML4, YCAJ57ML5
YCHA150	YCAK14, YCAL15	YCAJ66NM4, YCAJ77NM5
YCHA175	YCAI16, YCAJ17	YCAJ68SN4, YCAJ79SN5
YCHA200	YCAG18, YCAH19	YCAJ88VP4, YCAJ99VP5
N/A	YCAJ65G18	YCAJ98VP4
N/A	YCAJ66G18	YCAJ99VP4

AIR COOLED MODELS
100 – 200 TONS

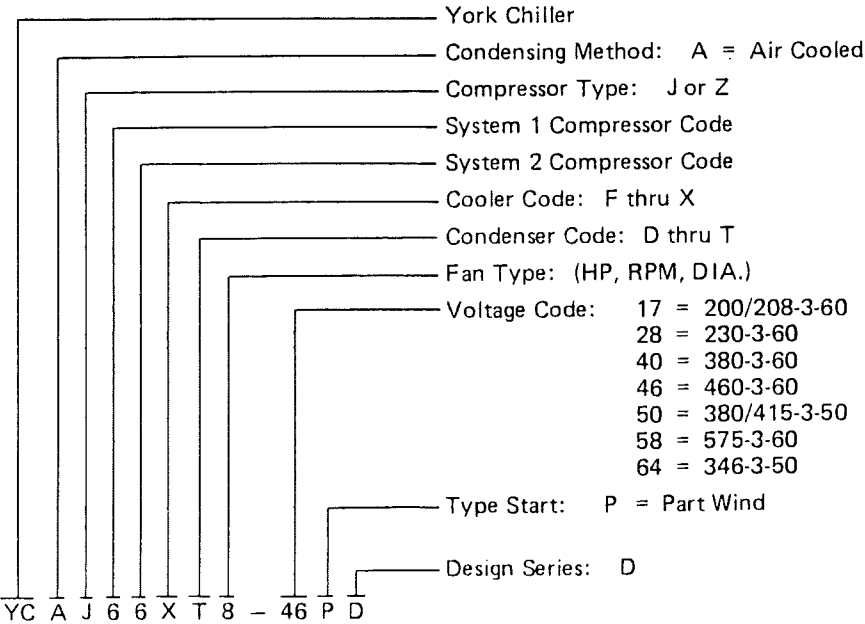
(BEFORE MAY 1, 1987)

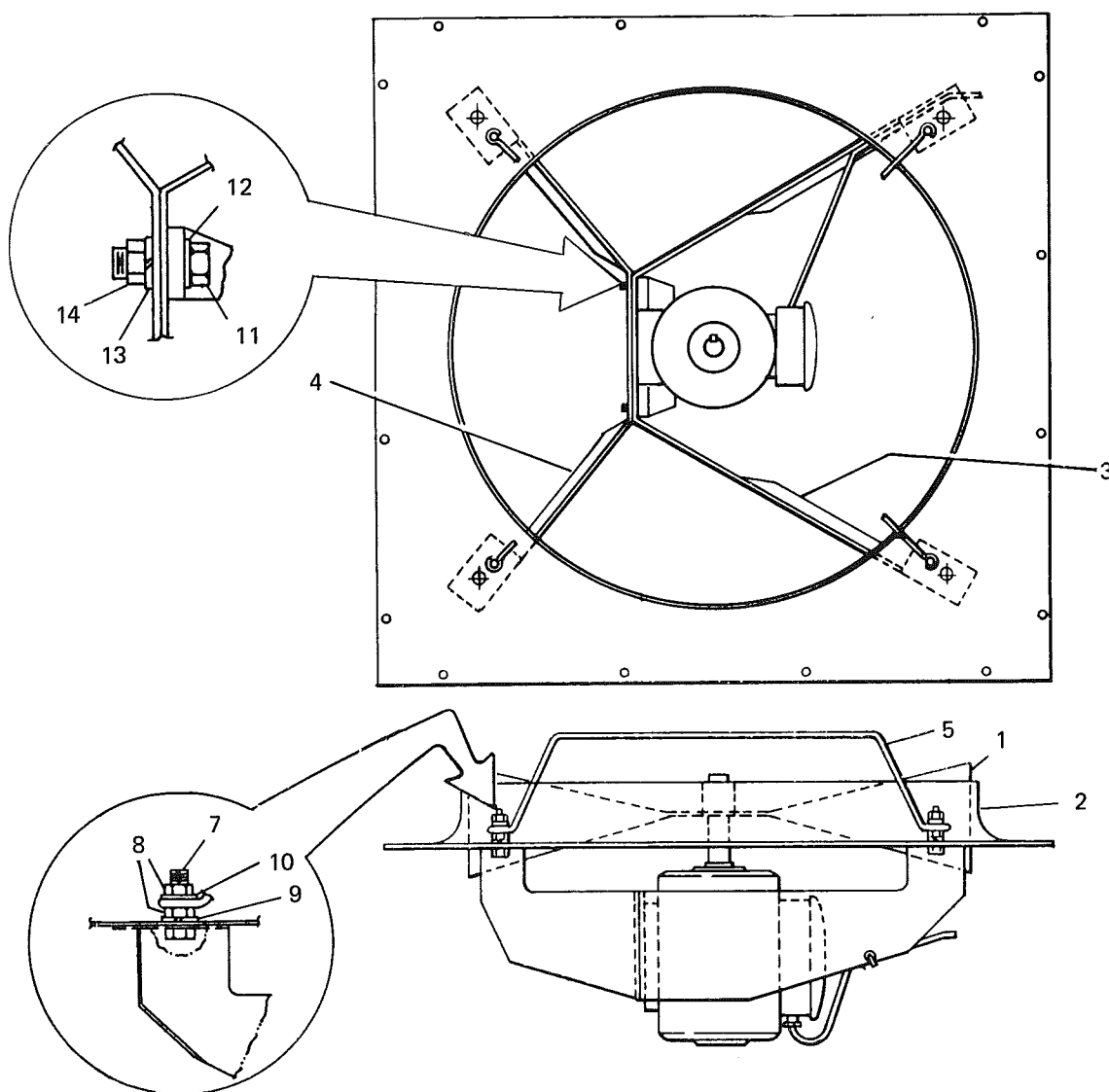


(EFFECTIVE MAY 1, 1987)



(EFFECTIVE JAN., 1990)



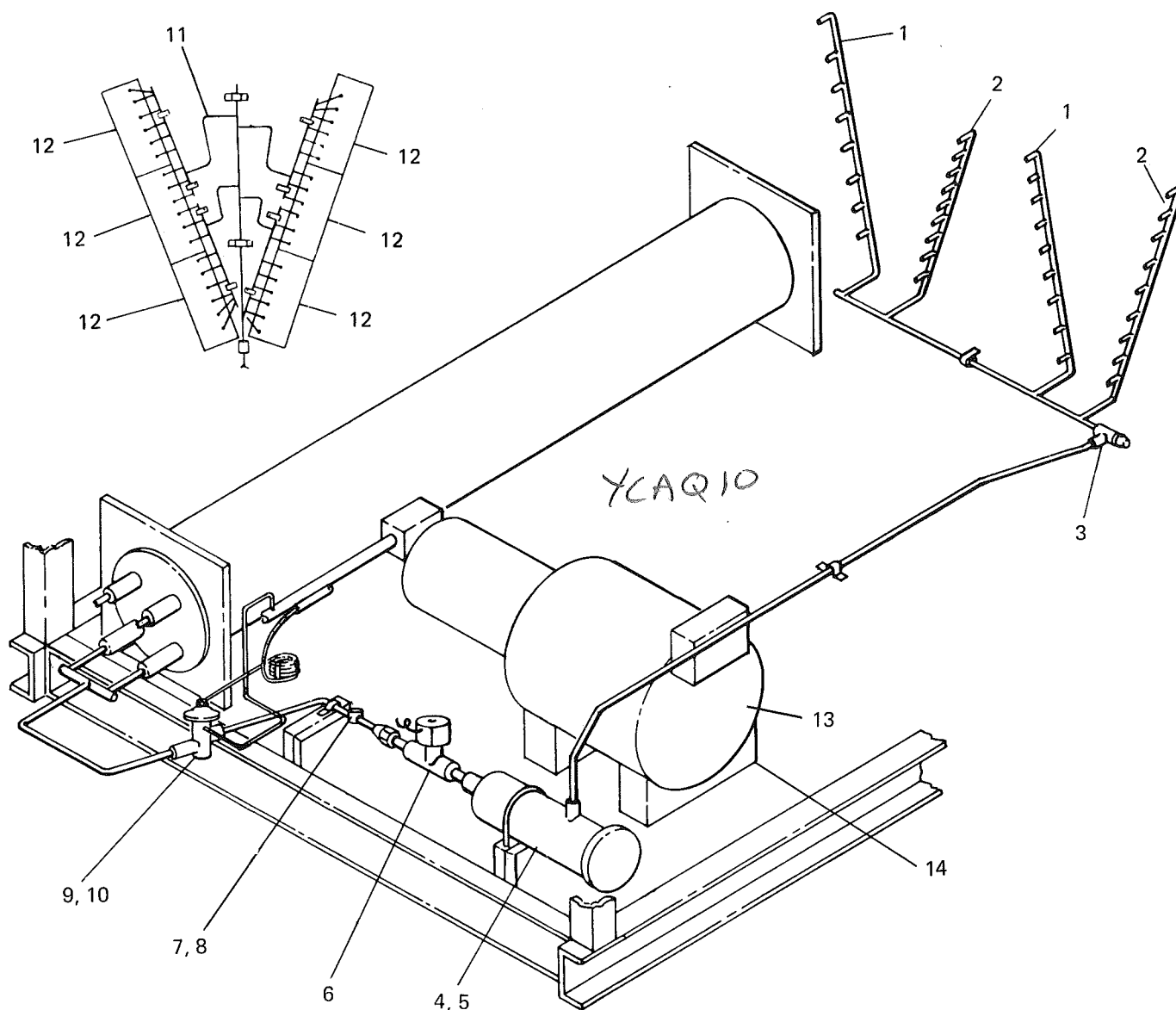


Item No.	Description	Part Number
①	Blade, Fan 50 HZ 60 HZ	026-30886 026-30885
2	Housing, Fan (RING)	066-90474
3	Support, Motor	066-94583
4	Support, Motor	066-94584
5	Guard	026-24582
⑥	Motor 50 HZ (346,380,400,415V) 60 HZ (380,480V) 60 HZ (200,208,230V)	024-25179-001 024-25179-001 024-25179-002
7	Screw, 3/8" x 1-3/4"*	021-16511
8	Nut, Hex	021-16139
9	Lockwasher	021-16158
10	Washer, Plain	021-16135
11	Screw, 7/16" x 1-3/4"***	021-17229
12	Washer, Plain - 7/16"	021-16140
13	Lockwasher - 7/16"	021-17230
14	Nut, Hex - 7/16"	021-17228

*Torque = 20 Ft. Lbs.

**Torque = 30 ⁺⁵/₋₀ Ft. Lbs.

FIG. 1 — FAN COMPONENTS

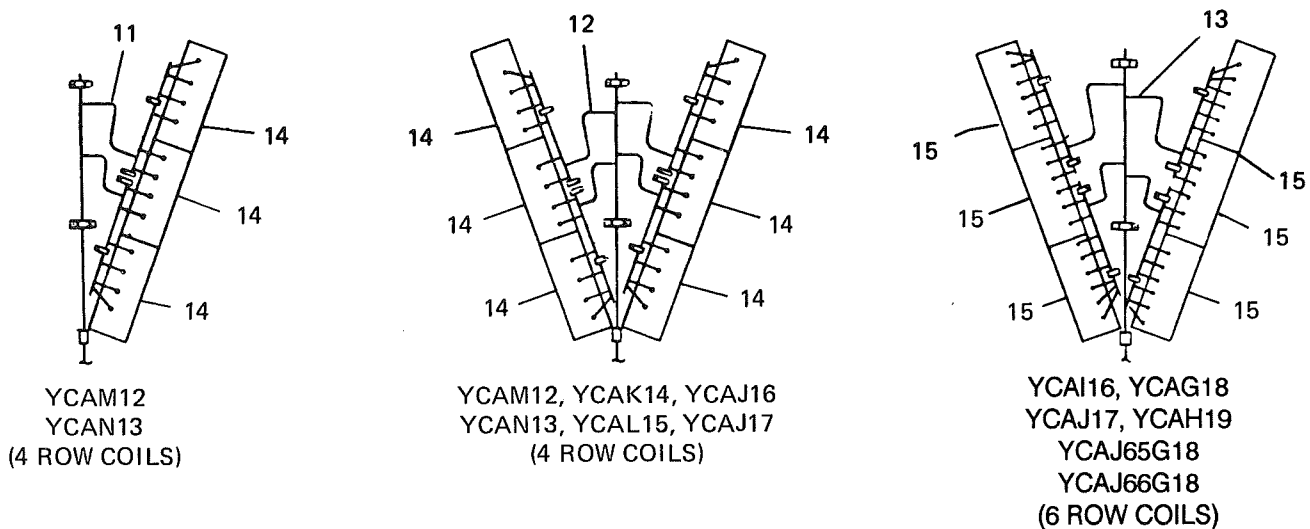


Item No.	Description	Part Number
1	Header, Liquid (R.H.) (2 Req'd)	366-92386
2	Header, Liquid (L.H.) (2 Req'd)	366-92384
3	Valve, Liquid Stop	022-08740
4	Dehydrator, Body	026-16960
5	Dehydrator, Cartridge (3 Req'd)	026-18328
6	Valve, Liquid Solenoid	025-28375
7	Body, Moisture Indicator	026-20147
8	Cap Assembly, Moisture Indicator	026-16958
9	Valve Thermal Expansion	025-25944
10	TXV Power Assembly Kit	025-25999
11	Header, Discharge	366-89109
12	Coil, 6 Row (12 Per Unit)	026-29609
13	Compressor (50 Hz) JS84F-T Compressor (60 Hz) JS83F-T	*
14	Isolator (4 Req'd)	066-92335

*For replacement compressors or compressor parts, refer to Form 180.23-RP3. If ordering replacement compressor, be sure to match number of unloading solenoids with original compressor.

FIG. 2 — REFRIGERANT PIPING, YCAQ10, R11

YORK APPLIED SYSTEMS



COIL*	YCAM12 YCAN13		YCAK14 YCAL15		YCAI16 YCAJ17		YCAG18, YCAJ65G18 YCAH19, YCAJ66G18	
	SYS 1	SYS 2	SYS 1	SYS 2	SYS 1	SYS 2	SYS 1	SYS 2
4-ROW	X	X	X	X	X	8 cyl.	X	X
6-ROW					6 cyl.	X		

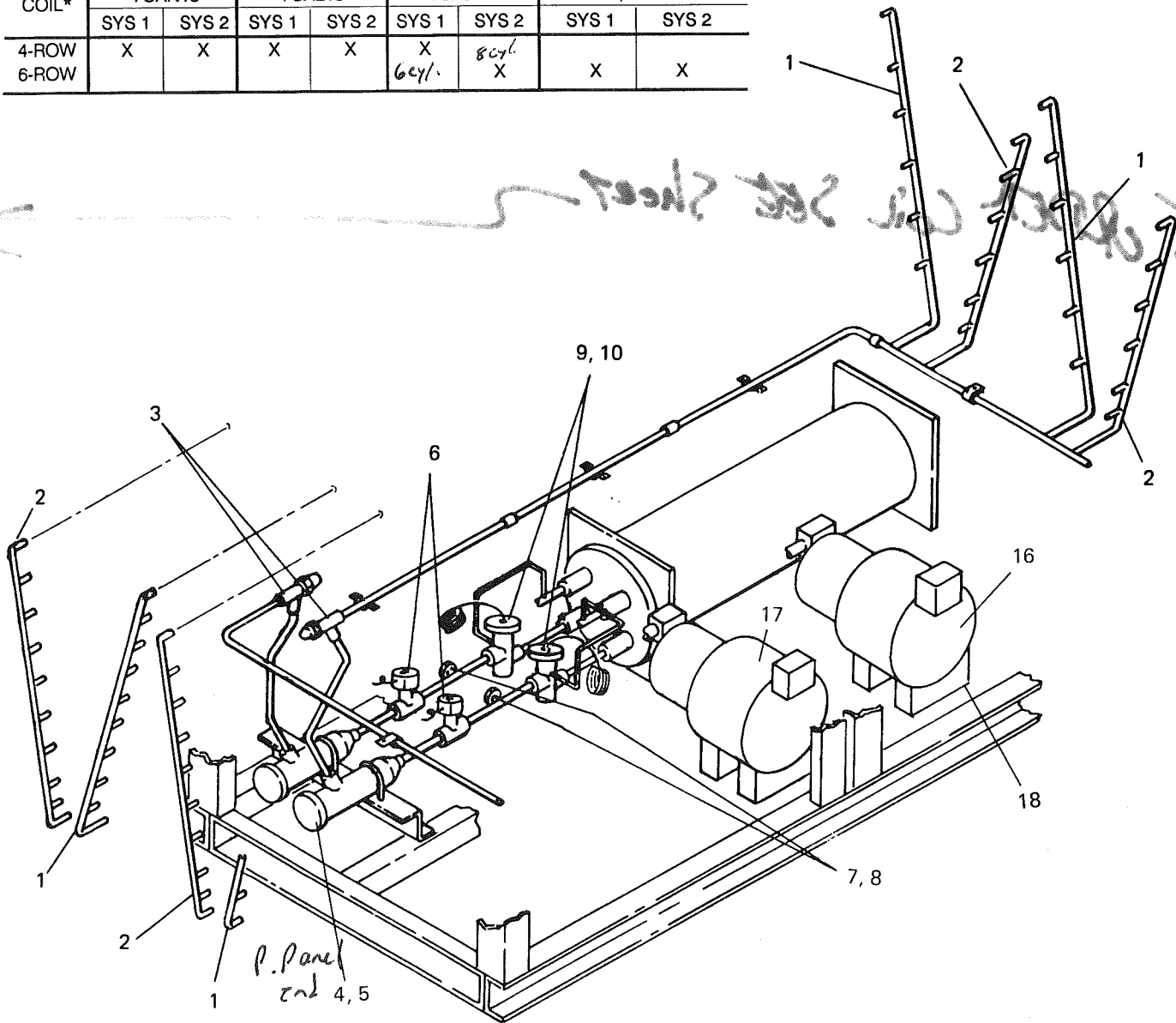


FIG. 3 — REFRIGERANT PIPING, YCAM12-H19, YCAJ65G18, YCAJ66G18

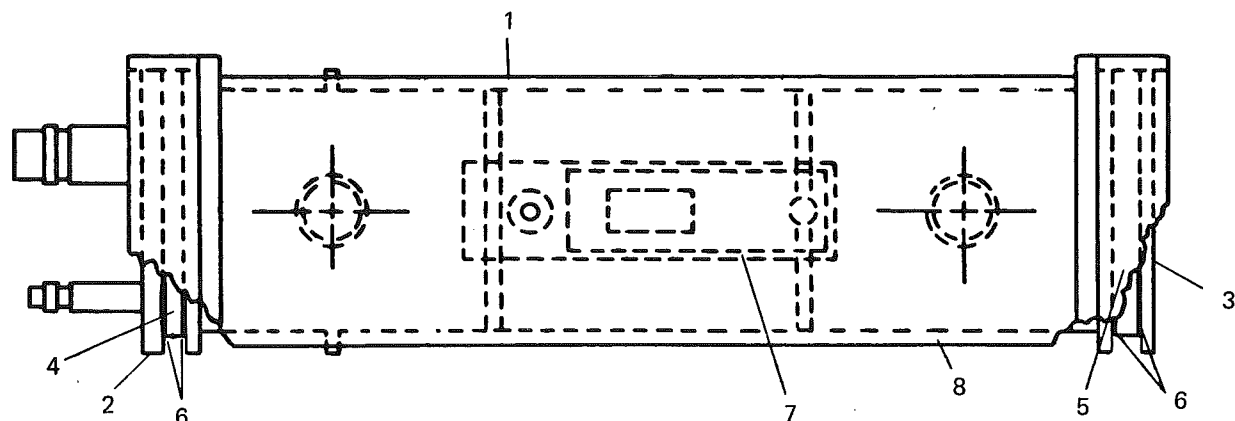
REFRIGERANT PIPING

Item No.	Description	YCAM12, YCAN13		YCAK14, YCAL15	
		System 1	System 2	System 1	System 2
1	Header, Liquid (R.H.)	366-92387 (2 Req'd)	366-92387 (2 Req'd)	366-92387 (2 Req'd)	366-92387 (2 Req'd)
2	Header, Liquid (L.H.)	366-92385 (1 Req'd)	366-92385 (2 Req'd)	366-92385 (2 Req'd)	366-92385 (2 Req'd)
3	Valve, Liquid Stop	022-08739	022-08739	022-08739	022-08739
4	Dehydrator, Body	026-21055		026-21055	
5	Dehydrator, Cartridge	026-18328 (4 Req'd)		026-18328 (4 Req'd)	
6	Valve, Liquid Solenoid	025-28376		025-28376	
7	Body, Moisture Indicator	026-20147		026-20147	
8	Cap Assembly, Moisture Indicator	026-16958		026-16958	
9	Valve, Thermal Expansion	025-23211	025-21955	025-21955	
10	TXV Power Assembly, Kit	025-21960		025-21960	
11	Header, Discharge	375-00124	—	375-00124	375-00124
12	Header, Discharge	—	375-00124	375-00124	—
13	Header, Discharge	—		—	
14	Coil, 4 Row	026-29608	026-29608	026-29608	026-29608
16	Compressor (50 Hz)	JS44FP	—	JS64FP	—
16	Compressor (60 Hz)	JS43FM	—	JS63FP	—
17	Compressor (50 Hz)	—	JS64FS	—	JS64FS
17	Compressor (60 Hz)	—	JS63FP	—	JS63FP
18	Isolator (4 Req'd)	066-92335		066-92335	

TO ORDER COIL SEE SHEET →

Item No.	Description	YCAI16, YCAJ17		YCA-G18, H19, J65G18, J66G18	
		System 1	System 2	System 1	System 2
1	Header, Liquid (R.H.)	366-92387 (2 Req'd)	366-92387 (2 Req'd)	366-92386 (2 Req'd)	366-92386 (2 Req'd)
2	Header, Liquid (L.H.)	366-92385 (2 Req'd)	366-92384 (2 Req'd)	366-92384 (2 Req'd)	366-92384 (2 Req'd)
3	Valve, Liquid Stop	022-08739	022-08740	022-08740	022-08740
4	Dehydrator, Body	026-21055	026-16960	026-16960	
5	Dehydrator, Cartridge	026-18328 (5 Req'd)		026-18328 (6 Req'd)	
6	Valve, Liquid Solenoid	025-28376	025-28375	025-28375	
7	Body, Moisture Indicator	026-20147		026-20147	
8	Cap Assembly, Moisture Indicator	026-16958		026-16958	
9	Valve, Thermal Expansion	025-21955	025-25944	025-25944	
10	TXV Power Assembly, Kit	025-21960	025-25999	025-25999	
12	Header, Discharge	375-00124	—	—	—
13	Header, Discharge	—	375-00124	375-00124	375-00124
14	Coil, 4 Row	026-29608	—	—	
15	Coil, 6 Row	—	026-29609	026-29609	
16	Compressor (50 Hz)	JS64FS	—	JS84FT	—
16	Compressor (60 Hz)	JS63FP	—	JS83FS	—
17	Compressor (50 Hz)	—	JS84FT	—	JS84FT
17	Compressor (60 Hz)	—	JS83FS	—	JS83FS
18	Isolator (4 Req'd)	066-92335		066-92335	

*For replacement compressors or compressor parts, refer to Form 180.23-RP3. If ordering replacement compressor, be sure to match number of unloading solenoids with original compressor.



2/07
 Use cooler 375-41731-000
 Near drop in per G.N in YRK Engineering

Item	Description	YCAQ10 YCAR11	YCAM12 YCAN13	YCAK14 YCAL15	YCAI16 YCAJ17	YCA-G18, H19, J65G18, J66G18
1	Cooler (Less Insulation)	366-93502	366-93503	366-93504*	366-93064	366-93655 - 412 tubes 5/8" φ
2	Head, Connection End	366-93090	366-93090	366-93091	366-93093	366-93649
3	Head, Back End	366-87740	366-87740	366-87740	366-92896	366-93651
4	Baffle, Pass (Conn.)	366-93086	366-93086	366-93086	366-92883	366-93644
5	Baffle, Pass (Back)	066-93084	066-93084	066-93084	066-93882	066-93647
6*	Gasket, Baffle (4 Req'd)	066-93083	066-93083	066-93083	066-92899	066-93653
7	Heater	025-22690	025-22692	025-22692	025-22690 025-22691	025-22691 (2 Req'd)
8	Insulation	010-04198 (3 Sheets)	010-04198 (3 Sheets)	010-04198 (3 Sheets)	010-04198 (3 Sheets)	010-04198 (3 Sheets)

*Use when replacing Gasket (Item 6):

Primer 013-01753

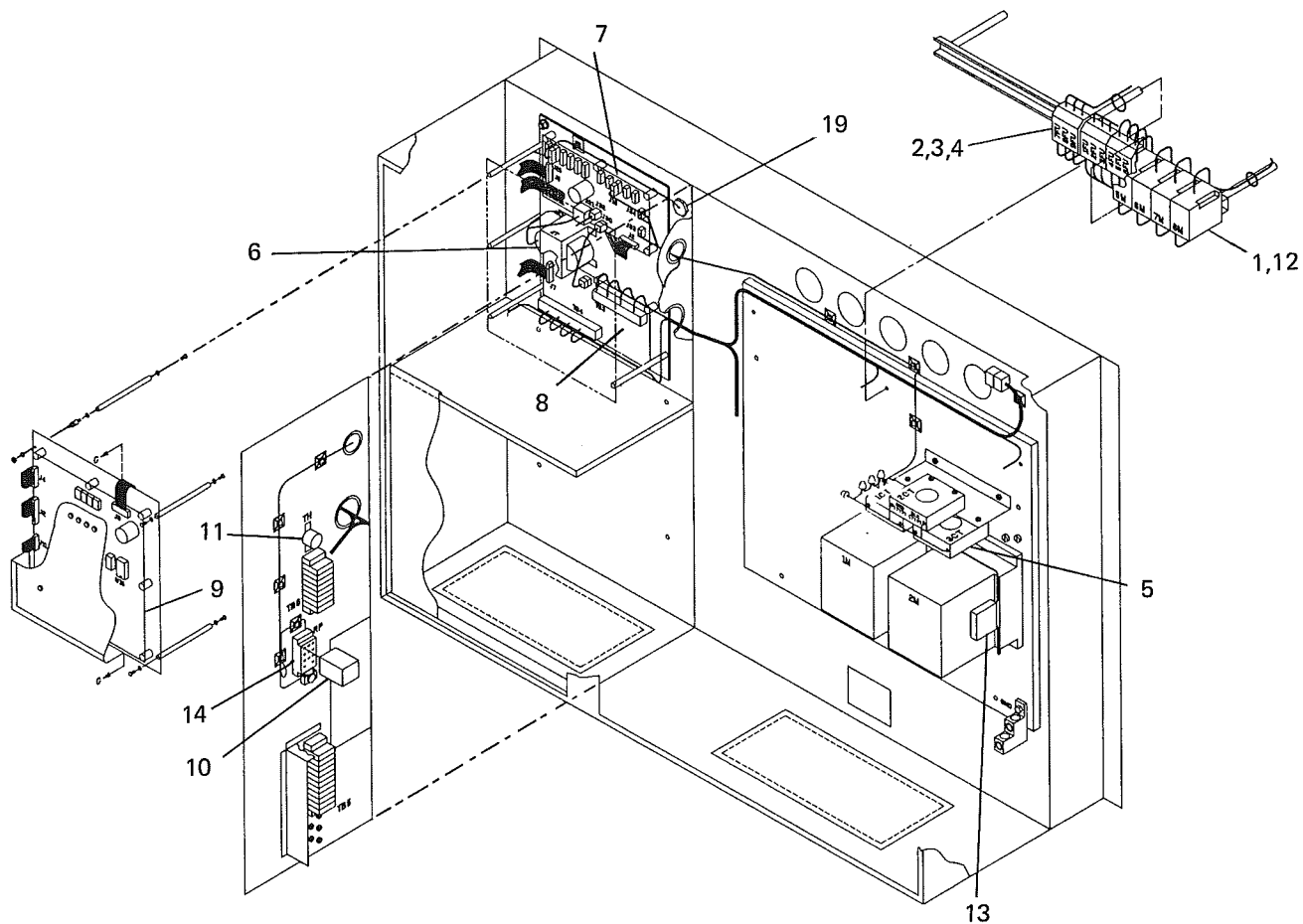
Sealer, Gasket 013-02827

FIG. 4 — COOLER COMPONENTS

COMPRESSOR CONTACTORS

VOLTAGE CODE	SYSTEM	YCAQ10 YCAR11	YCAM12 YCAN13	YCAK14 YCAL15	YCAI16 YCAJ17	YCA-G18, H19, J65G18, J66G18
-17	1	024-24988-003	024-24988-001	024-24988-002	024-24988-002	024-24988-003
	2	—	024-24988-002	024-24988-002	024-24988-003	024-24988-003
-28	1	024-24988-003	024-24982-000	024-24988-001	024-24988-001	024-24988-003
	2	—	024-24988-001	024-24988-001	024-24988-003	024-24988-003
-40	1	024-24988-001	024-24775-000	024-24982-000	024-24982-000	024-24988-001
	2	—	024-24982-000	024-24982-000	024-24988-001	024-24988-001
-46	1	024-24988-001	024-24775-000	024-24982-000	024-24982-000	024-24988-001
	2	—	024-24982-000	024-24982-000	024-24988-001	024-24988-001
-50	1	024-24988-001	024-24775-000	024-24988-001	024-24988-001	024-24988-001
	2	—	024-24988-001	024-24988-001	024-24988-001	024-24988-001
-58	1	024-24988-000	024-24775-000	024-24775-000	024-24775-000	024-24982-000
	2	—	024-24775-000	024-24775-000	024-24982-000	024-24982-000
-64	1	024-24988-001	024-24775-000	024-24988-001	024-24988-001	024-24988-001
	2	—	024-24988-001	024-24988-001	024-24988-001	024-24988-001

S&D
PJS



Item No.	Description	Part Number
1	Contactor, Fan (4 Req'd)	024-24989
2	Fuse 5 AMP; 8-9FU (2 Req'd)	025-27922
3	Fuse 15 AMP; 7FU (1 Req'd)	025-25584
4	Fuse 25 AMP; 1-6FU (6 Req'd)	025-27509-015
5	Transformer, Current (3 Req'd)	025-27408
6	Transformer, Control Voltage	025-27509-009
7	Analog/Power Supply (Combo Board)	031-00915
8	Relay Board #1	031-00769
9	Micro Logic Board	031-00805
10	Relay (DPDT)	025-27509-010
11	Cooler Heater Thermostat	025-17622
12	Suppressor, Transient (4 Req'd)	031-00960
13	Suppressor, Transient (2 Req'd)	031-00959
14	Suppressor, Arc. with Varistor	025-27509-016
15	Suppressor, Varistor (6 Req'd)	031-00927
16	Transducer, Discharge	025-28643
17	Transducer, Oil & Suction (2 Req'd)	025-25927
18	Cutout, High Pressure	025-26945
19	Outside Air Temperature Sensor	025-28663-001
20	Water Temperature Sensor (RWT, LWT)	025-25195

FIG. 5 — UNIT CONTROLS - YCAQ10-R11

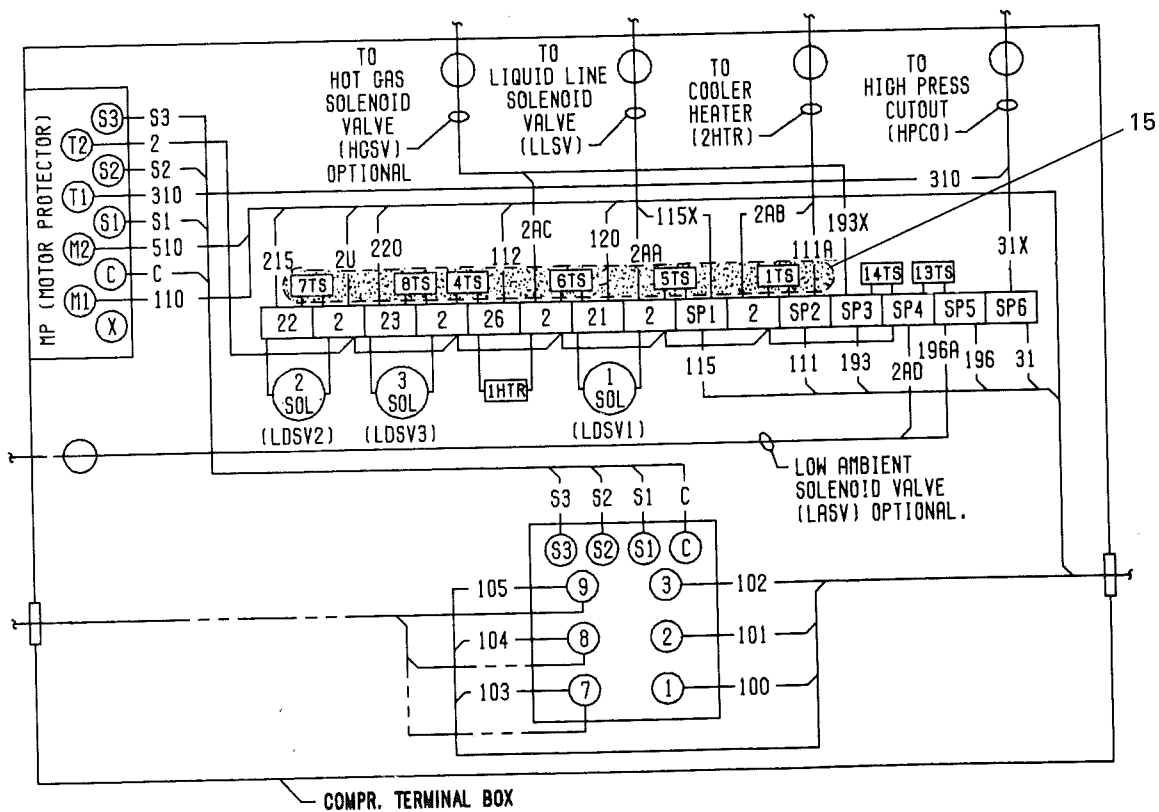
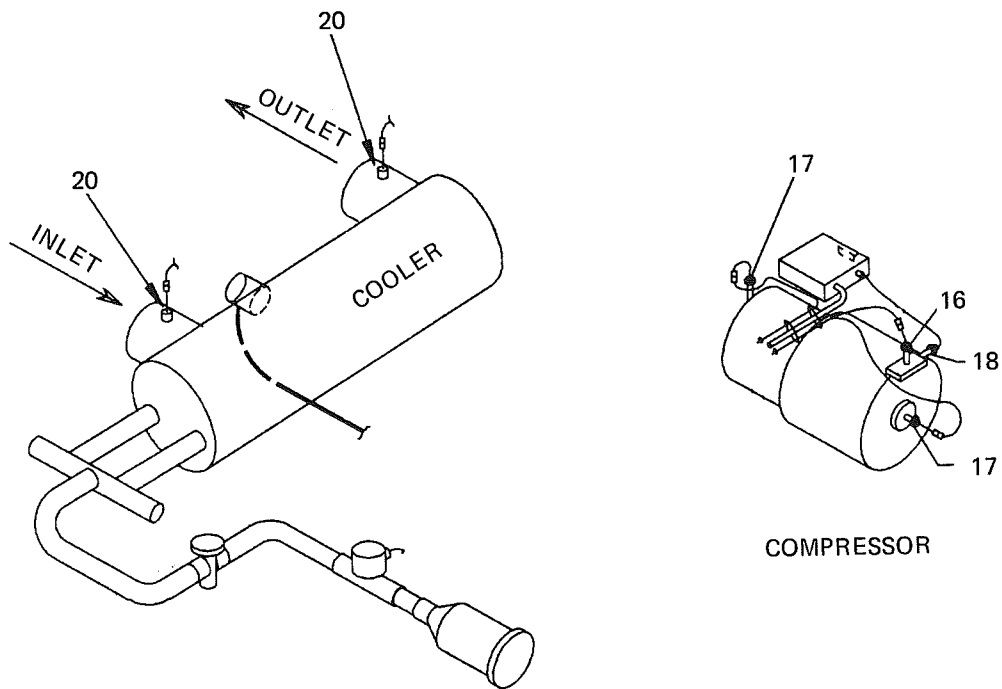
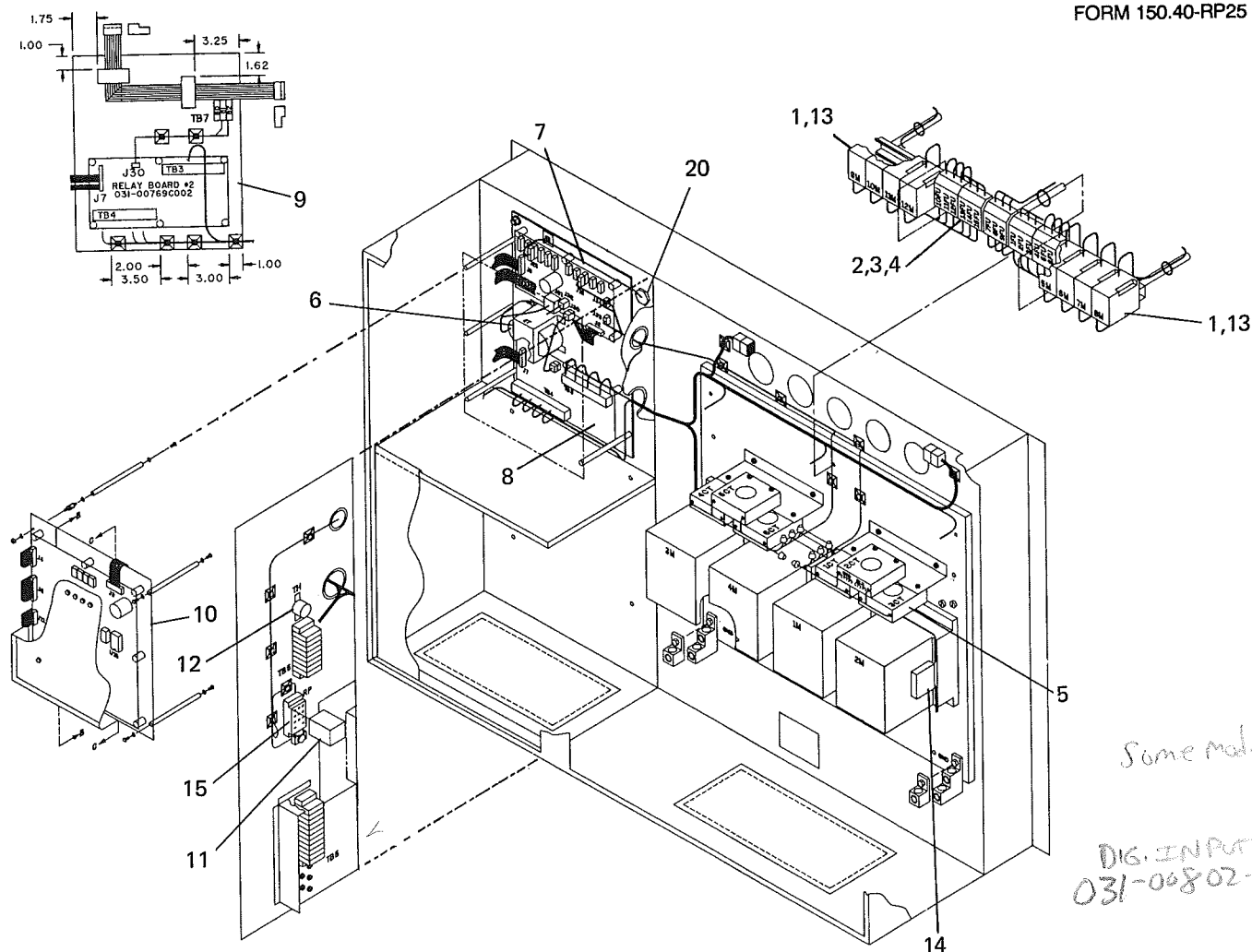


FIG. 5 — Continued



Item No.	Description	Part Number
1	Contactors, Fan (8 Req'd)*	024-24989
2	Fuse 5 AMP; 8-9FU (2 Req'd)	025-27922
3	Fuse 15 AMP; 7FU (1 Req'd)	025-25584
4	Fuse 25 AMP; 1-6, 10-15FU (12 Req'd)	025-27509-015
5	Transformer, Current (6 Req'd)	025-27408
6	Transformer, Control Voltage	025-27509-009
7	Analog/Power Supply (Combo Board)	031-00915
8	Relay Board #1	031-00769
9	Relay Board #2	031-00769-002
10	Micro Logic Board	031-00805
11	Relay (DPDT)	025-27509-010
12	Cooler Heater Thermostat	025-17622
13	Suppressor, Transient (8 Req'd)	031-00960
14	Suppressor, Transient (4 Req'd)	031-00959
15	Suppressor, Arc. with Varistor.	025-27509-016
16	Suppressor, Varistor (7 Req'd)	031-00927
17	Transducer, Discharge	025-28643
18	Transducer, Oil & Suction	025-25927
19	Cutout, High Pressure	025-26945
20	Outside Air Temperature Sensor	025-28653-001
21	Water Temperature Sensor (LWT, RWT)	025-25195

*7 Req'd on YCAM12 & N13

FIG. 6 — UNIT CONTROLS - YCA-M12, H19, J65G18, J66G18

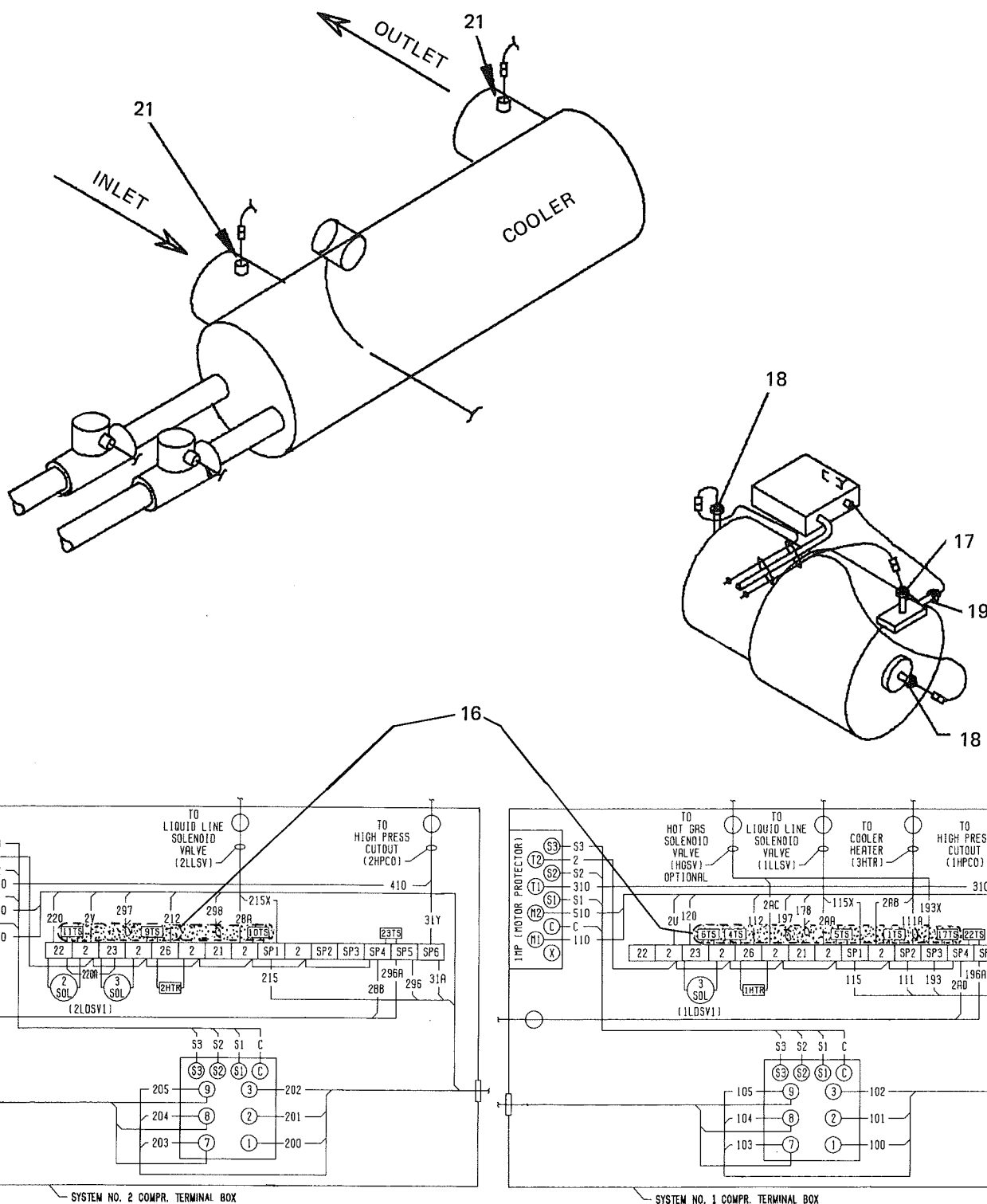


FIG. 6 — Continued

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**Applied
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YORK has a policy of continuous product improvement, and reserves the right to change specifications and designs without notice.

Printed in U.S.A.

Form 150.40-RP25

Supersedes: 150.40-RP25 (489)

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RPC 5M 491 .60

CODES: ERR, RNP, SN

COILS

TOTAL P. 01



RecipPak LIQUID CHILLERS

AIR COOLED — RECIPROCATING HERMETIC

RENEWAL PARTS

Supersedes: Form 150.40-RP25 (489)

481

FORM 150.40-RP25

MODELS

OLD STYLE NOMENCLATURE

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YCAM12	YCAN13
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YCAG18	YCAH19
YCAJ65G18	
YCAJ66G18	

NEW STYLE NOMENCLATURE

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YCAJ46ML4	YCAJ57ML5
YCAJ66NM4	YCAJ77NM5
YCAJ68SN4	YCAJ79SN5
YCAJ88VP4	YCAJ99VP5
YCAJ98VP4	
YCAJ99VP4	

STYLE D



VISUALLY CHECK THE UNIT
IN SERVICE PRIOR TO ORDER

REPLACEMENT COILS
FOR THESE UNITS -
IDENTIFY AS FOLLOWS!

ROWS	DISCHARGE IN	LIQUID OUT	PART NO.
3	4	1	026-31366
4	4	2	026-29608
4	6	3	026-31367
6	6	3	026-29609

COILS FOR ABOVE UNITS
MUST BE MATCHED
TO CONFIGURATION
SHOWN ABOVE.
DO NOT RELY ON
RP MANUAL ONLY.

NOTE
LUG & DRUG
HEADERS ARE NOT
AVAILABLE -
MUST USE OTHERS