



MILLENNIUM®
AIR-COOLED CONDENSING UNIT
HERMETIC SCROLL 50 HZ

RENEWAL PARTS

Supersedes: 150.63-RP2 (601)

Form: 150.63-RP2 (302)

**MODELS YCUL0045, 0061, 0081, 0095, 0121, 0125, 0145, 0161,
0171, 0185, 0211, 0235, 0255 AND YCUL0275**



YCUL-01



ALLY

12-78 TON
45-275 Kw
50 Hz



380-415 / 3 / 50
MODELS ONLY

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WARNING

**HIGH VOLTAGE
IS USED IN THE OPERATION OF THIS EQUIPMENT.
DEATH OR SERIOUS INJURY**

MAY RESULT IF PERSONNEL FAIL TO OBSERVE SAFETY PRECAUTIONS.

Work on electronic equipment should not be undertaken unless the individual(s) have been trained in the proper maintenance of equipment and is (are) familiar with its potential hazards.

Shut off power supply to the equipment before beginning work and follow lockout procedures. When working inside equipment with power off, take care to discharge every capacitor likely to hold dangerous potential.

Be careful not to contact high voltage connections when installing or operating this equipment.

LOW VOLTAGE

DO NOT be misled by the term "low voltage." Voltages as low as 50 volts may cause death.

UNIT NOMENCLATURE NAMEPLATE ENGINEERING DATA

BASIC PART NUMBER

YCUL0235SC46XAA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BASE PRODUCT TYPE				NOMINAL CAPACITY				UNIT DESIGNATOR	REFRIGERANT	VOLTAGE/STARTER			DESIGN/DEVELOPMENT LEVEL	
Y	C	U		#	#	#	#	S	C	5	0	X	A	A
: YORK : Chiller : Condensing Unit L : Scroll				Tons/Kw 0045 to 0275				Standard Unit	:R-22	:380-415/3/50 X :Across the Line			:Design Series A :Engineering Change or PIN Level	

PART NUMBER – LETTER CODES

16 17 18 19	20 21 22 23 24 25 26 27 28	29 30 31 32 33 34 35 36 37
POWER FIELD	CONTROLS FIELD	COMPRESSOR / PIPING FIELD
X X : MP Supply TB S X : SP Supply TB S D : SP NF Disconnect Switch B X : SP Circuit Breaker w/ Lockable Handle T : Control Transformer (factory) C : Power Factor Capacitor	L H A T S F G R S B L N X P R : Low Ambient Kit (factory) : High Ambient Kit (factory) : Both Low / High Ambient (factory) : BAS/EMS Temp. Reset / Offset : Spanish LCD & Keypad Display : French LCD & Keypad Display : German LCD & Keypad Display : Discharge Pressure Transducers/ Readout Kit : Suction Pressure Transducers / Readout Kit : Both Discharge & Suction Pressure Transducers / Readout : N. American Safety Code (cU.L./cETL) : No Listing (typically 50 HZ non-CE, non-U.L.) : Remote Control Panel S : Sequence Control & Automatic Lead Transfer	# # T S C X 1 X X X X :Low Temp. Brine (LBrT) :Thermal Storage :Chicago Relief Code :Hot Gas By-Pass (# circuits)

MP = Multiple Point

SP = Single Point

NF = Non-Fused

TB = Terminal Block

Ser. = Service

Ind. Sys. Brkr. & L. Ext. Handles = Individual System Breaker & Lockable External Handle

38 39 40 41 42 43 44	45 46 47	48 49 50 51 52 53 54
EVAP. FIELD	CONDENSER FIELD	CABINET FIELD
3 D W V S A R X : 300 PSIG DWP Waterside : Double Thick Insulation : Weld Flange Kit : Victaulic Flange Kit : Flow Switch : ASME Pressure Vessel & Associated Codes : Remote DX Cooler	X C B P X X : Aluminum : Copper : Black Fin : Phenolic X : TEAO Fan Motors	X 1 2 3 4 5 6 7 8 B X X L X : Wire Condenser Headers Only (factory) : Wire (Full Unit) Enc. Panels (factory) : Wire (Full Unit) Enc. Panels (field) : Wire/Louvered Enc. Panels (factory) : Wire/Louvered Enc. Panels (field) : Louvered (Cond. Only) Enc. Panels (factory) : Louvered (Cond. Only) Enc. Panels (field) : Louvered (Full Unit) Enc. Panels (factory) : Louvered (Full Unit) Enc. Panels (field) : Acoustic Sound Blanket : Low Sound Fans 1 : 1" Deflection S : Seismic N : Neoprene Pads

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EXTENDED FIELD

- X : 1st Year Parts Only
B : 1st Year Parts & Labor
C : 2nd Year Parts Only
D : 2nd Year Parts & Labor
E : 5 Year Compressor Parts Only
F : 5 Year Compressor Parts & Labor Only
G : 5 Year Units Parts Only
H : 5 Year Unit Parts & Labor

NOTES:

- Q :DENOTES SPECIAL / S.Q.
- # :DENOTES STANDARD
- X :w/in OPTIONS FIELD, DENOTES NO OPTION SELECTED
- Agency Files (i.e. U.L. / ETL; CE; ARI; ETC.) will contain info. based on the first 14 characters only.

CONDENSOR COIL COMPONENTS

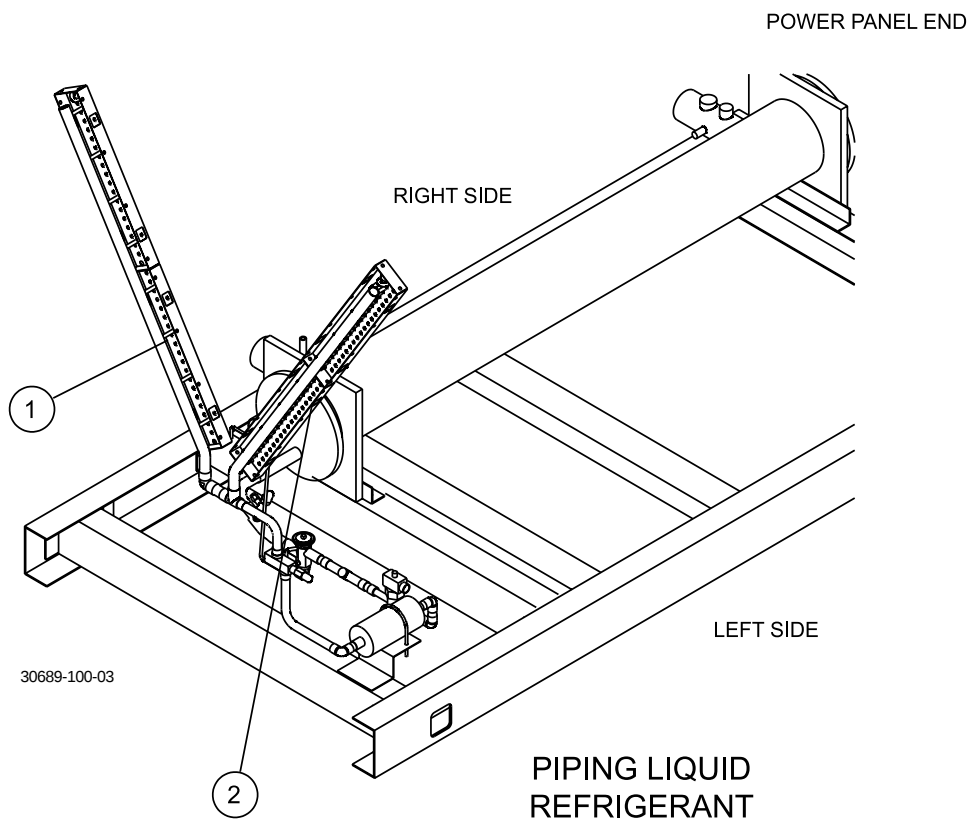
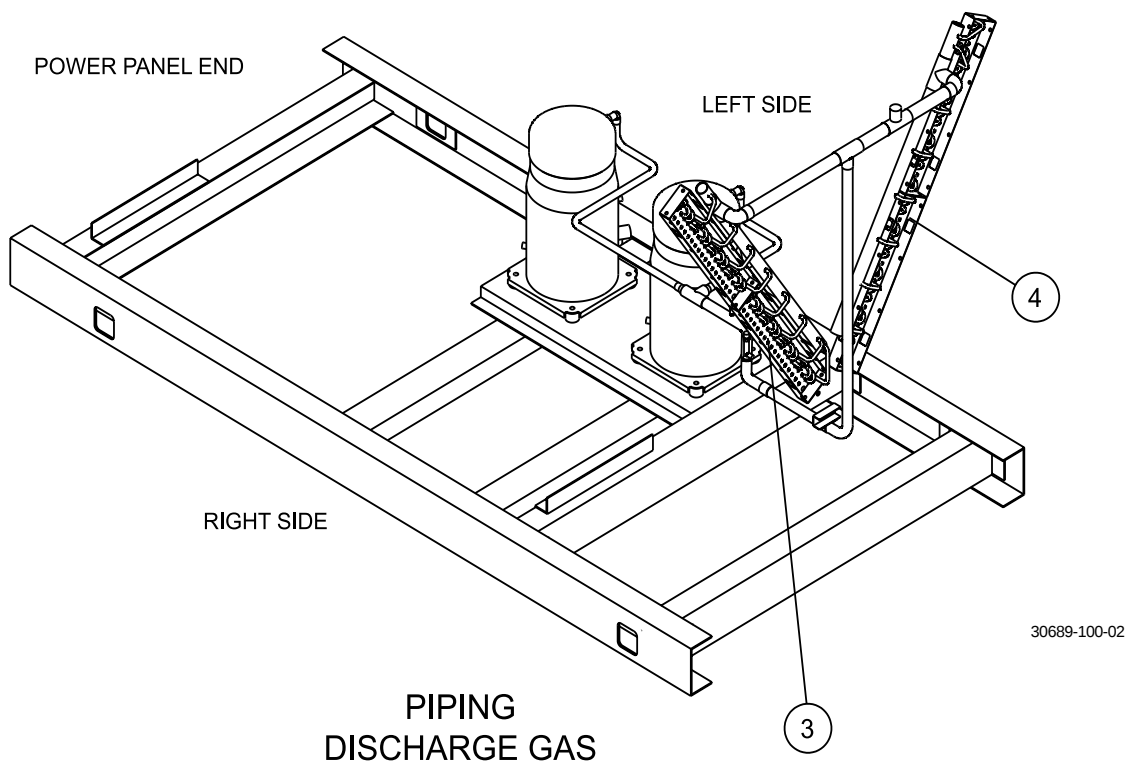


FIG. 1 – CONDENSER COIL LAYOUT (REF. TABLE 1, PAGE 5)

Headers for each circuit are denoted left and right as viewed from power panel end of chiller.

CONDENSOR COIL COMPONENTS (CONT'D)

TABLE 1 – CONDENSER COILS – YCUL0045, 0061, 0081 AND YCUL0095 (SEE FIG. 1, PAGE 4)

ITEM NUMBER	DESCRIPTION	POSITION	QTY	YCUL0045 & YCUL0061	YCUL0081	YCUL0095
1	Header, Liquid	Right	2	375-31225-000	375-30685-000	375-25897-000
2	Header, Liquid	Left	2	375-31226-000	375-30686-000	375-25894-000
3	Header, Discharge	Right	2	375-31223-000	375-30683-000	375-30607-000
4	Header, Discharge	Left	2	375-31224-000	375-30684-000	375-30608-000
ALUMINUM FIN COILS						
5	Coils (Not Shown)	Both	4	375-30636-100	375-30675-100	375-30603-200
BLACK FIN COILS						
5	Coils (Not Shown)	Both	4	375-30957-100	375-30958-100	375-30959-200
PHENOLIC COILS						
5	Coils (Not Shown)	Both	4	375-30970-100	375-30971-100	375-30972-200
COPPER COILS						
5	Coils (Not Shown)	Both	4	375-30793-100	375-30974-100	375-30795-200

TABLE 1 – CONDENSER COILS – YCUL0121, 0125, 0145, 0161, 0171 AND YCUL0185 (SEE FIG. 1, PAGE 4)

ITEM NUMBER	DESCRIPTION	POSITION	QTY	YCUL0121	YCUL0125, 0145 0171 & YCUL0185	YCUL0161
1	Header, Liquid	Right	2	375-25897-000	375-30626-000	375-30766-000
2	Header, Liquid	Left	2	375-25894-000	375-30627-000	375-30767-000
3	Header, Discharge	Right	2	375-30607-000	375-30619-000	375-30764-000
4	Header, Discharge	Left	2	375-30608-000	375-30620-000	375-30765-000
ALUMINUM FIN COILS						
5	Coils (Not Shown)	Both	4	375-30603-100	375-30615-100	375-30751-100
BLACK FIN COILS						
5	Coils (Not Shown)	Both	4	375-30959-100	375-30408-100	375-30944-100
PHENOLIC COILS						
5	Coils (Not Shown)	Both	4	375-30972-100	375-30409-100	375-30945-100
COPPER COILS						
5	Coils (Not Shown)	Both	4	375-30795-100	375-30410-100	375-30946-100

TABLE 1 – CONDENSER COILS – YCUL0211, 0235, 0255 AND YCUL0275 (SEE FIG. 1, PAGE 4)

ITEM NUMBER	DESCRIPTION	POSITION	QTY	YCUL0211	YCUL0235	YCUL0255	YCUL0275
1	Header, Liquid	Right	4	375-30669-000	375-30669-000	375-30447-000	375-30447-000
2	Header, Liquid	Left	4	375-30668-000	375-30668-000	375-30446-000	375-30446-000
3	Header, Discharge	Right	4	375-30663-000	375-30663-000	375-25897-000	375-25897-000
4	Header, Discharge	Left	4	375-30662-000	375-30662-000	375-25894-000	375-25894-000
ALUMINUM FIN COILS							
5	Coils (Not Shown)	Both	8	375-30778-100	375-30778-200	375-25892-200	375-25897-100
BLACK FIN COILS							
5	Coils (Not Shown)	Both	8	375-30947-100	375-30947-200	375-25956-200	375-25956-100
PHENOLIC COILS							
5	Coils (Not Shown)	Both	8	375-30948-100	375-30948-200	375-30954-200	375-30954-100
COPPER COILS							
5	Coils (Not Shown)	Both	8	375-30949-100	375-30949-200	375-30955-200	375-30955-100

FAN COMPONENTS

SERVICE NOTE:

Fan Hub to Shaft Joint should be sealed with protective coating - factory uses RUST VETO 344 - a solvent type, rust preventative coating.

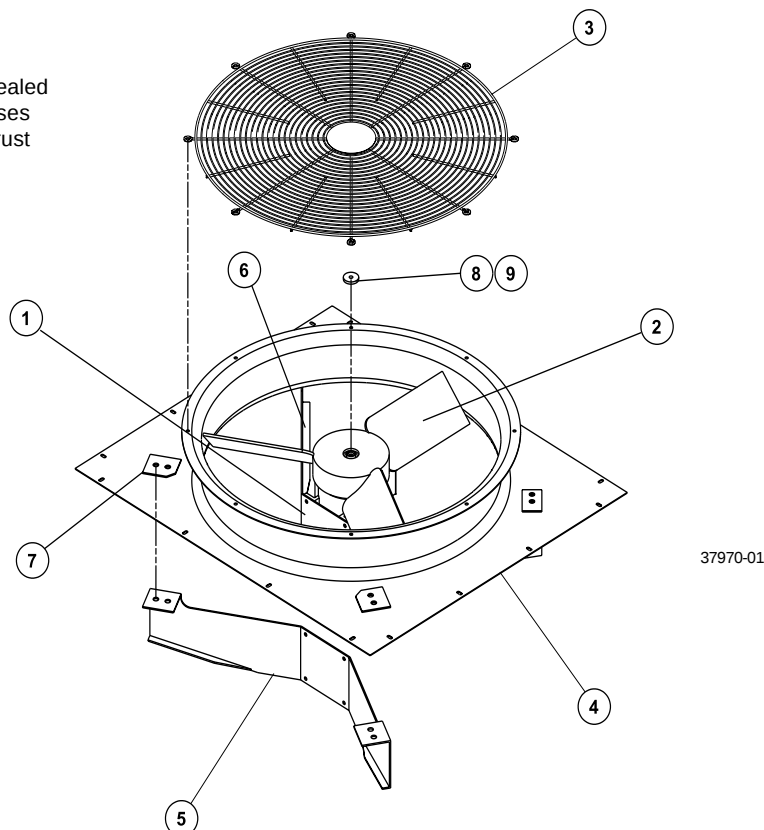


FIG. 2 – FAN COMPONENTS

SERVICE NOTE: Pin Location 52 in Model Number will be "X" for Standard Fan, or "L" for Low Noise Fan. See page 5.

TABLE 2 – FAN COMPONENTS

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD 7/8" Ø SHAFT, 967 RPM	LOW NOISE (OPTIONAL) 7/8" Ø SHAFT, 704 RPM
1 ^s	Motor, Fan (YCUL0045-YCUL0275)	-50	024-30900-001	024-30933-001
2 ^s	Blade, (YCUL0045-YCUL0185) Blade, (YCUL0211-YCUL0275)	ALL	026-36579-000 026-35392-000	026-36579-000 026-36531-000
3	Guard, (YCUL0045-YCUL0185) Guard, (YCUL0211-YCUL0275)	ALL	026-37521-001 026-35605-001	026-37521-001 026-35605-002
4	Orifice, (YCUL0045-YCUL0185) Orifice, (YCUL0211-YCUL0275)	ALL	026-37520-000 026-36141-000	
5	Support (YCUL0045-YCUL0185) Support (YCUL0211-YCUL0275)	ALL	075-25413-018 075-25584-000	
6	Support (YCUL0045-YCUL0185) Support (YCUL0211-YCUL0275)	ALL	075-25413-019 075-25583-000	
7	Plate, Reinf. (YCUL0045-YCUL0185) Plate, Reinf. (YCUL0211-YCUL0275)	ALL ALL	075-25413-023 075-25413-024	
8	Screw, Cap	ALL	021-18494-000	
9	Spacer, Fan Motor	ALL	075-29007-000	

^s = Recommended Spare Parts

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REFRIGERANT AND OIL PIPING COMPONENTS CHILLER MODEL YCUL – STYLE SC

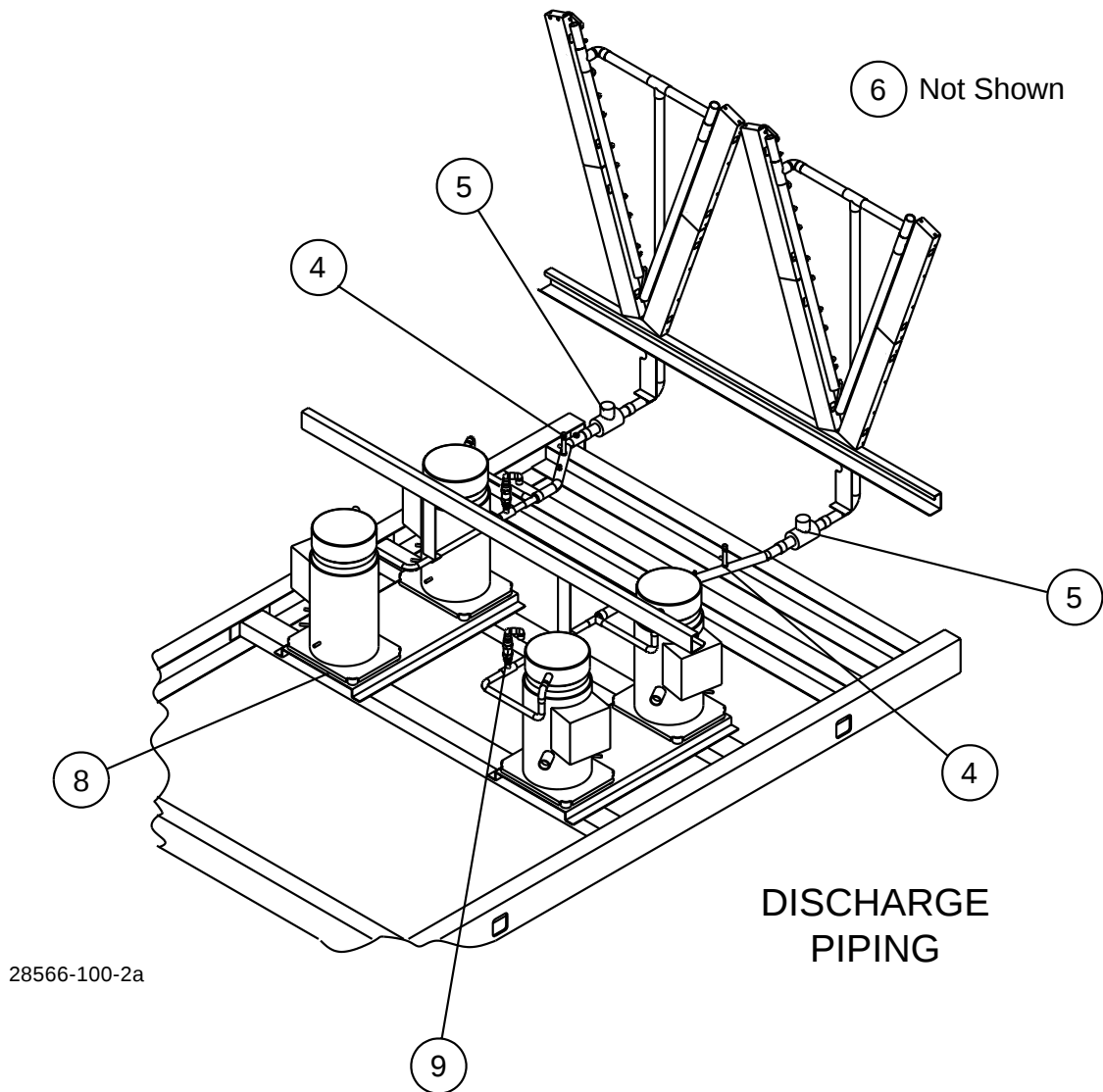


FIG. 3 – REFRIGERANT AND OIL PIPING COMPONENTS - MODEL YCUL0125 SHOWN
(REF. TABLE 3, PAGES 10 AND 11)

REFRIGERANT AND OIL PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCUL – STYLE SC

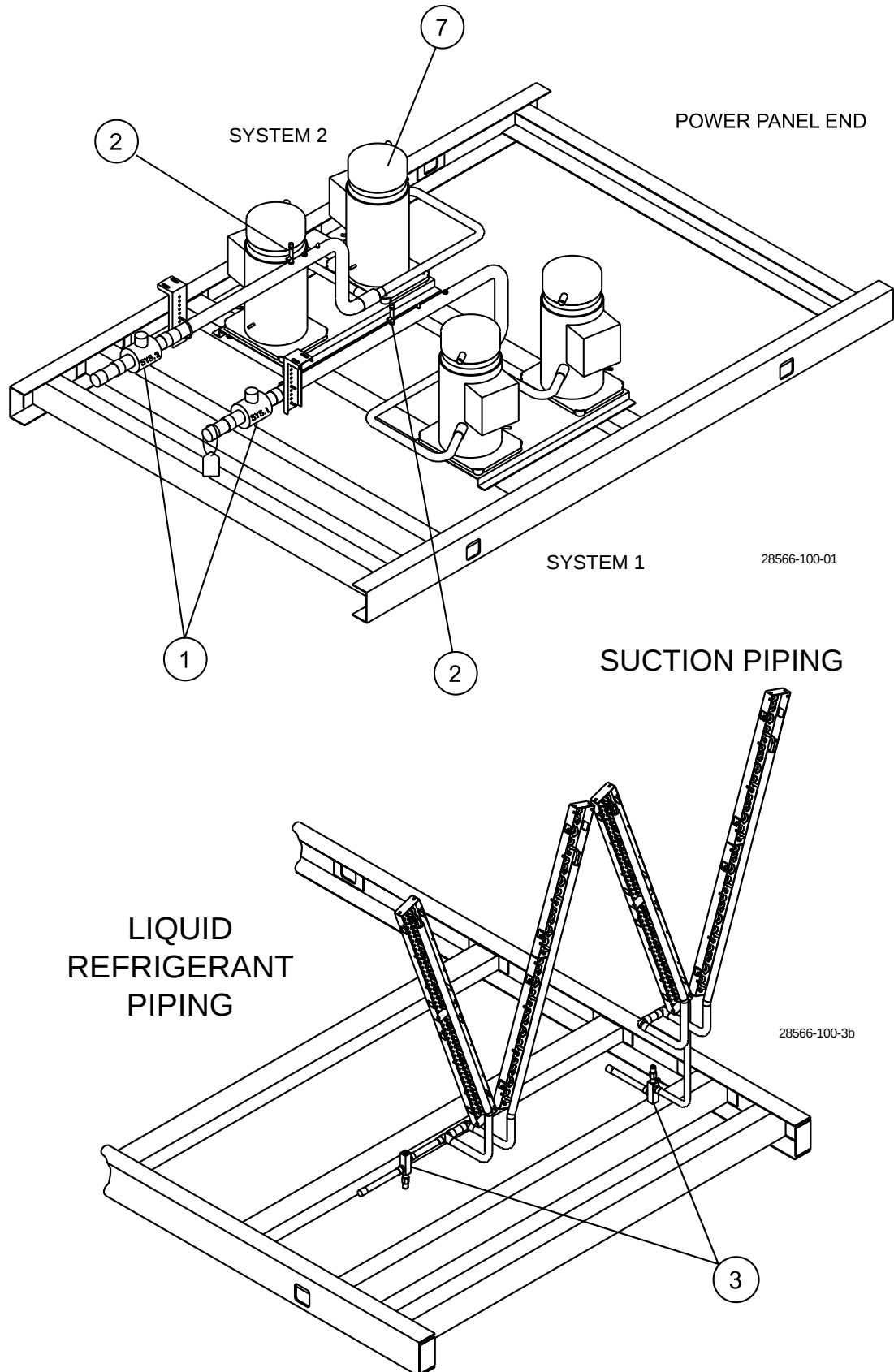


FIG. 4 – REFRIGERANT AND OIL PIPING COMPONENTS - MODEL YCUL0125 SHOWN
(REF. TABLE 3, PAGES 10 AND 11)

REFRIGERANT AND OIL PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCUL – STYLE SC

TABLE 3 – REFRIGERANT PIPING AND OIL PIPING COMPONENTS
(SEE FIGS. 3 AND 4, PAGES 8 AND 9)

ITEM NO.	SYSTEM	DESCRIPTION	YCUL0045- YCUL0061	YCUL0081	YCUL0095	YCULS0121
1	1	Valve, Shut-Off (Suction)	022-09750	022-09750	022-09752	022-09752
2	1	Valve, Stop (Suction)	022-00009	022-00009	022-00009	022-00009
3 ^s	1	Valve, Stop (Liquid)	022-02992	022-02992	022-02992	022-02992
4	1	Valve, Stop (Discharge)	022-00009	022-00009	022-00009	022-00009
5	1	Valve, Shut-Off (Discharge)	022-09749	022-09749	022-09750	022-08883
6	1	Insulation, 1 1/8"	010-02841	N/A	N/A	N/A
	1	Insulation, 1 3/8"	010-02848	N/A	N/A	N/A
	1	Insulation, 1 5/8"	010-03628	010-03628	010-03628	010-03628
	1	Insulation, 2 1/8"	N/A	010-02842	010-02842	010-02842
7	1	Compressor	See Pages 14 and 15 for Compressor Part Numbers			
8	1	Isolator Kit, Compressor	5710029P03	5710029P03	5710029P03	5710029P03
9	1	Valve, Relief	022-08863	022-08863	022-08882	022-08882

^s Recommended Spare Part

ITEM NO.	SYSTEM	DESCRIPTION	YCUL0125- YCUL0145	YCUL0161	YCUL0171	YCUL0185
1	1	Valve, Shut-Off (Suction)	022-09752	022-09752	022-09752	022-09752
2	1	Valve, Stop (Suction)	022-00009	022-00009	022-00009	022-00009
3 ^s	1	Valve, Stop (Liquid)	022-02992	022-02992	022-02992	022-02992
4	1	Valve, Stop (Discharge)	022-00009	022-00009	022-00009	022-00009
5	1	Valve, Shut-Off (Discharge)	022-09750	022-09750	022-08883	022-08883
6	1	Insulation, 1 1/8"	N/A	N/A	N/A	N/A
	1	Insulation, 1 3/8"	010-02848	N/A	N/A	N/A
	1	Insulation, 1 5/8"	010-03628	010-03628	010-03628	010-03628
	1	Insulation, 2 1/8"	010-02842	010-02842	010-02842	010-02842
7	1	Compressor	See Pages 14 and 15 for Compressor Part Numbers			
8	1	Isolator Kit, Compressor	5710029P03	5710029P03	5710029P03	5710029P03
9	1	Valve, Relief	022-08863	022-08863	022-08882	022-08882

^s Recommended Spare Part

Note: York Part Number for Adhesive - 013-00852-000

REFRIGERANT AND OIL PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCUL – STYLE SC

TABLE 3 (CONT'D) – REFRIGERANT PIPING AND OIL PIPING COMPONENTS
(SEE FIGS. 3 AND 4, PAGES 8 AND 9)

ITEM NO.	SYSTEM	DESCRIPTION	YCUL0211	YCUL0235	YCUL0255	YCULS0275
1	1	Valve, Shut-Off (Suction)	022-09752	022-09752	022-09752	022-09753
2	1	Valve, Stop (Suction)	022-00009	022-00009	022-00009	022-00009
3 ^s	1	Valve, Stop (Liquid)	022-10022	022-10022	022-10022	022-10022
4	1	Valve, Stop (Discharge)	022-00009	022-00009	022-00009	022-00009
5	1	Valve, Shut-Off (Discharge)	022-08883	022-08883	022-08883	022-09751
6	1	Insulation, 1 1/8"	N/A	N/A	N/A	N/A
	1	Insulation, 1 3/8"	010-02848	N/A	N/A	N/A
	1	Insulation, 1 5/8"	N/A	010-03628	010-03628	010-03628
	1	Insulation, 2 1/8"	010-02842	010-02842	010-02842	010-02842
7	1	Compressor	See Pages 14 and 15 for Compressor Part Numbers			
8	1	Isolator Kit, Compressor	5710029P03	5710029P03	5710029P03	5710029P03
9	1	Valve, Relief	022-08882	022-08882	022-08882	022-08882

^s Recommended Spare Part

Note: York Part Number for Adhesive - 013-00852-000

COMPRESSOR

YCUL0125, YCUL0145, YCUL0161
YCUL0171 & YCUL0185

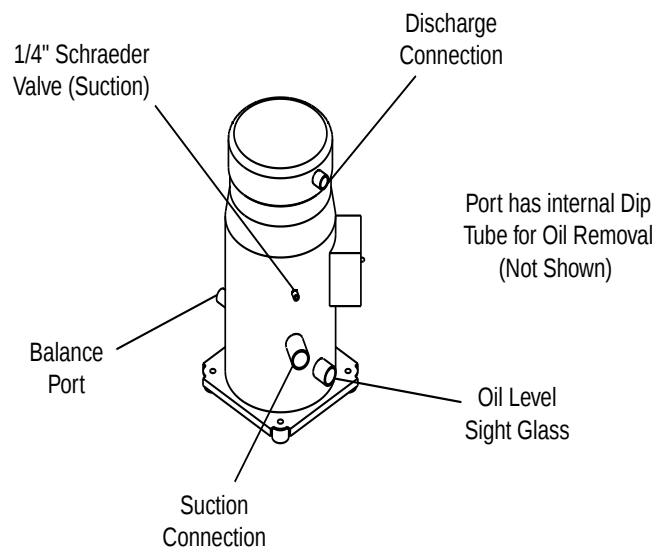
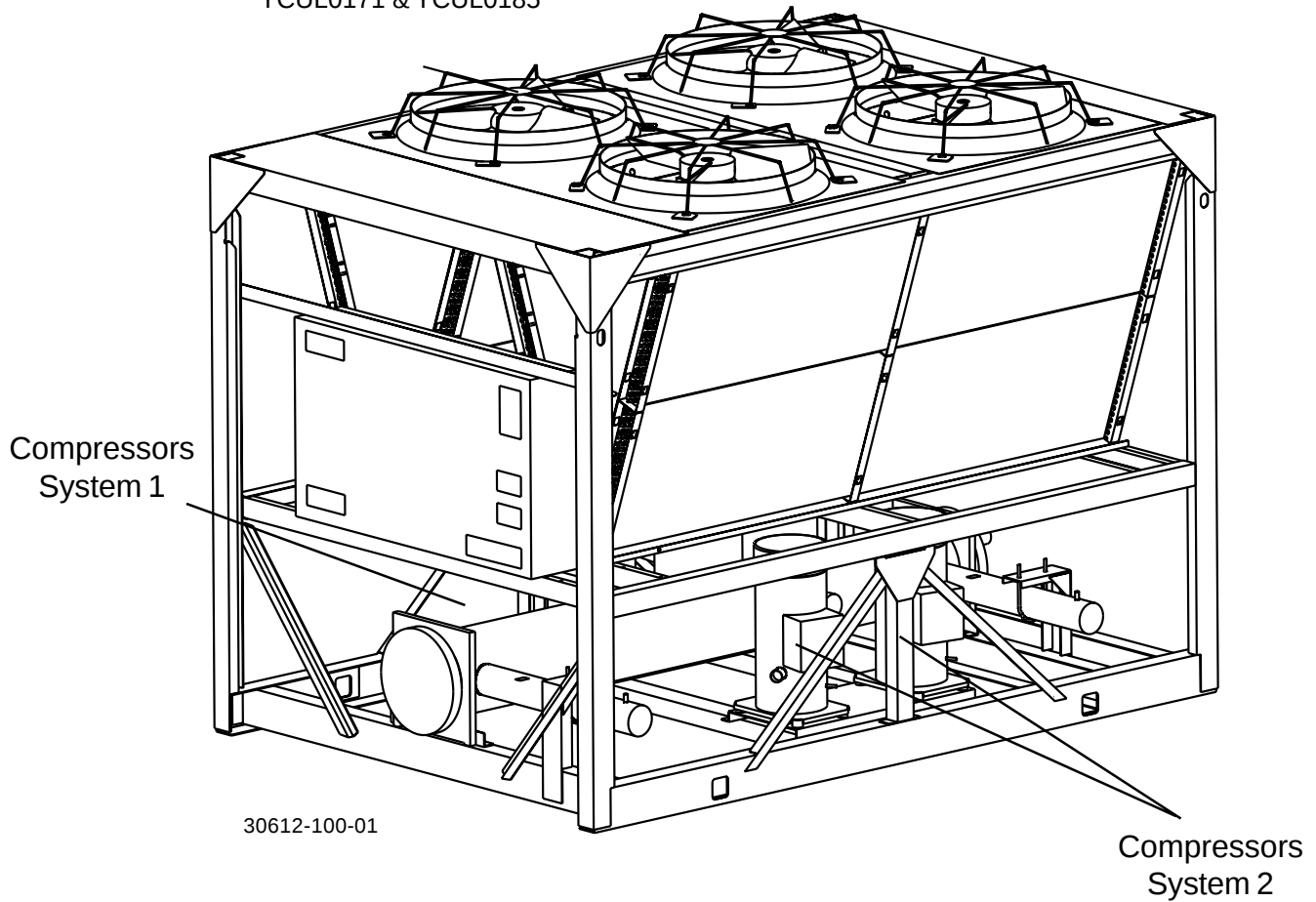


FIG. 5 – COMPRESSOR - YCUL0125 THROUGH YCUL0185 (REF. TABLE 4, PAGE 14)

COMPRESSOR (CONT'D)

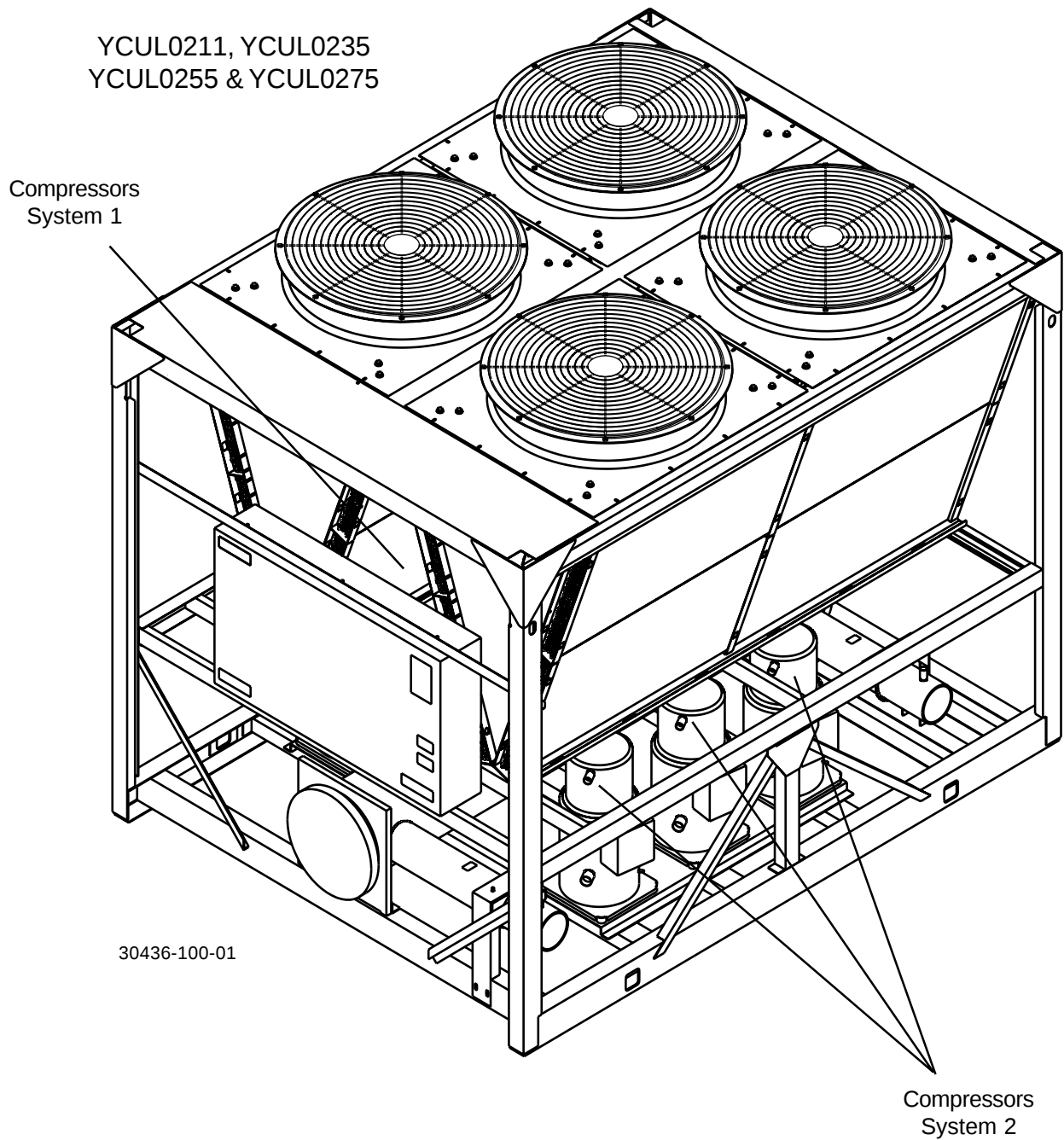


FIG. 6 – COMPRESSOR - YCUL0211 THROUGH YCUL0275 (REF. TABLE 4, PAGE 14)

COMPRESSOR (CONT'D)

TABLE 4 – COMPRESSOR PART NUMBERS (SEE FIGS. 5 AND 6, PAGES 12 AND 13)

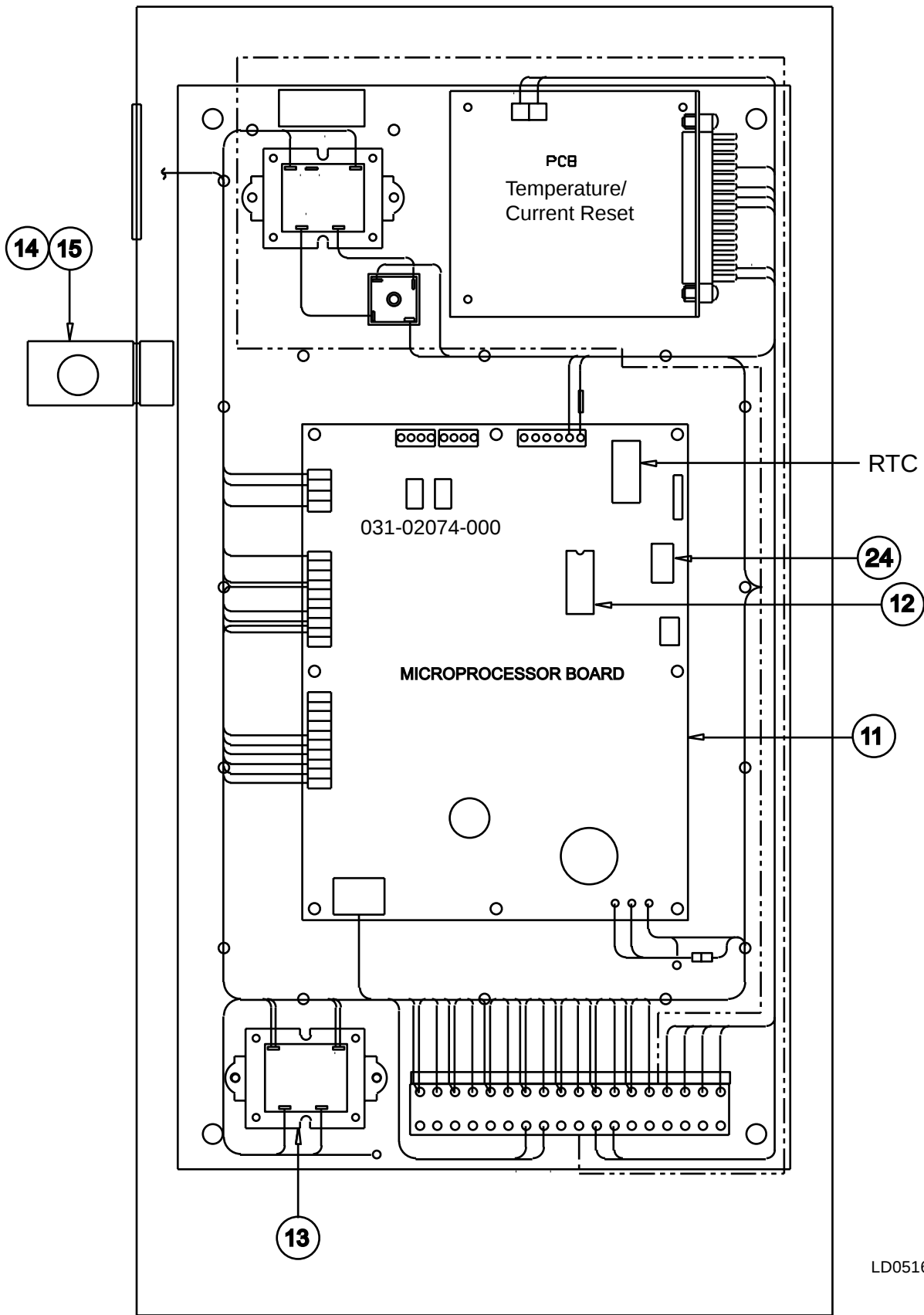
MODEL	VOLTAGE CODE	QTY		SYSTEM #1 COMPRESSOR		SYSTEM #2 COMPRESSOR	
		SYS 1	SYS 2	PART #	MODEL #	PART #	MODEL #
YCUL0045	-50	2	N/A	026-36517-004	SM090	N/A	N/A
YCUL0061	-50	2	N/A	026-36518-004	SM120	N/A	N/A
YCUL0081	-50	2	N/A	026-36500-002	SM160	N/A	N/A
YCUL0095	-50	2	N/A	026-36162-002	SM185	N/A	N/A
YCUL0121	-50	3	N/A	026-36500-002	SM160	N/A	N/A
YCUL0125	-50	2	2	026-36514-002	SM125	026-36514-002	SM125
YCUL0145	-50	2	2	026-36500-002	SM160	026-36514-002	SM125
YCUL0161	-50	2	2	026-36500-002	SM160	026-36500-002	SM160
YCUL0171	-50	2	2	026-36162-002	SM185	026-36500-002	SM160
YCUL0185	-50	2	2	026-36162-002	SM185	026-36162-002	SM185
YCUL0211	-50	3	3	026-36500-002	SM160	026-36514-002	SM125
YCUL0235	-50	3	3	026-36500-002	SM160	026-36500-002	SM160
YCUL0255	-50	3	3	026-36162-002	SM185	026-36500-002	SM160
YCUL0275	-50	3	3	026-36162-002	SM185	026-36162-002	SM185

ITEM	DESCRIPTION	MODEL
		YCUL0045 - YCUL0275
OIL ^s	OIL, TYPE 'F'	011-00434-000

^s Recommended Spare Part

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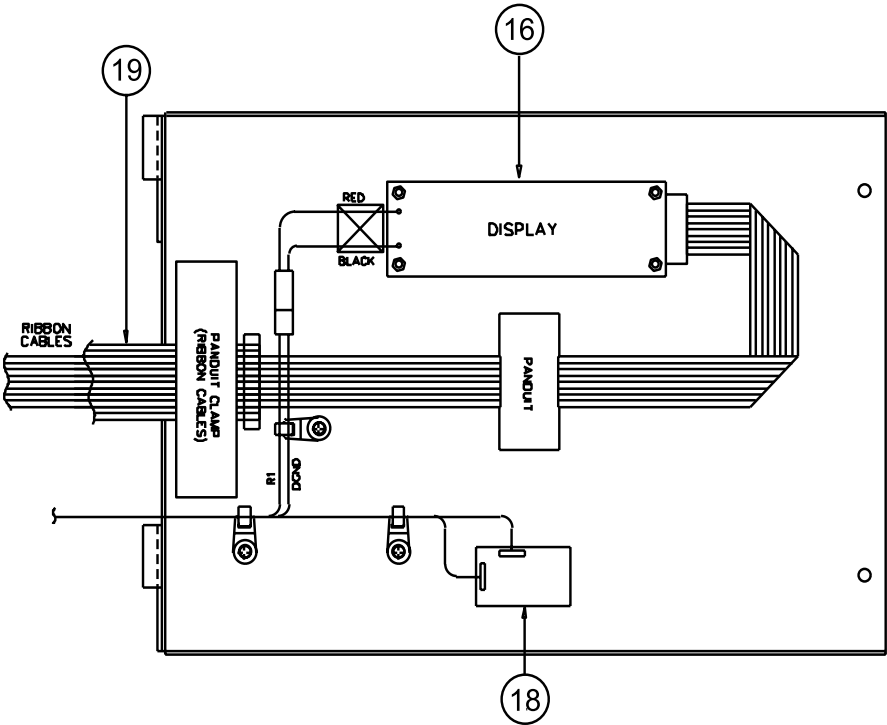
CONTROL PANEL AND POWER PANEL



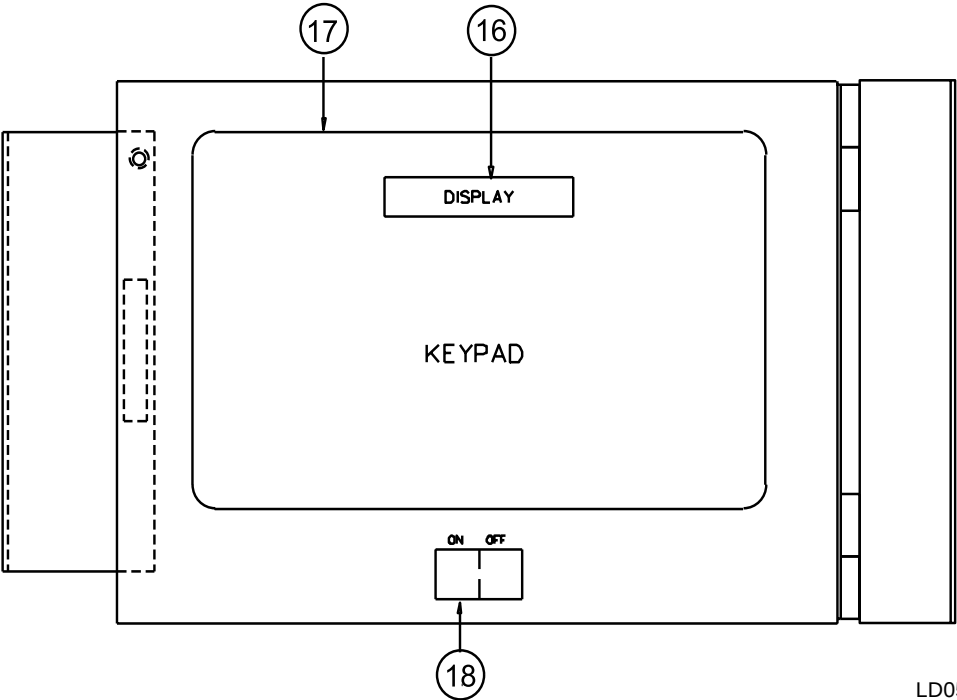
LD05166

FIG. 7 – CONTROL PANEL COMPONENTS (REF. TABLE 6, PAGES 23-42)

CONTROL PANEL AND POWER PANEL (CONT'D)



DISPLAY DOOR REAR VIEW

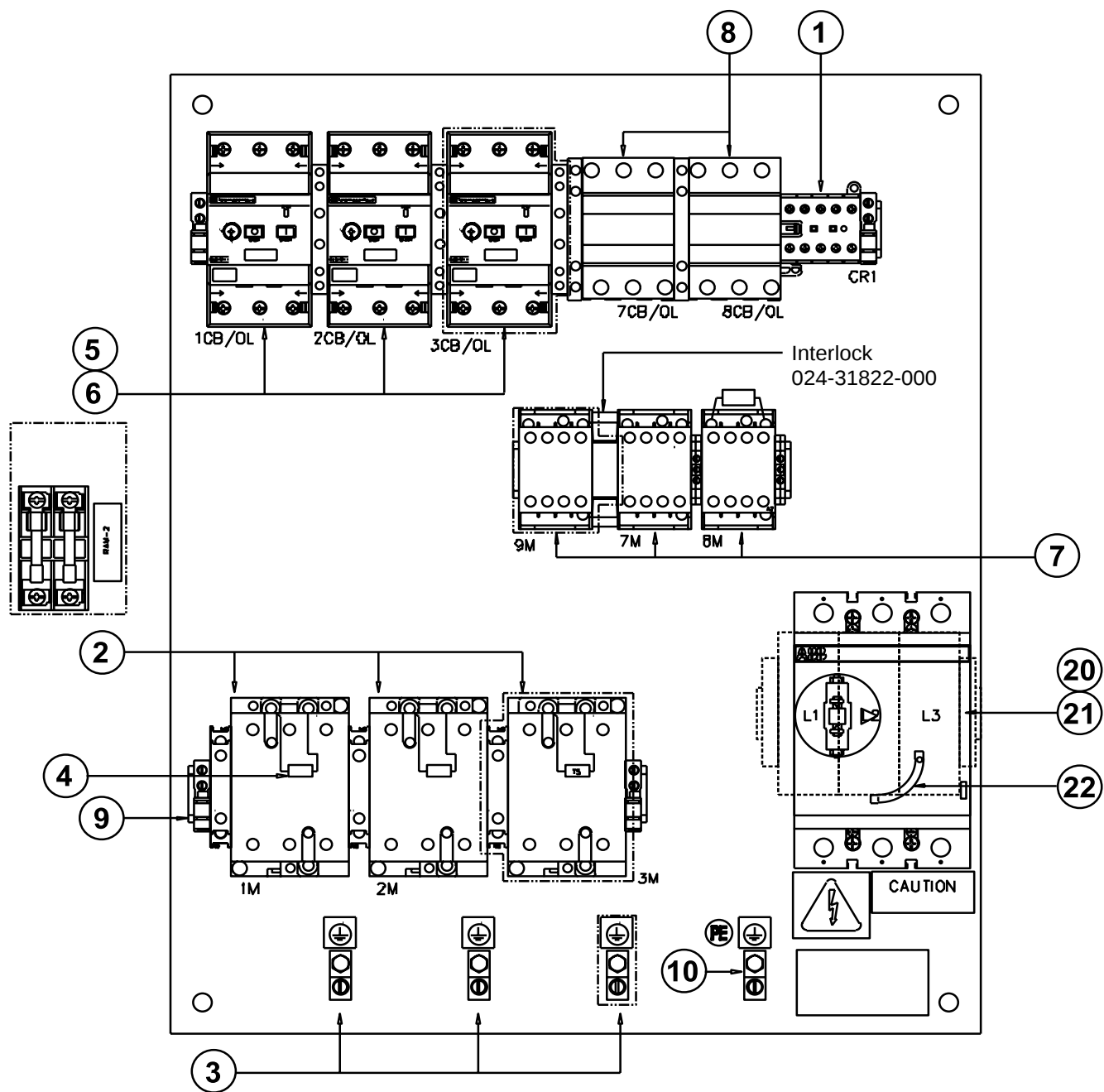


DISPLAY DOOR FRONT VIEW

LD05167

FIG. 8 – CONTROL PANEL COMPONENTS (REF. TABLE 6, PAGES 23-42)

CONTROL PANEL AND POWER PANEL (CONT'D)



LD05161

FIG. 9 – POWER PANEL COMPONENTS - YCUL0045-YCUL0121 (REF. TABLE 6, PAGES 23-42)

CONTROL PANEL AND POWER PANEL (CONT'D)

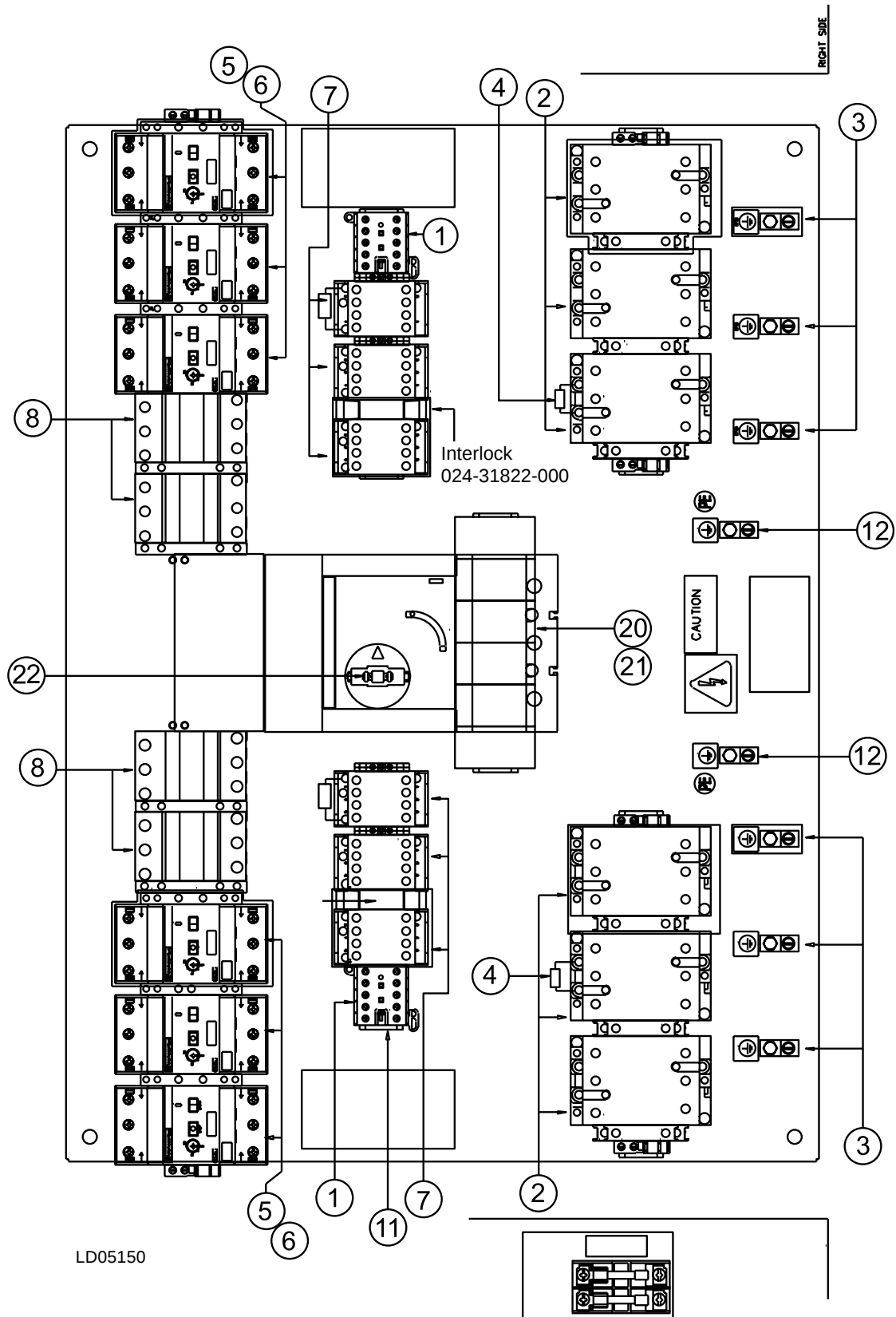


FIG. 10 – POWER PANEL COMPONENTS - YCUL0125-YCUL0185 (REF. TABLE 6, PAGES 23-42)

CONTROL PANEL AND POWER PANEL (CONT'D)

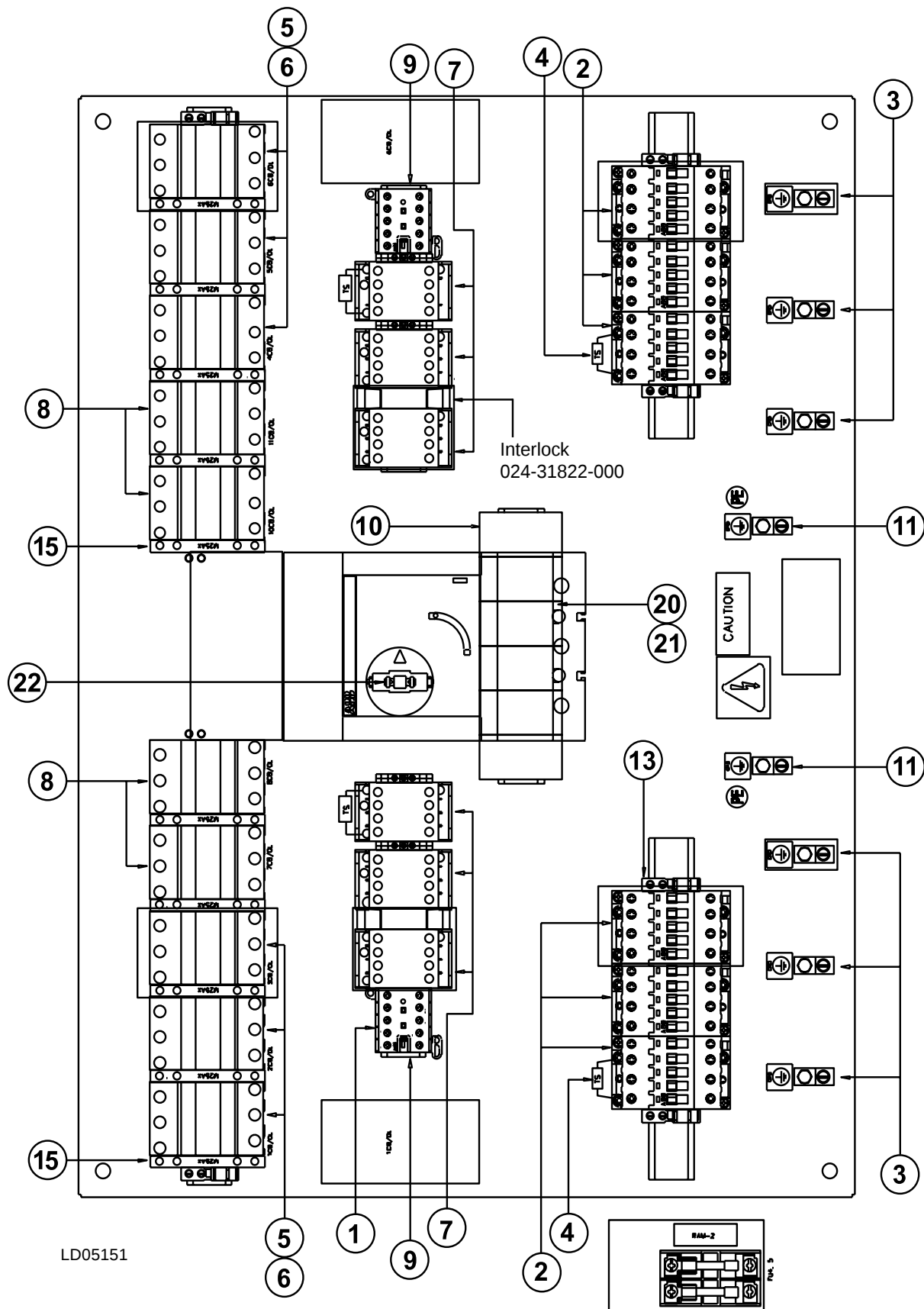


FIG. 11 – POWER PANEL COMPONENTS - YCUL0211-YCUL0275 (REF. TABLE 6, PAGES 23-42)

CONTROL PANEL AND POWER PANEL (CONT'D)

TABLE 5 – CONTROL AND POWER PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER BELOW, THEN REFER TO THE HIGHLIGHTED ROW ON THE 'CONTROL AND POWER PANEL COMPONENTS' TABLE 6, PAGES 22-28 AND SEE FIGS. 7-11, PAGES 16-20)

MODEL	VOLTAGE CODE	POWER PANEL WITH TERMINAL BLOCK	POWER PANEL WITH SEPARATE SYSTEM CIRCUIT BREAKERS	POWER PANEL WITH SEPARATE SYSTEM NF DISCONNECT SWITCHES
		PANEL NUMBER	PANEL NUMBER	PANEL NUMBER
YCUL0045	-50	371-02573-104	371-02573-207	371-02573-307
YCUL0061	-50	371-02573-111	371-02573-214	371-02573-214
YCUL0081	-50	371-02573-118	371-02573-221	371-02573-321
YCUL0095	-50	371-02573-118	371-02573-228	371-02573-328
YCUL0121	-50	371-02573-132	371-02573-235	371-02573-235
YCUL0125	-50	371-02572-104	371-02572-207	371-02572-307
YCUL0145	-50	371-02572-129	371-02572-230	371-02572-330
YCUL0161	-50	371-02572-111	371-02572-214	371-02572-314
YCUL0171	-50	371-02572-118	371-02572-221	371-02572-321
YCUL0185	-50	371-02572-111	371-02572-228	371-02572-328
YCUL0211	-50	371-02751-104	371-02571-207	371-02571-307
YCUL0235	-50	371-02751-111	371-02571-214	371-02571-314
YCUL0255	-50	371-02751-103	371-02571-221	371-02571-321
YCUL0275	-50	371-02751-110	371-02571-228	371-02571-328

TABLE 6 – CONTROL PANEL AND POWER PANEL COMPONENTS (SEE FIGS. 7-11, PAGES 16-20)

ITEM NO.	QTY	DESCRIPTION	371-02573 -104	371-02573 -111	371-02573 -118	371-02573 -132	371-02573 -207	371-02573 -214	371-02573 -221
1	1	Contactors 600V (CR 1 & 2)	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000
2	2	Compressor Contactor	024-31830-000	024-31817-000	024-31818-000	024-31818-000	024-31830-000	024-31817-000	024-31818-000
3	2	Ground Lug, Cu	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
4	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
5	2	Compressor Manual Starter	N/A	N/A	025-34489-000	025-34489-000	N/A	N/A	025-34489-000
6	2	Auxilliary Contactor	N/A	N/A	N/A	N/A	N/A	N/A	N/A
7 ^s	2	Fan Contactor	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000
8 ^s	2	Fan Manual Motor Starter	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000
9	2	Din Rail Slotted	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000
10	1	Ground Lug, Cu	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34455-000	025-34455-000	025-34088-000
11 ^s	1	Circuit Board*	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001
12 ^s	1	Firmware EPROM**	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001
13	1	Control Transformer	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000
14	1	Fuse	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000
15	1	Buss	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000
16	1	Display	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000
17	1	Membrane, Keypad	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000
18	1	Switch, On/Off	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
19	1	Assm Ribbon Cable	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211
20	2	Terminal Block, Fan	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000
21	3	Terminal Block	025-35644-000	025-35644-000	025-35644-000	025-34485-000	N/A	N/A	N/A
	1	Circuit Breaker	N/A	N/A	N/A	N/A	024-31837-000	024-31839-000	024-31840-000
	1	NF Disconnect Switch	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22	1	Operator Mechanism	N/A	N/A	N/A	N/A	025-31878-000	025-31878-000	025-31878-000
23	1	Lug Kit (Not Shown)	N/A	N/A	N/A	N/A	025-34477-000	025-34477-000	025-34478-000
24	1	Battery Backup, RTC Chip	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000

^s Recommended Spare Part

* Circuit Board 031-01314-000 has been replaced by Circuit Board 031-02050-001.

** It is recommended that Item 12 (EPROM) be replaced when Item 11 (Circuit Board) is replaced.

CONTROL PANEL AND POWER PANEL (CONT'D)

TABLE 6 (CONT'D) – CONTROL PANEL AND POWER PANEL COMPONENTS (SEE FIGS. 7-11, PAGES 16-20)

ITEM NO.	QTY	DESCRIPTION	371-02573 -228	371-02573 -235	371-02573 -307	371-02573 -314	371-02573 -321	371-02573 -328
1	1	Contactor 600V (CR 1 & 2)	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000
2	2	Compressor Contactor	024-31818-000	024-31818-000	024-31830-000	024-31818-000	024-31818-000	024-31818-000
3	2	Ground Lug, Cu	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
4	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
5	2	Compressor Manual Starter	025-34489-000	025-34489-000	025-34488-000	025-34489-000	025-34489-000	025-34489-000
6	2	Auxilliary Contactor	N/A	N/A	024-31814-000	N/A	N/A	N/A
7 ^s	2	Fan Contactor	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000
8 ^s	2	Fan Manual Motor Starter	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000
9	2	Din Rail Slotted	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000
10	1	Ground Lug, Cu	025-34088-000	025-34088-000	025-34455-000	025-34088-000	025-34455-000	025-34088-000
11 ^s	1	Circuit Board*	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001
12 ^s	1	Firmware EPROM**	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001
13	1	Control Transformer	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000
14	1	Fuse	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000
15	1	Buss	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000
16	1	Display	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000
17	1	Membrane, Keypad	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000
18	1	Switch, On/Off	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
19	1	Assm Ribbon Cable	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211
20	2	Terminal Block, Fan	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000
21	3	Terminal Block	N/A	N/A	N/A	N/A	N/A	N/A
	1	Circuit Breaker	024-31841-000	024-31843-000	024-31839-000	024-31841-000	024-31839-000	024-31843-000
	1	NF Disconnect Switch	N/A	N/A	N/A	N/A	N/A	N/A
22	1	Operator Mechanism	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000
23	1	Lug Kit (Not Shown)	025-34478-000	025-34478-000	025-34477-000	025-34478-000	025-34477-000	025-34478-000
24	1	Battery Backup, RTC Chip	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000

^s Recommended Spare Part

* Circuit Board 031-01314-000 has been replaced by Circuit Board 031-02050-001.

** It is recommended that Item 12 (EPROM) be replaced when Item 11 (Circuit Board) is replaced.

CONTROL PANEL AND POWER PANEL (CONT'D)

TABLE 6 (CONT'D) – CONTROL PANEL AND POWER PANEL COMPONENTS (SEE FIGS. 7-11, PAGES 16-20)

ITEM NO.	QTY	DESCRIPTION	371-02572 -104	371-02572 -111	371-02572 -118	371-02572 -129	371-02572 -207	371-02572 -214	371-02572 -221
1	2	Contactors 600V (CR 1 & 2)	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000
2	2	Compressor Contactor	024-31817-000	024-31818-000	024-31817-000	024-31817-000	024-31817-000	024-31818-000	024-31818-000
	2		024-31817-000	024-31818-000	024-31817-000	024-31818-000	024-31817-000	024-31818-000	024-31818-000
3	4	Ground Lug, Cu	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
4	8	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
5	2	Compressor Manual Starter	025-34453-000	025-34489-000	025-34486-000	025-34453-000	025-34453-000	025-34489-000	025-34489-000
	2		025-34453-000	025-34489-000	025-34486-000	025-34489-000	025-34453-000	025-34489-000	024-31816-000
6	4	Auxilliary Contactor	N/A	N/A	024-31814-000	N/A	N/A	024-31814-000	024-31814-000
7 ^s	4	Fan Contactor	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000
8 ^s	4	Fan Manual Motor Starter	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000
9	2	Din Rail Slotted	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000
10	2	Ground Lug, Cu	025-34088-000	025-34089-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000
11 ^s	1	Circuit Board*	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001
12 ^s	1	Firmware EPROM**	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001
13	1	Control Transformer	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000
14	1	Fuse	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000
15	1	Buss	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000
16	1	Display	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000
17	1	Membrane, Keypad	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000
18	1	Switch, On/Off	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
19	1	Assm Ribbon Cable	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211
20	4	Terminal Block, Fan	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000
21	3	Terminal Block	025-35644-000	025-34485-000	025-34485-000	025-35644-000	N/A	N/A	N/A
	3		025-35644-000	025-34485-000	025-34485-000	025-34485-000	N/A	N/A	N/A
	1	Circuit Breaker	N/A	N/A	N/A	N/A	024-31842-000	024-31844-000	024-31844-000
	1	NF Disconnect Switch	N/A	N/A	N/A	N/A	N/A	N/A	N/A
22	1	Operator Mechanism	N/A	N/A	N/A	N/A	024-31878-000	024-31878-000	024-31878-000
23	1	Lug Kit (Not Shown)	N/A	N/A	N/A	N/A	025-34478-000	025-34479-000	025-34479-000
24	1	Battery Backup, RTC Chip	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000

^s Recommended Spare Part

* Circuit Board 031-01314-000 has been replaced by Circuit Board 031-02050-001.

**It is recommended that Item 12 (EPROM) be replaced when Item 11 (Circuit Board) is replaced.

CONTROL PANEL AND POWER PANEL (CONT'D)

TABLE 6 (CONT'D) – CONTROL PANEL AND POWER PANEL COMPONENTS (SEE FIGS. 7-11, PAGES 16-20)

ITEM NO.	QTY	DESCRIPTION	371-02572 -228	371-02572 -230	371-02572 -307	371-02572 -314	371-02572 -321	371-02572 -328	371-02572 -330
1	2	Contactora 600V (CR 1 & 2)	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000
2	2	Compressor Contactora	024-31813-000	024-31817-000	024-31817-000	024-31818-000	024-31818-000	024-31813-000	024-31817-000
	2		024-31813-000	024-31818-000	024-31817-000	024-31818-000	024-31813-000	024-31813-000	024-31818-000
3	4	Ground Lug, Cu	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
4	8	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
5	2	Compressor Manual Starter	024-31816-000	025-34453-000	025-34453-000	025-34489-000	025-34489-000	024-31816-000	025-34453-000
	2		024-31816-000	025-34489-000	025-34453-000	025-34489-000	024-31816-000	024-31816-000	025-34489-000
6	4	Auxilliary Contactora	024-31814-000	N/A	024-31814-000	N/A	024-31814-000	024-31814-000	N/A
7 ^s	4	Fan Contactora	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000
8 ^s	4	Fan Manual Motor Starter	025-34449-000	025-34450-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000
9	2	Din Rail Slotted	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000
10	2	Ground Lug, Cu	025-34089-000	025-34088-000	025-34088-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
11 ^s	1	Circuit Board*	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001
12 ^s	1	Firmware EPROM**	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001
13	1	Control Transformer	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000
14	1	Fuse	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000
15	1	Buss	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000
16	1	Display	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000
17	1	Membrane, Keypad	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000
18	1	Switch, On/Off	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
19	1	Assm Ribbon Cable	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211
20	4	Terminal Block, Fan	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000
21	3	Terminal Block	N/A	N/A	N/A	N/A	N/A	N/A	N/A
	3		N/A	N/A	N/A	N/A	N/A	N/A	N/A
	1	Circuit Breaker	024-31649-000	024-31843-000	024-31843-000	N/A	N/A	N/A	N/A
	1	NF Disconnect Switch	N/A	N/A	N/A	024-31888-000	024-31888-000	024-31888-000	024-31888-000
22	1	Operator Mechanism	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000
23	1	Lug Kit	025-34479-000	025-34478-000	025-34478-000	025-34479-000	025-34479-000	025-34479-000	025-34479-000
24	1	Battery Backup, RTC Chip	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000

^s Recommended Spare Part

* Circuit Board 031-01314-000 has been replaced by Circuit Board 031-02050-001.

** It is recommended that Item 12 (EPROM) be replaced when Item 11 (Circuit Board) is replaced.

CONTROL PANEL AND POWER PANEL (CONT'D)

TABLE 6 (CONT'D) – CONTROL PANEL AND POWER PANEL COMPONENTS (SEE FIGS. 7-11, PAGES 16-20)

ITEM NO.	QTY	DESCRIPTION	371-02571 -103	371-02571 -104	371-02571 -110	371-02571 -111	371-02571 -207	371-02571 -214
1	2	Contactor 600V (CR 1 & 2)	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000
2	3	Compressor Contactor	024-31818-000	024-31817-000	024-31813-000	024-31818-000	024-31817-000	024-31818-000
	3		024-31813-000	024-31818-000	024-31813-000	024-31818-000	024-31818-000	024-31818-000
3	6	Ground Lug, Cu	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
4	10	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
5	3	Compressor Manual Starter	025-34489-000	025-34489-000	024-31816-000	025-34489-000	025-34453-000	025-34489-000
	3		024-31816-000	025-34453-000	024-31816-000	025-34489-000	025-34489-000	025-34489-000
6	6	Auxilliary Contactor	024-31814-000	N/A	024-31814-000	N/A	N/A	N/A
7 ^s	4	Fan Contactor	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000
8 ^s	4	Fan Manual Motor Starter	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34450-000
9	2	Din Rail Slotted	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000
10	2	Ground Lug, Cu	025-34088-000	025-34088-000	025-34088-000	025-34089-000	025-34089-000	025-34089-000
11 ^s	1	Circuit Board*	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001
12 ^s	1	Firmware EPROM**	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001
13	1	Control Transformer	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000
14	1	Fuse	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000
15	1	Buss	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000
16	1	Display	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000
17	1	Membrane, Keypad	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000
18	1	Switch, On/Off	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
19	1	Assm Ribbon Cable	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211
20	4	Terminal Block, Fan	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000
21	3	Terminal Block	025-34485-000	025-34485-000	025-34482-000	025-34485-000	N/A	N/A
	3		025-34482-000	025-34485-000	025-34482-000	025-34485-000	N/A	N/A
	1	Circuit Breaker	N/A	N/A	N/A	N/A	024-31649-000	024-31820-000
	1	NF Disconnect Switch	N/A	N/A	N/A	N/A	N/A	N/A
22	1	Operator Mechanism	N/A	N/A	N/A	N/A	024-31878-000	024-31878-000
23	1	Lug Kit	N/A	N/A	N/A	N/A	025-34479-000	025-34480-000
24	1	Battery Backup, RTC Chip	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000

^s Recommended Spare Part

* Circuit Board 031-01314-000 has been replaced by Circuit Board 031-02050-001.

** It is recommended that Item 12 (EPROM) be replaced when Item 11 (Circuit Board) is replaced.

TABLE 6 (CONT'D) – CONTROL PANEL AND POWER PANEL COMPONENTS (SEE FIGS. 7-11, PAGES 16-20)

ITEM NO.	QTY	DESCRIPTION	371-02571 -221	371-02571 -228	371-02571 -307	371-02571 -314	371-02571 -321	371-02571 -328
1	2	Contactor 600V (CR 1 & 2)	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000	024-31635-000
2	3	Compressor Contactor	024-31818-000	024-31813-000	024-31817-000	024-31818-000	024-31818-000	024-31813-000
	3		024-31813-000	024-31813-000	024-31818-000	024-31818-000	024-31813-000	024-31813-000
3	6	Ground Lug, Cu	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
4	10	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
5	3	Compressor Manual Starter	025-34489-000	024-31816-000	025-34453-000	025-34489-000	025-34489-000	024-31816-000
	3		024-31816-000	024-31816-000	025-34489-000	025-34489-000	024-31816-000	024-31816-000
6	6	Auxilliary Contactor	024-31814-000	024-31814-000	N/A	N/A	024-31814-000	024-31814-000
7 ^s	4	Fan Contactor	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000	025-34448-000
8 ^s	4	Fan Manual Motor Starter	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000	025-34449-000
9	2	Din Rail Slotted	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000	025-29167-000
10	2	Ground Lug, Cu	025-34089-000	025-34085-000	025-34089-000	025-34085-000	025-34085-000	025-34085-000
11 ^s	1	Circuit Board*	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001	031-02050-001
12 ^s	1	Firmware EPROM**	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001	031-02049-001
13	1	Control Transformer	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000
14	1	Fuse	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000	025-34483-000
15	1	Buss	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000	025-34484-000
16	1	Display	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000	031-01110-000
17	1	Membrane, Keypad	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000	024-27838-000
18	1	Switch, On/Off	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
19	1	Assm Ribbon Cable	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211	031-01109-211
20	4	Terminal Block, Fan	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000	025-34447-000
21	3	Terminal Block	N/A	N/A	N/A	N/A	N/A	N/A
	3		N/A	N/A	N/A	N/A	N/A	N/A
	1	Circuit Breaker	024-31820-000	024-31819-000	N/A	N/A	N/A	N/A
	1	NF Disconnect Switch	N/A	N/A	024-31888-000	024-31870-000	024-31870-000	024-31870-000
22	1	Operator Mechanism	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000
23	1	Lug Kit	025-34480-000	025-34480-000	025-34479-000	025-34480-000	025-34480-000	025-34480-000
24	1	Battery Backup, RTC Chip	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000	031-00955-000

^s Recommended Spare Part

* Circuit Board 031-01314-000 has been replaced by Circuit Board 031-02050-001.

** It is recommended that Item 12 (EPROM) be replaced when Item 11 (Circuit Board) is replaced.

TRANSDUCERS, PRESSURE CUTOUTS AND TEMP SENSORS

TABLE 7 – TRANSDUCERS, PRESSURE CUTOUTS AND TEMP SENSORS (SEE FIG. 12, PAGE 29)

ITEM NUMBER	QUANTITY	SYSTEM	DESCRIPTION	VOLTAGE CODE	PART NUMBER
1 ^s	1	Unit	Sensor, Outside Air Temp.	ALL	025-28663-001
2 ^s	1	1 ea.	Sensor, Water Temp. (EWT, LWT)	ALL	025-29964-000
3 ^s	1 per system	1 and 2	Switch, High Pressure Cutout	ALL	025-28985-002
4 ^s	1 per system	1 and 2	Switch, Low Pressure Cutout	ALL	025-33707-000
5	1	Unit	Compound, Heat Conductive	ALL	013-00898-000
6	1 per system	Unit	Transducer, Suct. Press. (0-200psi)	ALL	025-29583-000
7	1 per system	Unit	Transducer, Disch. Press. (0-400psi)	ALL	025-29139-001

^s Recommended Spare Part

TRANSducers, PRESSure CUTOUTS AND TEMP SENSORS (CONT'D)

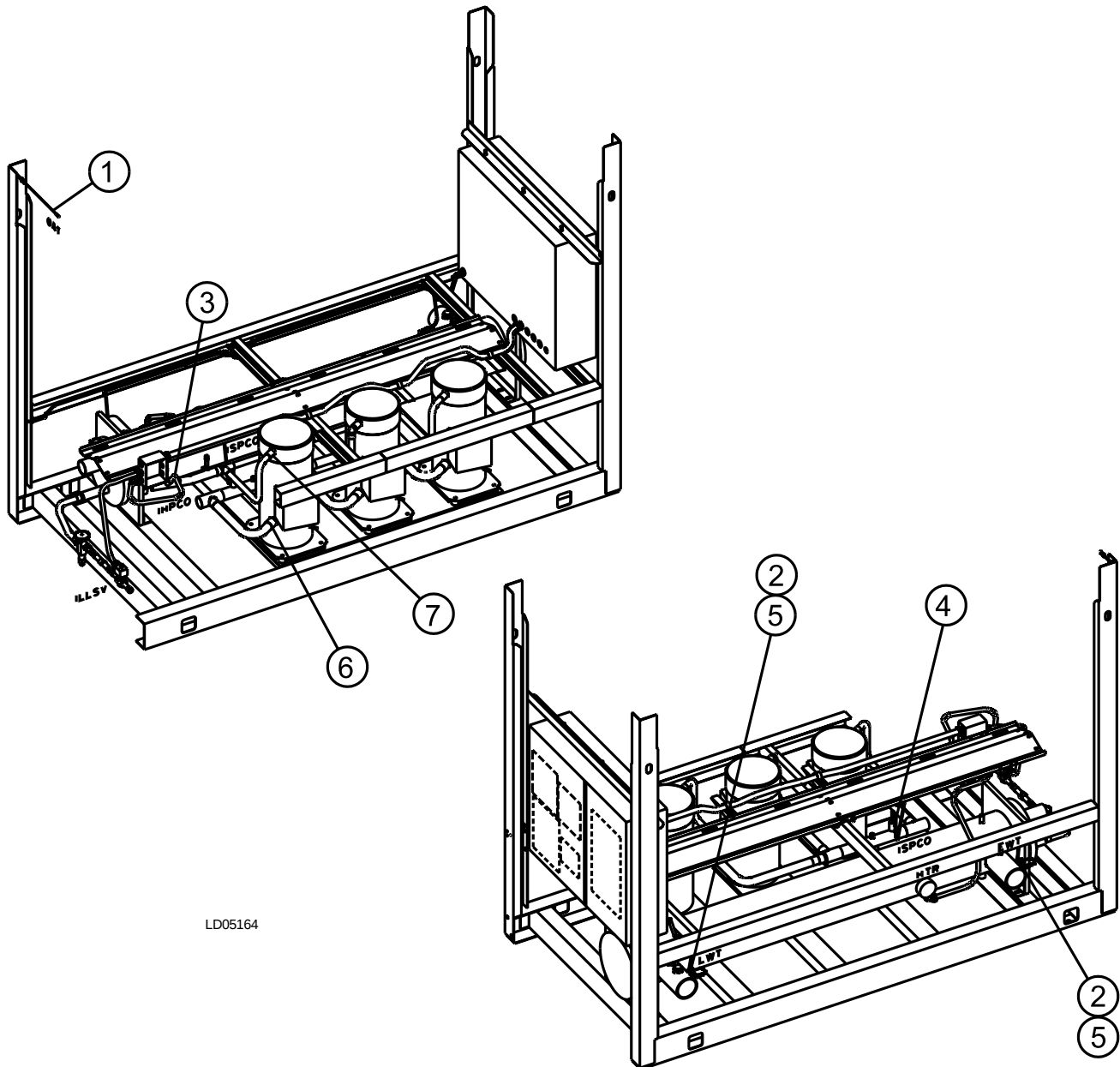


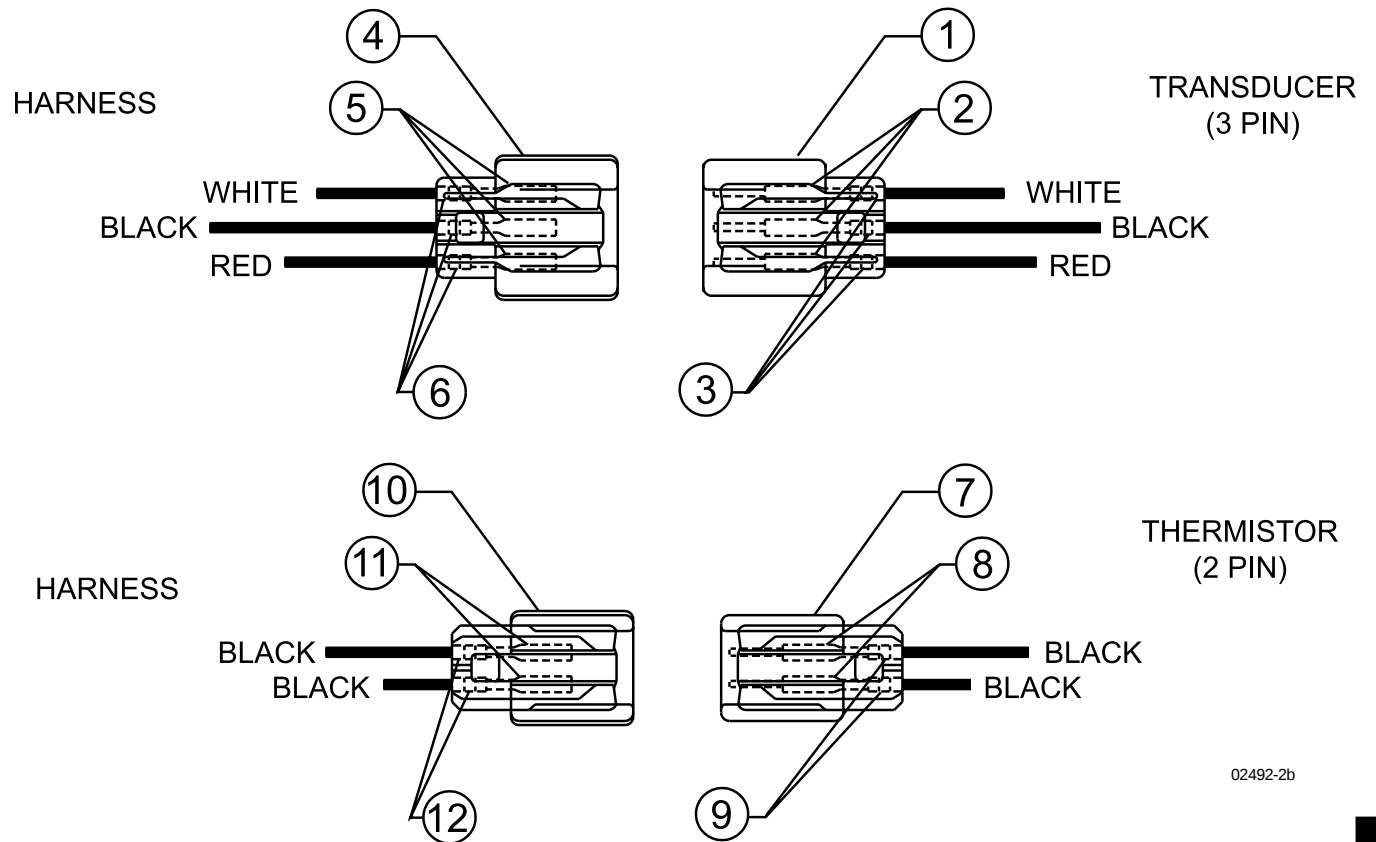
FIG. 12 – TRANSducers, PRESSure CUTOUTS AND TEMP SENSORS (REF. TABLE 7, PAGE 28)

TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS

TABLE 8 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS -
FIELD REPLACEMENT PART NUMBERS (SEE FIG. 13, PAGE 31)

ITEM NO.	LOCATION	DESCRIPTION	PINS	PART NUMBER
1	Transducer	Plug Connector	3 Pin End	025-28953-000
2		Contact Pins		025-28949-000
3		Rubber Collar		025-28950-000
4	Wire Harness	Plug Connector	3 Pin End	025-28954-000
5		Contact Pins		025-28952-000
6		Rubber Collar		025-28950-000
7	Thermistor	Plug Connector	2 Pin End	025-28948-000
8		Contact Pins		025-28949-000
9		Rubber Collar		025-28950-000
10	Wire Harness	Plug Connector	2 Pin End	025-28951-000
11		Contact Pins		025-28952-000
12		Rubber Collar		025-28950-000

TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS (CONT'D)



02492-2b

**FIG. 13 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD
REPLACEMENT PART NUMBERS (REF. TABLE 8, PAGE 30)**

TABLE 9 – FIELD INSTALLABLE OPTIONS TABLE

MODEL NUMBER YCUL	VIBRATION ISOLATORS SPRING 1" DEFLEC ALUMINUM* & BLK FIN	VIBRATION ISOLATORS SPRING 2" (SEISMIC) ALUMINUM* & BLK FIN	VIBRATION ISOLATOR PAD 1/2" DEFLEC NEOPRENE	VIBRATION ISOLATORS SPRING 1" DEFLEC COPPER*	VIBRATION ISOLATORS SPRING 2" (SEISMIC) COPPER*	VIBRATION ISOLATOR PAD 1/2"DEFLEC NEOPRENE	HOT GAS BY-PASS SOLENOID VALVE W/ HARNESS**	BAS/EMS TEMPERATURE RESET / OFFSET	REMOTE CONTROL PANEL 50HZ	DISCHARGE PRESSURE TRANSDUCER KIT***	SUCTION PRESSURE TRANSDUCER KIT****
MODEL #	029-22779	029-22779	029-22780	029-22779	029-22779	029-22780	375-32274	375-30914	371-02485	371-02458	371-02457
0045	-021	-024	-006	-021	-025	-001	-109	-000	-107	-001	-001
0061	-021	-024	-006	-021	-025	-001	-101	-000	-107	-001	-001
0081	-021	-025	-001	-021	-025	-001	-102	-000	-107	-001	-001
0095	-021	-025	-001	-001	-028	-001	-103	-000	-107	-001	-001
0121	-001	-025	-001	-001	-029	-001	-103	-000	-107	-001	-001
0125	-014	-017	-002	-014	-017	-002	-104	-000	-107	-002	-002
0145	-014	-017	-002	-014	-017	-002	-105	-000	-107	-002	-002
0161	-014	-017	-002	-022	-017	-002	-105	-000	-107	-002	-002
0171	-014	-017	-002	-022	-026	-002	-105	-000	-107	-002	-002
0185	-003	-017	-002	-022	-026	-004	-105	-000	-107	-002	-002
0211	-022	-026	-002	-023	-030	-004	-107	-000	-107	-002	N/A
0235	-022	-026	-002	-023	-030	-004	-107	-000	-107	-002	N/A
0255	-023	-026	-002	-004	-030	-004	-108	-000	-107	-002	N/A
0275	-023	-027	-004	-004	-031	-004	-108	-000	-107	-002	N/A

* Note: Condenser Coil Fin Material.

** Note: Hot Gas By-Pass Solenoid Valve Only: 025-34133-000

*** Note: Discharge Pressure Transducer Only: 025-29139-001

**** Note: Suction Pressure Transducer Only: 025-29583-000

YCUL CHILLER OPTIONS – KITS

TABLE 9 (CONT'D) – FIELD INSTALLABLE OPTIONS TABLE

MODEL NUMBER YCUL	DISCHARGE AIR SENSOR KIT	MOTOR CURRENT MODULE KIT	TERMINAL BOARD KIT	LOW AMBIENT KIT	HIGH AMBIENT KIT	DEHYD- RATOR KIT	SUCTION TEMP SENSOR KIT	CHICAGO RELIEF VALVE	REMOTE CONTROL PANEL 50HZ	SEQUENCE CONTROL / AUTOMATIC LEAD TRANSFER	ACOUSTIC SOUND BLANKET KIT	CONTROL X-FORMER KIT
MODEL #	475-33729	371-02764	371-02754	375-30910	375-	475-33401	475-	022-	371-02485	371-02558	010-05988	375-30909
0045	-000	-000	-001	-102*	28556*	-001	33751-000	08863-000	-104	-008	-001	-107
0061	-000	-000	-001	-102*	28556*	-001	33751-000	08863-000	-104	-008	-002	-107
0081	-000	-000	-001	-102*	28553*	-001	33751-000	08863-000	-104	-008	-003	-107
0095	-000	-000	-001	-102*	28553*	-002	33751-000	08863-000	-104	-008	-004	-107
0121	-000	-000	-001	-102*	28553*	-002	33751-000	08863-000	-104	-008	-005	-107
0125	-000	-001	-001	-104**	31802**	-002	33753-000	08863-000	-104	-008	-006	-107
0145	-000	-001	-001	-104**	31802**	-002	33753-000	08863-000	-104	-008	-007	-107
0161	-000	-001	-001	-104**	31802**	-002	33753-000	08863-000	-104	-008	-007	-107
0171	-000	-001	-001	-104**	31802**	-002	33753-000	08863-000	-104	-008	-008	-107
0185	-000	-001	-001	-104**	31802**	-002	33753-000	08863-000	-104	-008	-009	-107
0211	-000	-001	-001	-104**	28549**	-003	33753-000	08863-000	-104	-008	-010	-107
0235	-000	-001	-001	-104**	28549**	-003	33753-000	10071-000	-104	-008	-011	-107
0255	-000	-001	-001	-104**	28549**	-003	33753-000	10071-000	-104	-008	-012	-107
0275	-000	-001	-001	-104**	28549**	-003	33753-000	10071-000	-104	-008	-013	-107

* Note: Discharge Pressure Transducer & Readout Kit 371-02458-001 is required to complete both High and Low Ambient Kits.

** Note: Discharge Pressure Transducer & Readout Kit 371-02458-002 is required to complete both High and Low Ambient Kits.

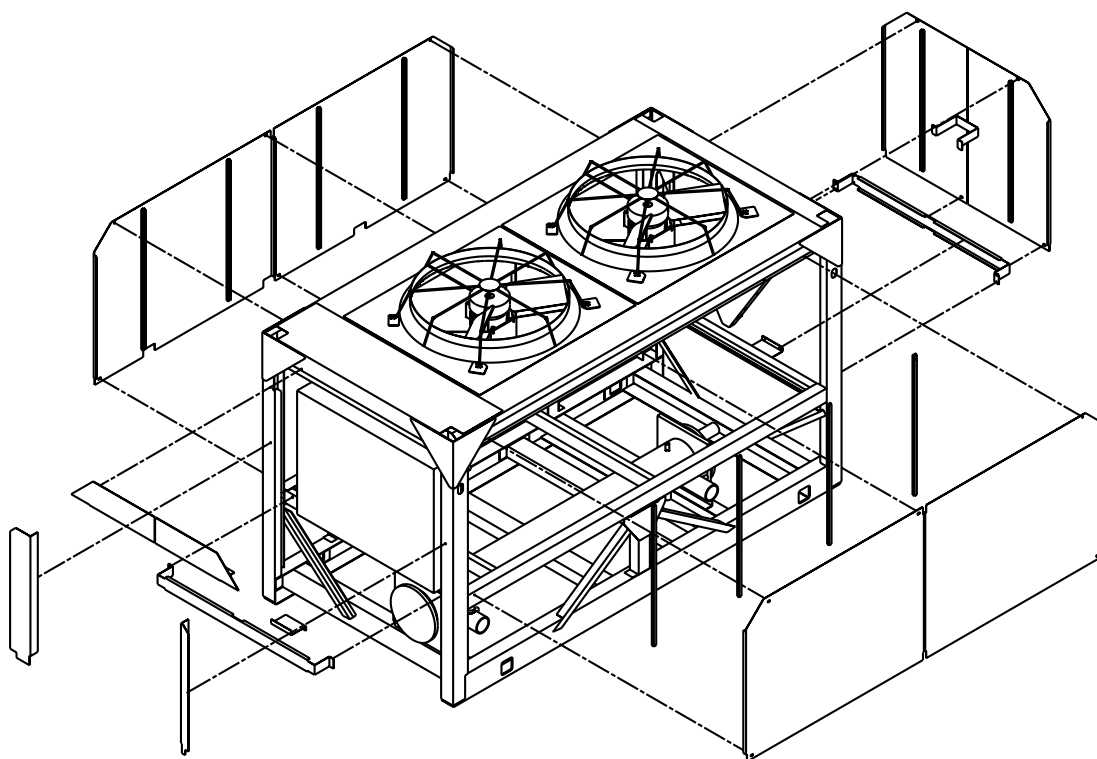
YCUL CHILLER OPTIONS – KITS (CONT'D)

ENCLOSURE KIT OPTIONS

TABLE 10 – ENCLOSURE KIT OPTIONS (Top and Bottom Sections)

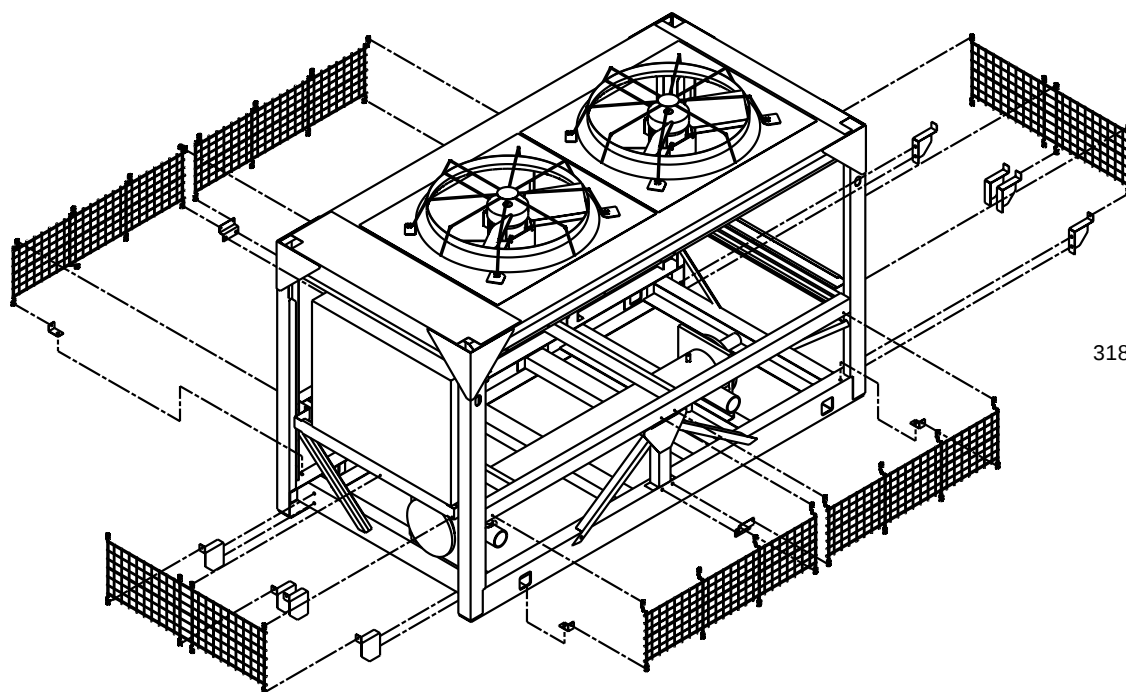
MODEL NUMBER YCUL-	WIRE ENCLOSURE	LOUVERED ENCLOSURE	WIRE / LOUVERED ENCLOSURE	LOUVERED ENCLOSURE CONDENSER ONLY
0045 (TOP)	475-31869-000	475-31867-162	475-31867-162	475-31867-162
0045 (BOTTOM)	475-31870-000	475-31868-163	475-31870-000	N/A
0061 (TOP)	475-31869-000	475-31867-162	475-31867-162	475-31867-162
0061 (BOTTOM)	475-31870-000	475-31868-163	475-31870-000	N/A
0081 (TOP)	475-31834-000	475-31832-162	475-31832-162	475-31832-162
0081 (BOTTOM)	475-31835-000	475-31833-163	475-31835-000	N/A
0095 (TOP)	475-31834-000	475-31832-162	475-31832-162	475-31832-162
0095 (BOTTOM)	475-31835-000	475-31833-163	475-31835-000	N/A
0121 (TOP)	475-31834-000	475-31832-162	475-31832-162	475-31832-162
0121 (BOTTOM)	475-31835-000	475-31833-163	475-31835-000	N/A
0125 (TOP)	475-31297-000	475-30996-162	475-30996-162	475-30996-162
0125 (BOTTOM)	475-31298-000	475-31299-163	475-31298-000	N/A
0145 (TOP)	475-31297-000	475-30996-162	475-30996-162	475-30996-162
0145 (BOTTOM)	475-31298-000	475-31299-163	475-31298-000	N/A
0161 (TOP)	475-31297-000	475-30996-162	475-30996-162	475-30996-162
0161 (BOTTOM)	475-31298-000	475-31299-163	475-31298-000	N/A
0171 (TOP)	475-31297-000	475-30996-162	475-30996-162	475-30996-162
0171 (BOTTOM)	475-31298-000	475-31299-163	475-31298-000	N/A
0185 (TOP)	475-31297-000	475-30996-162	475-30996-162	475-30996-162
0185 (BOTTOM)	475-31298-000	475-31299-163	475-31298-000	N/A
0211 (TOP)	475-31808-000	475-31806-162	475-31806-162	475-31806-162
0211 (BOTTOM)	475-31809-000	475-31807-163	475-31809-000	N/A
0235 (TOP)	475-31808-000	475-31806-162	475-31806-162	475-31806-162
0235 (BOTTOM)	475-31809-000	475-31807-163	475-31809-000	N/A
0255 (TOP)	475-31808-000	475-31806-162	475-31806-162	475-31806-162
0255 (BOTTOM)	475-31809-000	475-31807-163	475-31809-000	N/A
0275 (TOP)	475-31808-000	475-31806-162	475-31806-162	475-31806-162
0275 (BOTTOM)	475-31809-000	475-31807-163	475-31809-000	N/A

ENCLOSURE KIT OPTIONS (CONT'D)



31867-01

Louvered Enclosure Kit - Top Section



31870-01

Wire Enclosure Kit - Bottom Section

FIG. 14 – ENCLOSURE KIT OPTIONS (Top and Bottom Sections) - YCUL0045 AND YCUL0061 SHOWN (REF. TABLE 9, PAGE 48)

REMOTE CONTROL CENTER

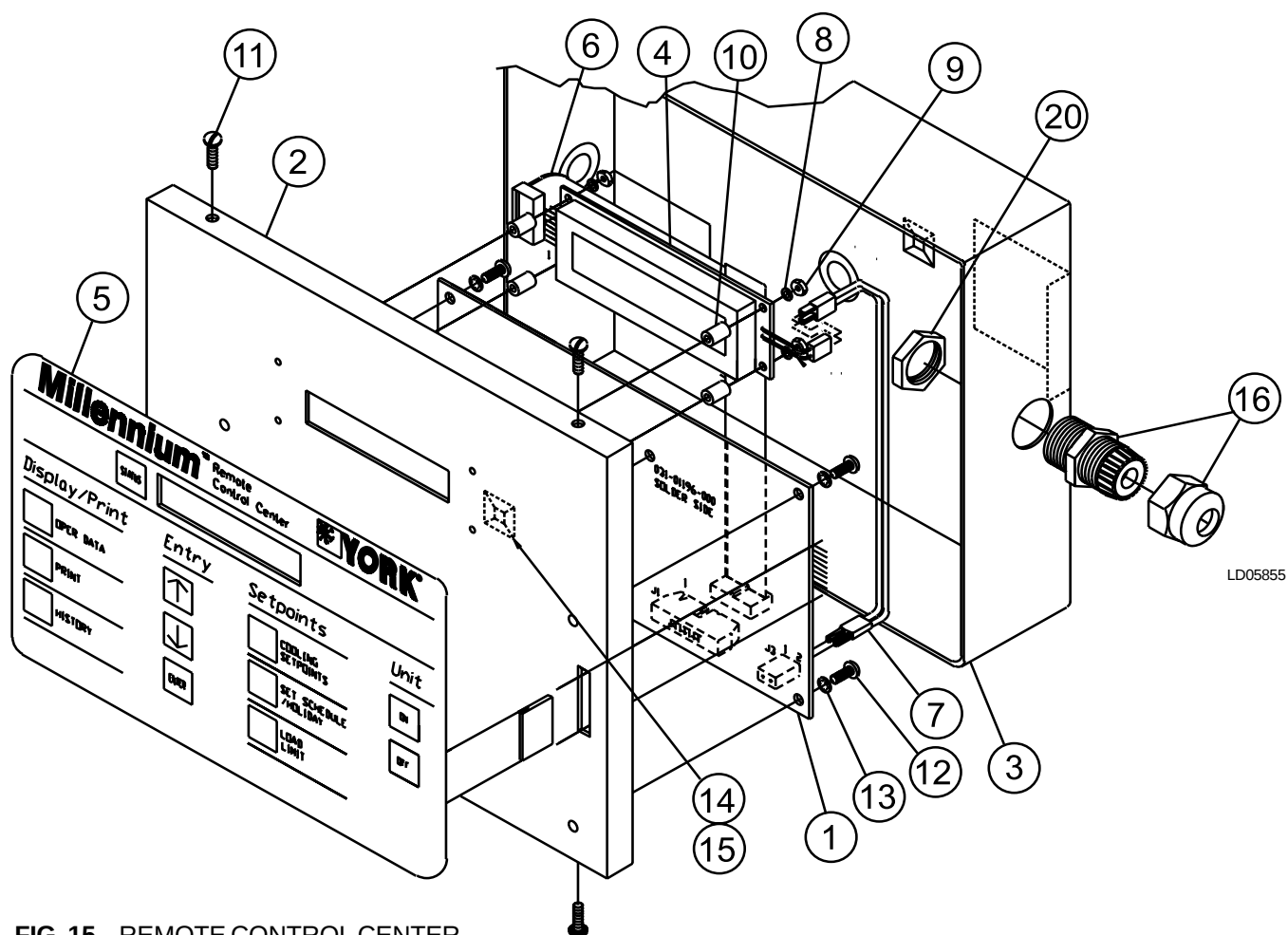
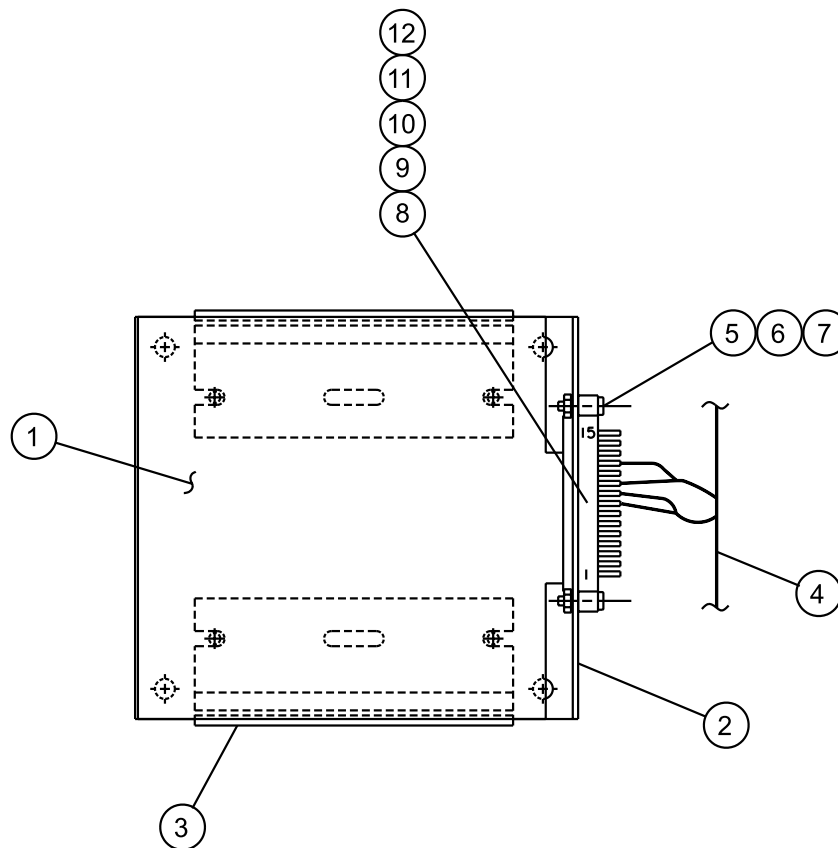


FIG. 15 – REMOTE CONTROL CENTER

TABLE 11 – REMOTE CONTROL CENTER PARTS - 50 HZ (371-02485-107)

REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	CONTROL, MICROBOARD	031-01196-000
2	1	COVER, REMOTE CONTROL	371-02485-311
3	1	BASE, REMOTE CONTROL	071-02485-320
4	1	DISPLAY, LCD	031-01110-000
5	1	SWITCH, KEYPAD	024-30930-000
6	1	RIBBON CABLE	071-01289-211
7	1	WIRE CABLE	071-01289-212
10	4	SPACER, NYLON 1/4 OD X 7/16 LG.	021-17575-000
11	1	TRANSFORMER	025-29917-002
14	3	CABLE TIE MOUNT	025-25155-000
15	1	EPROM	031-02016-003
16	1	CABLE FITTING	025-05701-000
17	2	INSULATOR, RECIPAK, ROOFTOP	071-01730-000
18	2	MODULE, LAN TRANSIENT PROTECTION (LTP)	031-01586-000
19	1	INSTALLATION INSTRUCTIONS	071-01289-002
20	1	NUT, LOCKING, HEYCO-3232	025-31732-000
21	1	OPERATOR'S MANUAL	150.63-NM2

REMOTE CURRENT/TEMPERATURE RESET PARTS BREAKDOWN



LD05256

FIG. 16 – REMOTE CURRENT/TEMPERATURE RESET COMPONENTS

TABLE 12 – REMOTE CURRENT OR TEMPERATURE RESET KIT NUMBER 375-90914-000

REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	CONTROL, REMOTE CURRENT/TEMP	031-00814-000
2	1	BRACKET, REMOTE CURRENT/TEMP RESET	371-01232-361
3	1	TRACK, SNAP	071-01232-363
4	1	WIRING, REMOTE CURRENT/TEMP RESET	571-02492-231*
5	2	SCREW, MACHINE PAN HEAD #4	021-17594-000
6	2	NUT, HEX MACH SCREW #4 – 40 UNC-2B	021-10056-000
7	2	LOCKWASHER, HEL. SPG. #4 REG.	021-17576-000

* refer to TABLE 12A

TABLE 12A – REMOTE RESET WIRING

REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
8	2	CONT SOC AWG WIRE SIZE 20	025-19674-000
9	2	TERMINAL PUSH ON STRAIGHT	025-06642-000
10	4	TUBING HEAT SHRINKABLE 1/8 ID	025-29632-000
11	1	HGS CONNECTOR ELECTRICAL PLUG	025-32564-000*
12	1	CONNECTOR EDGE, 15 POSITION, 0.125	025-29631-000

* Was P/N 025-21137-000 prior to Spring 2000.

RECOMMENDED SPARE PARTS

YORK MODEL YCUL STYLE A AIR COOLED SCROLL CHILLERS

SUGGESTED SPARE PARTS LIST FOR CRITICAL DUTY APPLICATIONS

TABLE 13 – RECOMMENDED SPARE PARTS - YCUL CHILLERS (50 Hz)

PAGE REF. & ITEM NUMBER	DESCRIPTION	MODEL NUMBER YCUL	PART NUMBER
Page 6, Item 1	Fan Motor	All	See Table
Page 6, Item 2	Fan Blade (Standard)	All	See Table
Page 6, Item 2	Fan Blade (Low Noise)	All	See Table
Page 10 & 11, Item 3	Valve, Stop, Liquid Line	All	See Table
Page 15, Item OIL	Oil, Compressor	All	011-00434-000
Page 22-27, Item 7	Contact, Fan	All	See Table
Page 22-27, Item 8	Overload, Manual Fan Motor	All	See Table
Page 22-27, Item 11	Micro Board	All	See Table
Page 22-27, Item 12	EPROM	All	See Table
Page 28, Item 1	Sensor, Outside Air Temp.	All	025-28663-001
Page 28, Item 2	Sensor, Water Temp.	All	025-29964-000
Page 28, Item 3	High Pressure Cutout Switch	All	025-28985-002
Page 28, Item 4	Low Pressure Cutout Switch	0045-0185	025-33707-000
Page 32, Note	Valve, Solenoid, Hot Gas By-Pass	All	025-34133-000
Page 32, Note	Transducer, Discharge Pressure	All	025-29139-001
Page 32, Note	Transducer, Suction Pressure	All	025-29583-000

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