



YORK®
BY JOHNSON CONTROLS

**WATER-COOLED LIQUID CHILLERS
HERMETIC SCROLL**

RENEWAL PARTS

Supercedes: 150.27-RP1 (709)

Form: 150.27-RP1 (810)

**MODELS YCRL0064, 0074, 0084, 0096,
0118, 0126, 0156, 0177, 0198, 0200, 0230, 0260, 0300,
0345, 0385, 0445, 0530 and YCRL0610**

STYLE "A"



YCRL 012

**R-410A
50Hz & 60Hz**



Products are produced at a facility whose quality-management systems are ISO9001 certified.



200-3-60
230-3-60
315-3-60
460-3-60
380-415/3/50
575-3-60
MODELS ONLY

CHANGEABILITY OF THIS DOCUMENT

In complying with Johnson Controls policy for continuous improvement, the information contained in this document is subjected to change without notice. While Johnson Controls makes no commitment to update or provide current information automatically to the manual user, that information, if applicable, can be obtained by contacting the nearest Johnson Controls Service office.

It is the responsibility of operating/service personnel as to the applicability of these documents to the equipment in question. If there is any question in the mind of operating/ service personnel as to the applicability of these documents, then, prior to working on the equipment, they should verify with the owner, whether the equipment has been modified and if the current literature is available.

SUPERCESSION DATE	ITEM AFFECTED	PAGE
709	Added models 0177 & 0198	All

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.

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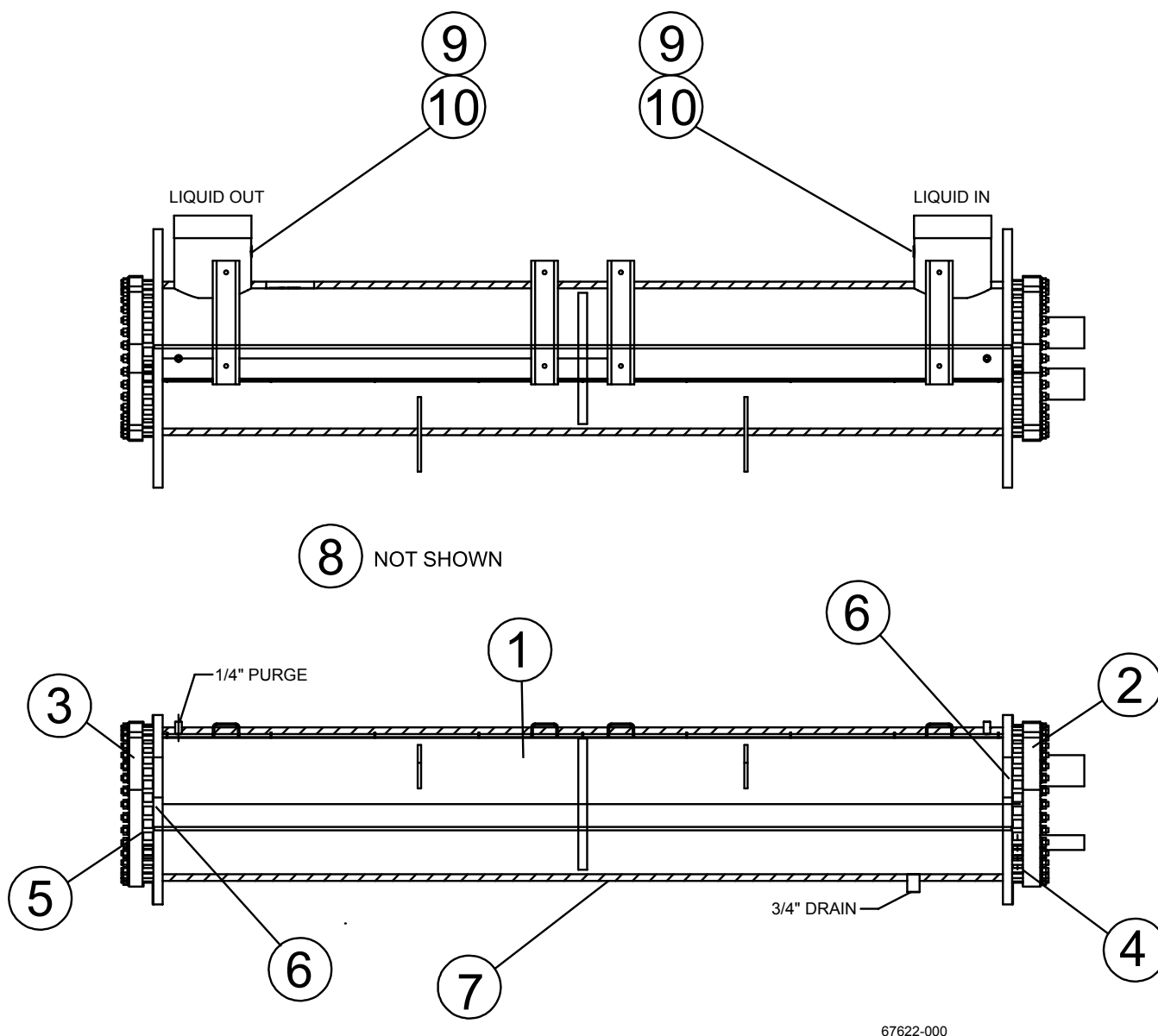
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EVAPORATOR COMPONENTS

Service Note:

Pin location 38 in Model Number will be "X" for 150# DWP Cooler.

Pin location 38 in Model Number will be "3" for 300# DWP Cooler.



67622-000

Service Note:

Standard 150# DWP Cooler Flow Switch - 024-26116-000

Optional 300# DWP Cooler Flow Switch - 024-12144-000

Differential Pressure Switch - 025-30919-000

FIG. 1 – EVAPORATOR COMPONENTS (REF. TABLE 1, PAGE 7)

EVAPORATOR COMPONENTS (CONT'D)

TABLE 1 – EVAPORATOR COMPONENTS - PIN #9 = 'H' (SEE FIG. 1, PAGE 6)

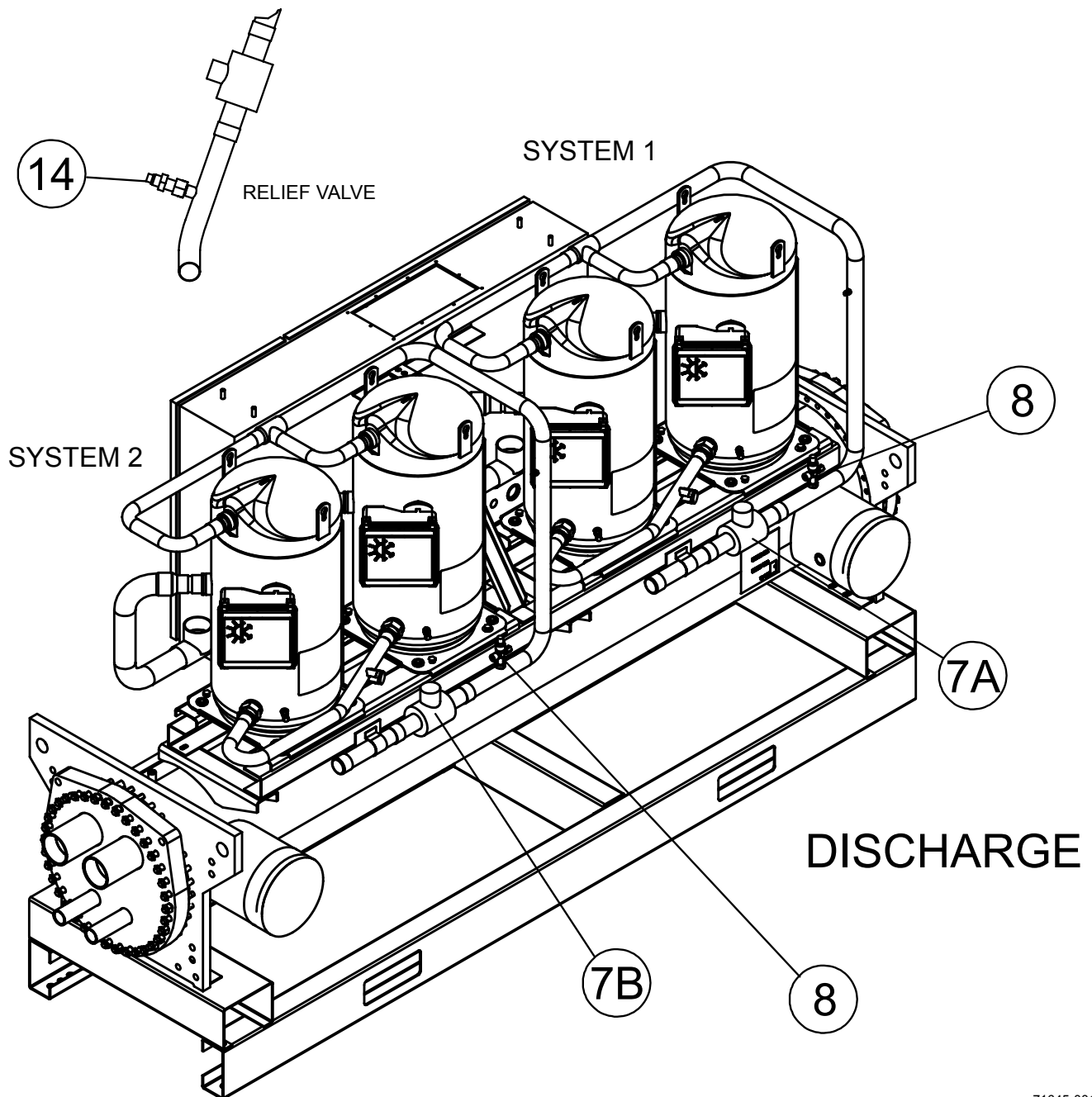
ITEM #	QTY PER UNIT	DESCRIPTION	UNIT MODELS YCRL0064 AND YCRL0200	UNIT MODELS YCRL0074, 0084, 0118, 0230 AND YCRL0345	UNIT MODELS YCRL0096 AND YCRL0385
1	1	Evaporator, Fully Insulated with Heater	375-65740-001	375-67622-001	375-71827-001
		Evaporator, less Heater & Insulation	375-67292-000	375-67623-000	375-71828-000
2	1	Head, Connection End	375-67289-000	375-67628-000	375-72131-000
3	1	Head, Back End	075-65741-003	075-67624-002	075-72132-001
4	1	Baffle, Connection End	375-67287-000	375-67626-000	375-71834-000
5	1	Baffle, Back End	375-67288-000	375-67627-000	375-72130-000
6	4	Gasket, Baffle and Head	075-65741-004	075-67624-003	075-72133-000
7	-	Insulation (3/4"x49"x65")	010-05997-000	010-05997-000	010-05997-000
	-	Insulation (1 1/2"x49"x65")	010-05998-000	010-05998-000	010-05998-000
8	1 qt.	Adhesive (Use with #6)	013-03311-000		
9	1	Sensor, Water Temp (EWT)	025-40273-010		
	1	Sensor, Water Temp (LWT)	025-40273-009		
10	2	Well, Thermo	026-32328-000	026-32328-000	026-32328-000

TABLE 1 (CONT'D) – EVAPORATOR COMPONENTS - PIN #9 = 'H' (SEE FIG. 1, PAGE 6)

ITEM #	QTY PER UNIT	DESCRIPTION	UNIT MODELS YCRL0126, 0156, 0177, 0198, 0445, 0530 AND YCRL0610	UNIT MODELS YCRL0260 AND YCRL0300
1	1	Evaporator, Fully Insulated with Heater	375-67895-001	375-71452-001
		Evaporator, less Heater & Insulation	375-67896-000	375-71453-000
2	1	Head, Connection End	375-67887-000	375-71454-000
3	1	Head, Back End	075-67892-002	075-71457-000
4	1	Baffle, Connection End	375-67888-000	375-71458-000
5	1	Baffle, Back End	375-67891-000	375-71460-000
6	4	Gasket, Baffle and Head	075-67892-003	075-71467-000
7	-	Insulation (3/4"x49"x65")	010-05997-000	010-05997-000
	-	Insulation (1 1/2"x49"x65")	010-05998-000	010-05998-000
8	1 qt.	Adhesive (Use with #6)	013-03311-000	
9	1	Sensor, Water Temp (EWT)	025-40273-010	
	1	Sensor, Water Temp (LWT)	025-40273-009	
10	2	Well, Thermo	026-32328-000	026-32328-000

REFRIGERANT PIPING COMPONENTS

CHILLER MODEL YCRL



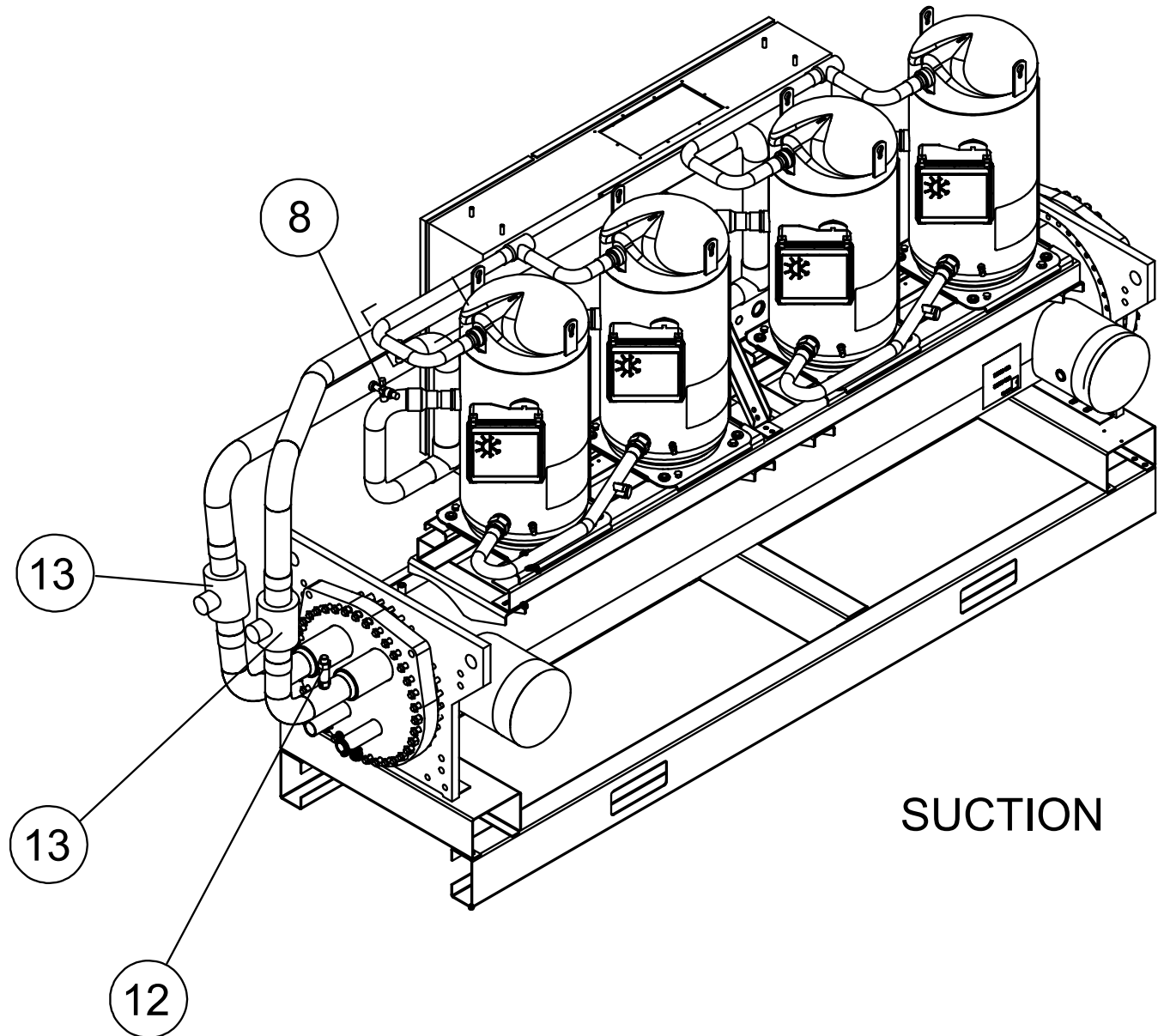
71645-001

FIG. 2A – DISCHARGE PIPING COMPONENTS - 4 COMPRESSOR MODEL SHOWN
(REF. TABLE 2, PAGES 13 THRU 15)

REFRIGERANT PIPING COMPONENTS (CONT'D)

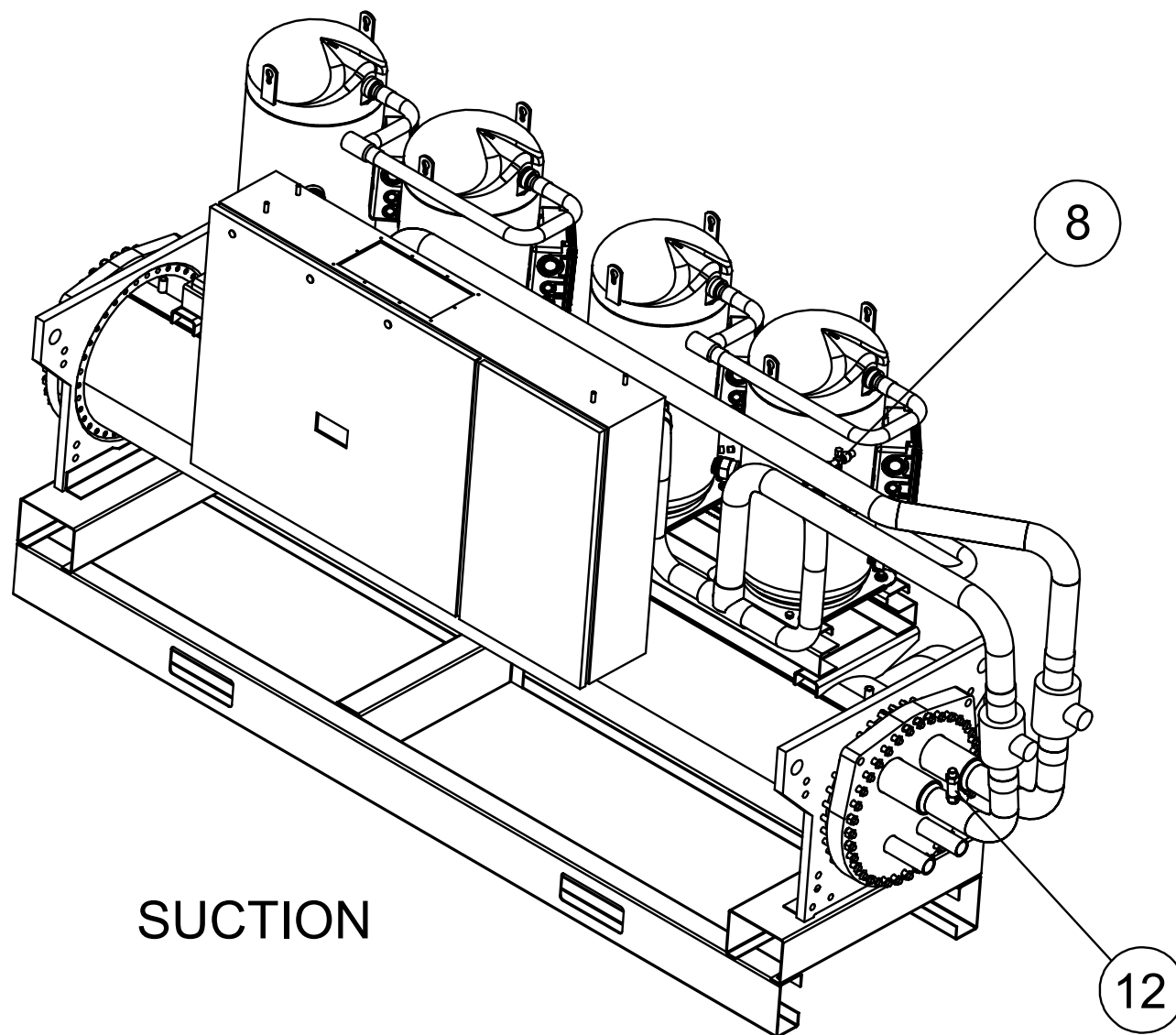
CHILLER MODEL YCRL

2



71645-002A

FIG. 2B – SUCTION PIPING COMPONENTS - 4 COMPRESSOR MODEL SHOWN
(REF. TABLE 2, PAGES 13 THRU 15)

REFRIGERANT PIPING COMPONENTS (CONT'D)**CHILLER MODEL YCRL**

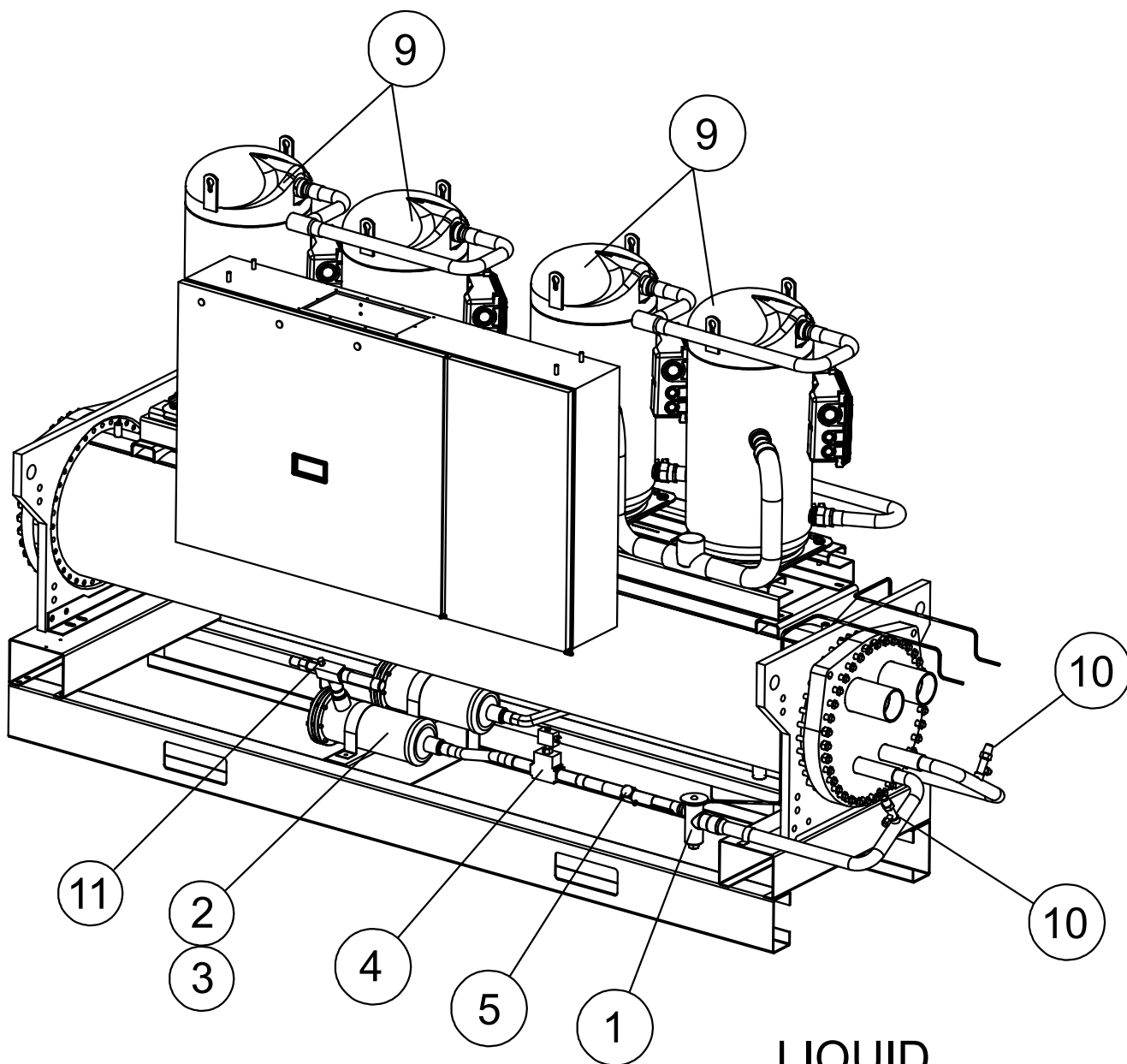
71645-002B

FIG. 2C – SUCTION PIPING COMPONENTS - 4 COMPRESSOR MODEL SHOWN
(REF. TABLE 2, PAGES 13 THRU 15)

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCRL

2



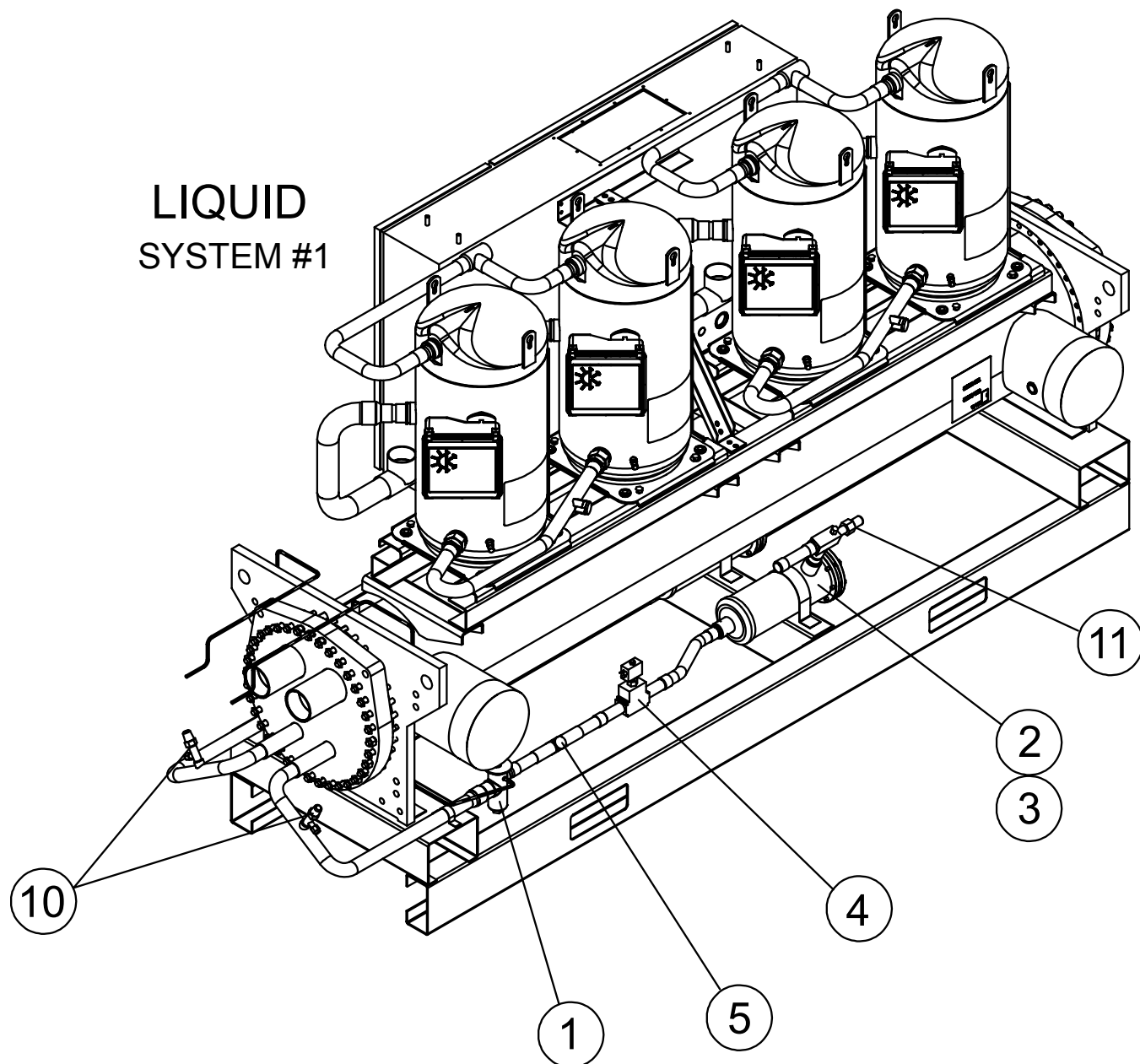
**LIQUID
SYSTEM #2**

71645-003A

FIG. 2D – LIQUID PIPING COMPONENTS - 4 COMPRESSOR MODEL SHOWN
(REF. TABLE 2, PAGES 13 THRU 15)

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCRL



71645-003B

FIG. 2E – LIQUID PIPING COMPONENTS - 4 COMPRESSOR MODEL SHOWN
(REF. TABLE 2, PAGES 13 THRU 15)

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCRL

TABLE 2 – REFRIGERANT PIPING COMPONENTS - PIN #9 = 'H' (SEE FIGS. 2A, 2B, 2C, 2D AND 2E, PAGES 8 THRU 12)

ITEM NO.	QTY.	SYS.	DESCRIPTION	YCRL0064 375-79752-xxx	YCRL0074 375-79742-xxx	YCRL0084 375-79747-xxx	YCRL0096 375-79734-xxx	YCRL0118 375-71645-xxx	YCRL0126 375-84138-xxx
1^s	1	1	Valve, Thermal Expansion	025-40900-006	025-40900-007	025-40900-007	025-40900-008	025-40900-008	025-40900-008
	1	2			025-40900-006				
2	2	Both	Dehydrator, Body (Replaceable Core)	026-43984-002	026-43984-002	026-43984-002	026-43984-001	026-43984-006	026-43984-003
3^s	4	Both	Core, Dehydrator	026-37540-000	026-37540-000	026-37540-000	026-37540-000	026-37540-000	026-37540-000
4	1	1	Valve, Liquid Line Solenoid	025-41841-000	025-41841-000	025-41841-000	025-41841-000	025-41743-000	025-41743-000
	1	2							
5	1	1	Moisture Indicator	026-12992-000	026-14125-000	026-14125-000	026-14125-000	026-14125-000	026-14125-000
	1	2							
7A	1	1	Ball Valve, Discharge	022-09750-000	022-08883-000	022-08883-000	022-09750-000	022-08883-000	022-09752-000
7B	1	2			022-09750-000				
8	4	Both	Valve, Transducer	022-11735-000	022-11735-000	022-11735-000	022-11735-000	022-11735-000	022-11735-000
9	2	Both	Compressor	See Pages 17 and 18					
10	2	Both	Valve, Charging	022-09754-000	022-09754-000	022-09754-000	022-09754-000	022-09754-000	022-09754-000
11	1	1	Valve, Liquid Line Service	022-02992-000	022-02992-000	022-10022-000	022-10022-000	022-10022-000	022-10022-000
	1	2			022-10022-000				
12	2	Both	Valve, Suction Relief (400 PSIG)	022-11704-000	022-11704-000	022-11704-000	022-11704-000	022-11704-000	022-11704-000
13	1	1	Ball Valve, Suction	022-09752-000	022-09753-000	022-09753-000	022-09752-000	022-09753-000	022-11325-000
	1	2			022-09752-000				
14	2	Both	Valve, Discharge Relief (560 PSIG)	022-11714-000	022-11714-000	022-11714-000	022-11714-000	022-11714-000	022-11714-000

s = Recommended Spare Parts

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCRL

TABLE 2 (CONT'D) – REFRIGERANT PIPING COMPONENTS - PIN #9 = 'S' OR 'H'
(SEE FIGS. 2A, 2B, 2C, 2D AND 2E, PAGES 8 THRU 12)

ITEM NO.	QTY.	SYS.	DESCRIPTION	YCRL0156 375-79741-xxx	YCRL0177 375-92586-xxx	YCRL0198 375-92586-xxx	YCRL0200 375-79752-xxx	YCRL0230 375-79742-xxx	YCRL0260 375-84142-xxx
1^S	1	1	Valve, Thermal Expansion	025-40900-004	025-40900-005	025-40900-005	025-40900-006	025-40900-007	025-40900-007
	1	2			025-40900-008			025-40900-006	
2	2	Both	Dehydrator, Body (Replacable Core)	026-43984-004	026-43984-005 026-43984-004	026-43984-005	026-43984-002	026-43984-002	026-43984-002
3^S	4	Both	Core, Dehydrator	026-37540-000	026-37540-000	026-37540-000	026-37540-000	026-37540-000	026-37540-000
4	1	1	Valve, Liquid Line Solenoid	025-41743-000	025-41840-000	025-41840-000	025-41841-000	025-41841-000	025-41841-000
	1	2			025-41743-000				
5	1	1	Moisture Indicator	026-14125-000	026-20574-000	026-20574-000	026-12992-000	026-14125-000	026-14125-000
	1	2			026-14125-000			026-12992-000	
7	1	1	Ball Valve, Discharge	022-09752-000	022-09752-000	022-09752-000	022-09750-000	022-08883-000 022-09750-000	022-08883-000
	1	2							
8	4	Both	Valve, Transducer	022-11735-000	022-11735-000	022-11735-000	022-11735-000	022-11735-000	022-11735-000
9	2	Both	Compressor	See Pages 17 and 18					
10	2	Both	Valve, Charging	022-09754-000	022-09754-000	022-09754-000	022-09754-000	022-09754-000	022-09754-000
11	1	1	Valve, Liquid Line Service	022-10022-000	022-09778-000	022-09778-000	022-02992-000	022-02992-000	022-10022-000
	1	2			022-10022-000			022-10022-000	
12	2	Both	Valve, Relief (400 PSIG)	022-11704-000	022-11704-000	022-11704-000	022-11704-000	022-11704-000	022-11704-000
13	1	1	Ball Valve, Suction	022-09753-000	022-09753-000	022-09753-000	022-09752-000	022-09753-000	022-09753-000
	1	2						022-09752-000	
14	2	Both	Valve, Discharge Relief (560 PSIG)	022-11714-000	022-11714-000	022-11714-000	022-11714-000	022-11714-000	022-11714-000

^S = Recommended Spare Parts

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCRL

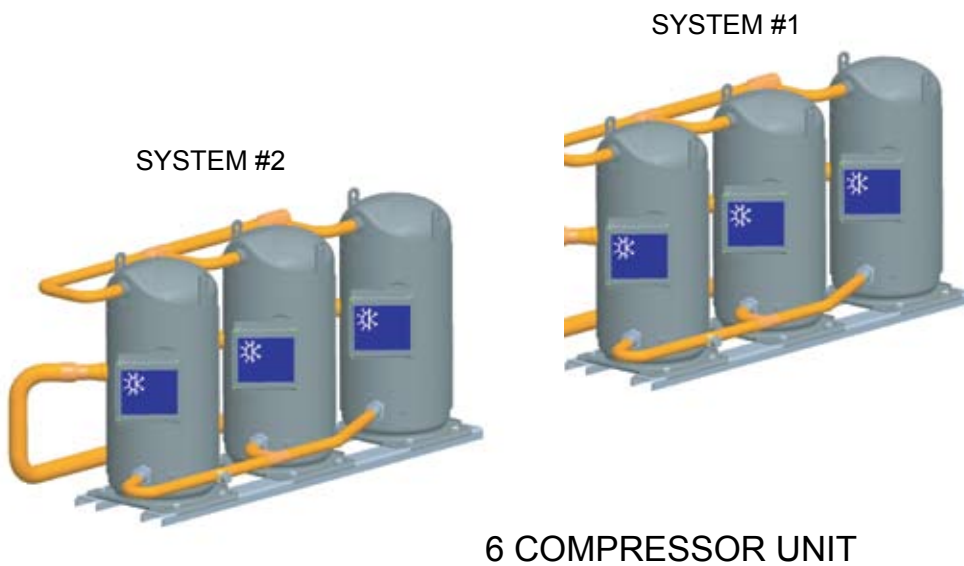
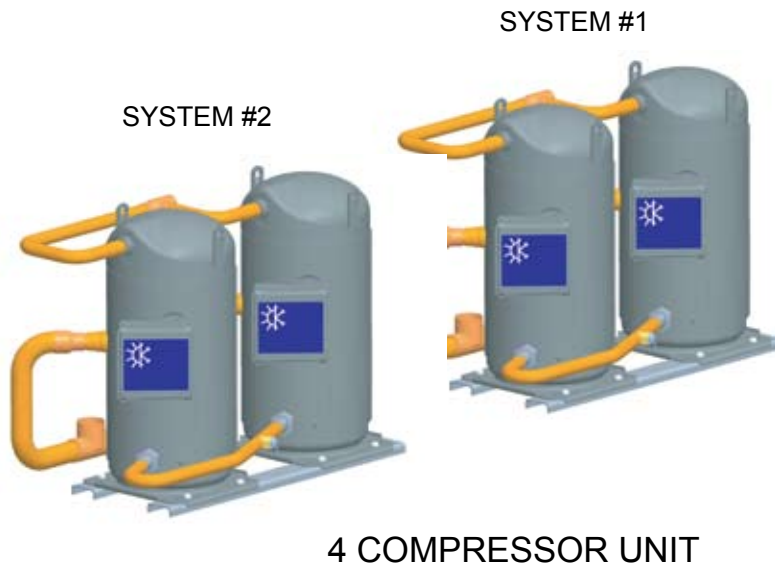
TABLE 2 (CONT'D) – REFRIGERANT PIPING COMPONENTS - PIN #9 = 'H'
(SEE FIGS. 2A, 2B, 2C, 2D AND 2E, PAGES 8 THRU 12)

ITEM NO.	QTY.	SYS.	DESCRIPTION	YCRL0300 375-84143-xxx	YCRL0345 375-71645-xxx	YCRL0385 375-84139-xxx	YCRL0445 375-79741-xxx	YCRL0530 375-79748-xxx	YCRL0610 375-79744-xxx
1^s	1	1	Valve, Thermal Expansion	025-40900-007	025-40900-008	025-40900-008	025-40900-004	025-40900-005	025-40900-005
	1	2						025-40900-008	
2	1	1	Dehydrator, Body (Replaceable Core)	026-43984-002	026-43984-006	026-43984-003	026-43984-004	026-43984-005	026-43984-005
	1	2						026-43984-004	
3^s	4	Both	Core, Dehydrator	026-37540-000	026-37540-000	026-37540-000	026-37540-000	026-37540-000	026-37540-000
4	1	1	Valve, Liquid Line Solenoid	025-41743-000	025-41743-000	025-41743-000	025-41743-000	025-41840-000	025-41840-000
	1	2						025-41743-000	
5	1	1	Moisture Indicator	026-14125-000	026-14125-000	026-14125-000	026-14125-000	026-20574-000	026-20574-000
	1	2						026-14125-000	
7	1	1	Ball Valve, Discharge	022-08883-000	022-08883-000	022-09752-000	022-09752-000	022-09752-000	022-09752-000
	1	2							
8	4	Both	Valve, Transducer	022-11735-000	022-11735-000	022-11735-000	022-11735-000	022-11735-000	022-11735-000
9	2	Both	Compressor	See Pages 17 and 18					
10	2	Both	Valve, Charging	022-09754-000	022-09754-000	022-09754-000	022-09754-000	022-09754-000	022-09754-000
11	1	1	Valve, Liquid Line Service	022-10022-000	022-10022-000	022-10022-000	022-10022-000	022-09778-000	022-09778-000
	1	2						022-10022-000	
12	2	Both	Valve, Relief (400 PSIG)	022-11704-000	022-11704-000	022-11704-000	022-11704-000	022-11704-000	022-11704-000
13	1	1	Ball Valve, Suction	022-09753-000	022-09753-000	022-11325-000	022-09753-000	022-09753-000	022-09753-000
	1	2							
14	2	Both	Valve, Discharge Relief (560 PSIG)	022-11714-000	022-11714-000	022-11714-000	022-11714-000	022-11714-000	022-11714-000

^s = Recommended Spare Parts

COMPRESSOR

Note: System 1 Compressor #3 and System 2 Compressor #6 are omitted on the 4 compressor units.



67812-001

Note: System 1 Compressor #3 is omitted on the 5 compressor units.

FIG. 3 – COMPRESSOR PART NUMBERS (REF. TABLE 3, PAGES 17 AND 18)

COMPRESSOR (CONT'D)

TABLE 3 – COMPRESSOR PART NUMBERS (SEE FIG. 3, PAGE 16)

CHILLER MODEL	VOLTAGE CODE	SYSTEM 1				SYSTEM 2			
		COMP. MODEL #	COMPRESSOR #1	COMPRESSOR #2	COMPRESSOR #3	COMP. MODEL #	COMPRESSOR #4	COMPRESSOR #5	COMPRESSOR #6
YCRL0064	-17 & -28	ZP180KCE	015-04045-101	015-04045-101	N/A	ZP180KCE	015-04045-101	015-04045-101	N/A
	-40		015-04045-102	015-04045-102	N/A		015-04045-102	015-04045-102	N/A
	-46		015-04045-104	015-04045-104	N/A		015-04045-104	015-04045-104	N/A
	-58		015-04045-105	015-04045-105	N/A		015-04045-105	015-04045-105	N/A
YCRL0074	-17 & -28	ZP235KCE	015-04044-101	015-04044-101	N/A	ZP180KCE	015-04045-101	015-04045-101	N/A
	-40		015-04044-102	015-04044-102	N/A		015-04045-102	015-04045-102	N/A
	-46		015-04044-104	015-04044-104	N/A		015-04045-104	015-04045-104	N/A
	-58		015-04044-105	015-04044-105	N/A		015-04045-105	015-04045-105	N/A
YCRL0084	-17 & -28	ZP235KCE	015-04044-101	015-04044-101	N/A	ZP235KCE	015-04044-101	015-04044-101	N/A
	-40		015-04044-102	015-04044-102	N/A		015-04044-102	015-04044-102	N/A
	-46		015-04044-104	015-04044-104	N/A		015-04044-104	015-04044-104	N/A
	-58		015-04044-105	015-04044-105	N/A		015-04044-105	015-04044-105	N/A
YCRL0096	-17 & -28	ZP180KCE	015-04045-101	015-04045-101	015-04045-101	ZP180KCE	015-04045-101	015-04045-101	015-04045-101
	-40		015-04045-102	015-04045-102	015-04045-102		015-04045-102	015-04045-102	015-04045-102
	-46		015-04045-104	015-04045-104	015-04045-104		015-04045-104	015-04045-104	015-04045-104
	-58		015-04045-105	015-04045-105	015-04045-105		015-04045-105	015-04045-105	015-04045-105
YCRL0118	-17 & -28	ZP385KCE	015-04052-101	015-04052-101	N/A	ZP285KCE	015-04054-101	015-04054-101	N/A
	-40		015-04052-102	015-04052-102	N/A		015-04054-102	015-04054-102	N/A
	-46		015-04052-104	015-04052-104	N/A		015-04054-104	015-04054-104	N/A
	-58		015-04052-105	015-04052-105	N/A		015-04054-105	015-04054-105	N/A
YCRL0126	-17 & -28	ZP235KCE	015-04044-101	015-04044-101	015-04044-101	ZP235KCE	015-04044-101	015-04044-101	015-04044-101
	-40		015-04044-102	015-04044-102	015-04044-102		015-04044-102	015-04044-102	015-04044-102
	-46		015-04044-104	015-04044-104	015-04044-104		015-04044-104	015-04044-104	015-04044-104
	-58		015-04044-105	015-04044-105	015-04044-105		015-04044-105	015-04044-105	015-04044-105
YCRL0156	-17 & -28	ZP285KCE	015-04054-101	015-04054-101	015-04054-101	ZP285KCE	015-04054-101	015-04054-101	015-04054-101
	-40		015-04054-102	015-04054-102	015-04054-102		015-04054-102	015-04054-102	015-04054-102
	-46		015-04054-104	015-04054-104	015-04054-104		015-04054-104	015-04054-104	015-04054-104
	-58		015-04054-105	015-04054-105	015-04054-105		015-04054-105	015-04054-105	015-04054-105
YCRL0177	-17 & -28	BITZER 385	015-04396-102	015-04396-102	015-04396-102	BITZER 385	015-04396-102	015-04396-102	N/A
	-40		015-04396-103	015-04396-103	015-04396-103		015-04396-103	015-04396-103	N/A
	-46		015-04396-104	015-04396-104	015-04396-104		015-04396-104	015-04396-104	N/A
	-58		015-04396-105	015-04396-105	015-04396-105		015-04396-105	015-04396-105	N/A
YCRL0198	-17 & -28	BITZER 385	015-04396-102	015-04396-102	015-04396-102	BITZER 385	015-04396-102	015-04396-102	015-04396-102
	-40		015-04396-103	015-04396-103	015-04396-103		015-04396-103	015-04396-103	015-04396-103
	-46		015-04396-104	015-04396-104	015-04396-104		015-04396-104	015-04396-104	015-04396-104
	-58		015-04396-105	015-04396-105	015-04396-105		015-04396-105	015-04396-105	015-04396-105

COMPRESSOR (CONT'D)

TABLE 3 (CONT'D) – COMPRESSOR PART NUMBERS (SEE FIG. 3, PAGE 16)

CHILLER MODEL	VOLTAGE CODE	SYSTEM 1				SYSTEM 2			
		COMP. MODEL #	COMPRESSOR #1	COMPRESSOR #2	COMPRESSOR #3	COMP. MODEL #	COMPRESSOR #4	COMPRESSOR #5	COMPRESSOR #6
YCRL0200	-50	ZP180KCE	015-04045-104	015-04045-104	N/A	ZP180KCE	015-04045-104	015-04045-104	N/A
YCRL0230	-50	ZP235KCE	015-04044-104	015-04044-104	N/A	ZP180KCE	015-04045-104	015-04045-104	N/A
YCRL0260	-50	ZP235KCE	015-04044-104	015-04044-104	N/A	ZP235KCE	015-04044-104	015-04044-104	N/A
YCRL0300	-50	ZP285KCE	015-04054-104	015-04054-104	N/A	ZP285KCE	015-04054-104	015-04054-104	N/A
YCRL0345	-50	ZP385KCE	015-04052-104	015-04052-104	N/A	ZP285KCE	015-04054-104	015-04054-104	N/A
YCRL0385	-50	ZP235KCE	015-04044-104	015-04044-104	015-04044-104	ZP235KCE	015-04044-104	015-04044-104	015-04044-104
YCRL0445	-50	ZP285KCE	015-04054-104	015-04054-104	015-04054-104	ZP285KCE	015-04054-104	015-04054-104	015-04054-104
YCRL0530	-50	ZP385KCE	015-04052-104	015-04052-104	015-04052-104	ZP285KCE	015-04054-104	015-04054-104	015-04054-104
YCRL0610	-50	ZP385KCE	015-04052-104	015-04052-104	015-04052-104	ZP385KCE	015-04052-104	015-04052-104	015-04052-104

TABLE 3A – COMPRESSOR HEATER AND COMPRESSOR SOUND BLANKET PART NUMBERS

COMPRESSOR PART NUMBER	HEATER PART NUMBER	QUANTITY PER COMPRESSOR	SOUND BLANKET PART NUMBER	QUANTITY PER COMPRESSOR
015-04045-xxx	025-40351-000	1	010-06507-002	1
015-04055-xxx	025-40351-000	1	010-06507-007	1
015-04044-xxx	025-37852-000	1	010-06507-001	1
015-04052-xxx	025-37853-000	1	010-06507-000	1
015-04054-xxx	025-37853-000	1		1

TABLE 3B – RECOMMENDED OIL TYPE

ITEM	REF.	DESCRIPTION	1 QUART CAN	(6) 1 GALLON	5 GALLON
OIL ^s	R-410A	Oil, Copeland Compressor (Type 'V')	n/a	011-00948-000	011-00949-000
		Oil, Bitzer Compressor (Type 'YORK PVE')*	011-00981-000	n/a	011-00982-000

^s = Recommended Spare Parts

*Note: Type 'YORK PVE' synthetic oil used on models YCRL0177 and YCRL0198 only.

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CONTROL PANEL AND POWER PANEL CONFIGURATIONS

Power panels and option panels are offered in several different configurations using three (3) major components:

1. TERMINAL BLOCKS
2. CIRCUIT BREAKERS
3. NON-FUSED DISCONNECT SWITCHES

The most basic chiller power wiring configuration uses TERMINAL BLOCKS in the power panels, and an options panel with no power wire termination hardware. See figures on previous page. The model pin number locations 16 and 17 would be X and X to reflect this basic combination. Identify model pin number locations 16 and 17 to identify the chiller power wiring connections and hardware listed below.

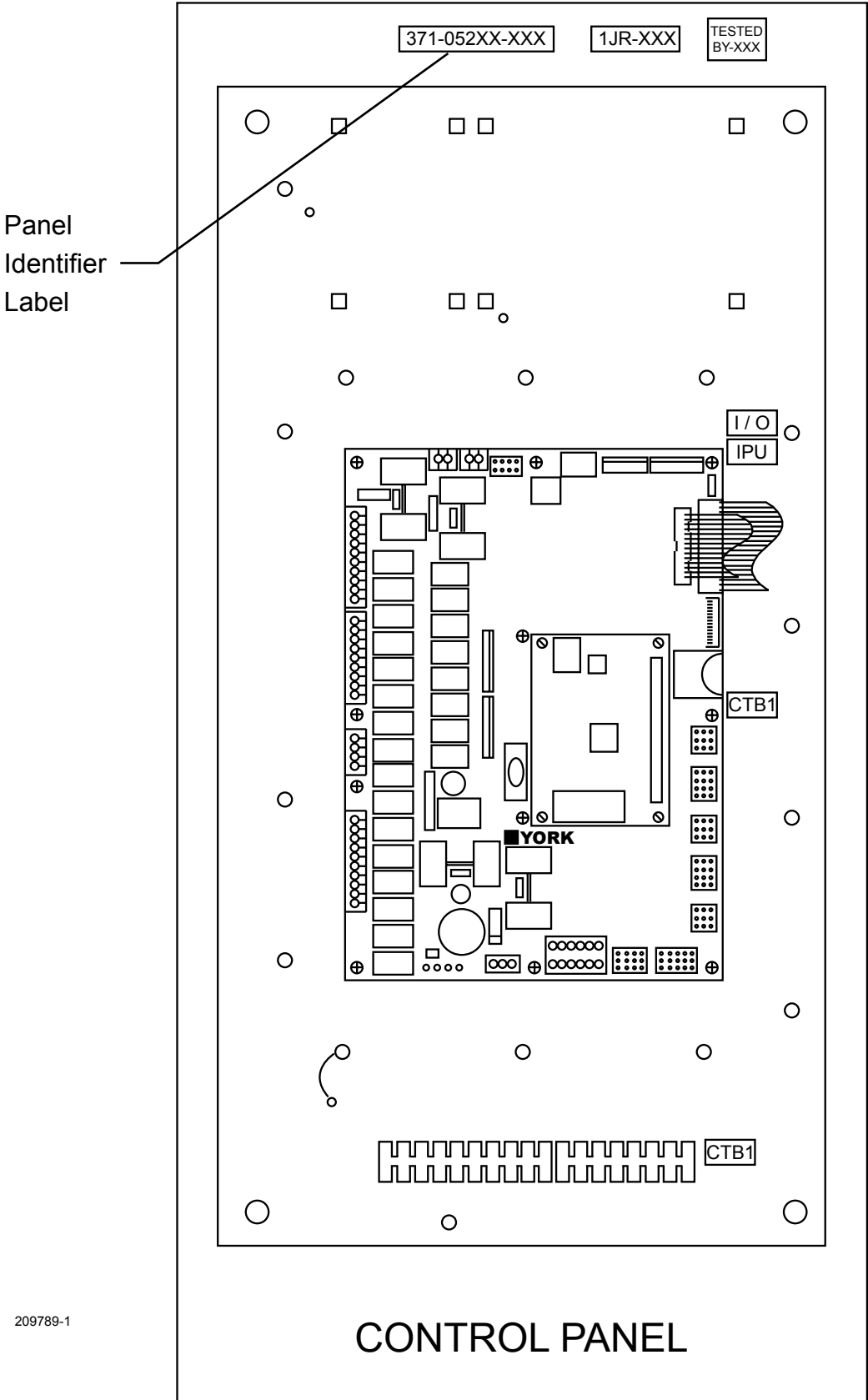
PIN 16 & 17 LETTER CODE IDENTIFIERS		OPTION PANEL AND POWER PANEL CONFIGURATIONS
X	X	Single Point Supply Terminal Block
B	X	Single Point Supply Circuit Breaker
S	D	Single Point Supply Non-Fused Disconnect Switch
M	B	Multi Point Terminal Block with Separate System Circuit Breakers

REQUIRED TRANSFORMER			
MODEL	CONTROL POWER TRANSFORMER KIT	VOLTAGE CODE	PART NUMBER
60Hz	1.0 KVA	-17	375-75132-101
		-28	375-75132-102
		-40	375-75132-103
		-46	375-75132-105
		-50	N/A*
		-58	375-75132-106

*** Note:**

The Control Transformer is standard on all 50 Hz CE models.

CONTROL PANEL AND POWER PANEL COMPONENTS



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FIG. 4 – CONTROL AND POWER PANEL IDENTIFIER LOCATION

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 4 – CONTROL PANEL AND POWER PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER FROM THE TABLES BELOW OR FROM THE PANEL IDENTIFIER LABEL SHOWN ON PAGE 21, THEN REFER TO THE 'CONTROL AND POWER PANEL COMPONENTS' TABLES, PAGES 27-42 AND FIGS. 5A, 5B, 5C & 5D ON PAGES 24, 25, 26 & 39).

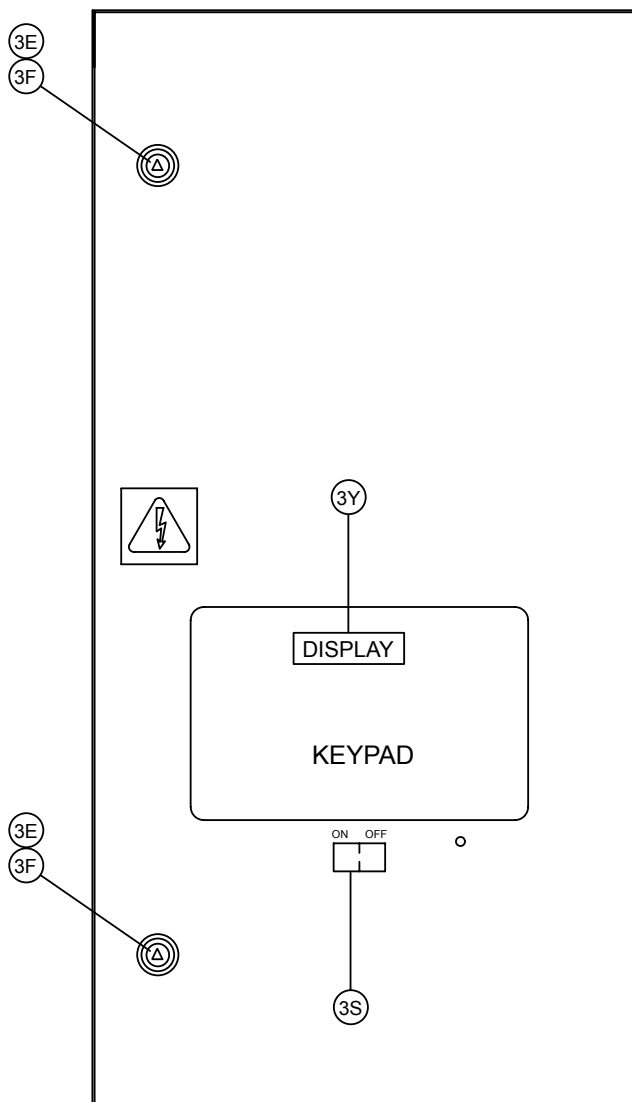
Model	Voltage Code	Single Point Terminal Block (XX)	Single Point Circuit Breaker (BX)	Multi Point Terminal Block w/ Sep. Sys. Circuit Breakers (MB)
YCRL0064	17 & 28	371-05212-105	371-05212-311	371-05212-502
	40	371-05212-106	371-05212-312	371-05212-522
	46		371-05212-313	371-05212-512
	58		371-05212-314	371-05212-532
YCRL0074	17 & 28	371-05212-107	371-05212-317	371-05212-503
	40	371-05212-108	371-05212-318	371-05212-523
	46		371-05212-308	371-05212-513
	58		371-05212-320	371-05212-533
YCRL0084	17 & 28	371-05212-109	371-05212-325	371-05212-504
	40	371-05212-110	371-05212-326	371-05212-524
	46		371-05212-327	371-05212-514
	58		371-05212-328	371-05212-534
YCRL0096	17 & 28	371-05213-101	371-05213-301	371-05213-501
	40	371-05213-102	371-05213-302	371-05212-521
	46		371-05213-303	371-05212-511
	58		371-05213-304	371-05213-531
YCRL0118	17 & 28	371-05212-115	371-05212-351	371-05212-507
	40	371-05212-116	371-05212-352	371-05212-527
	46		371-05212-353	371-05212-517
	58		371-05212-354	371-05212-537
YCRL0126	17 & 28	N/A	371-05213-317	371-05213-502
	40	371-05213-106	371-05213-318	371-05213-522
	46			371-05213-512
	58			371-05213-532
YCRL0156	17 & 28	N/A	371-05213-321	371-05213-503
	40	371-05213-115	371-05213-325	371-05213-523
	46	371-05213-110	371-05213-322	371-05213-513
	58			371-05213-533

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 4 – CONTROL PANEL AND POWER PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER FROM THE TABLES BELOW OR FROM THE PANEL IDENTIFIER LABEL SHOWN ON PAGE 21, THEN REFER TO THE 'CONTROL AND POWER PANEL COMPONENTS' TABLES, PAGES 27-42 AND FIGS. 5A, 5B, 5C & 5D ON PAGES 24, 25, 26 & 39)

Model	Voltage Code	Single Point Terminal Block (XX)	Single Point Circuit Breaker (BX)	Multi Point Terminal Block w/ Sep. Sys. Circuit Breakers (MB)
YCRL0177	17 & 28	N/A	N/A	371-05587-501
	40	371-05213-119	371-05213-326	371-05587-502
	46	371-05213-112	371-05213-327	371-05587-503
	58		371-05213-328	371-05587-504
YCRL0198	17 & 28	N/A	N/A	371-05587-506
	40	371-05213-118	371-05213-329	371-05587-507
	46	371-05213-114	371-05213-330	371-05587-508
	58	371-05213-117	371-05213-331	371-05587-509

Model	Voltage Code	Efficiency (PIN 9 = H)	Single Point Non-Fused Disconnect (SD)	
			Across the Line Start	Soft Start
YCRL0200	50	H	371-05217-701	371-05217-801
YCRL0230	50	H	371-05217-702	371-05217-802
YCRL0260	50	H	371-05217-703	371-05217-803
YCRL0300	50	H	371-05218-701	371-05218-801
YCRL0345	50	H	371-05218-702	371-05218-802
YCRL0385	50	H	371-05218-703	371-05218-803
YCRL0445	50	H	371-05218-705	371-05218-805
YCRL0530	50	H	371-05218-706	371-05218-806
YCRL0610	50	H	371-05218-707	371-05218-807

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

FRONT VIEW

FIG. 5A – CONTROL PANEL COMPONENTS (REF. TABLE 4A, PAGE 24)

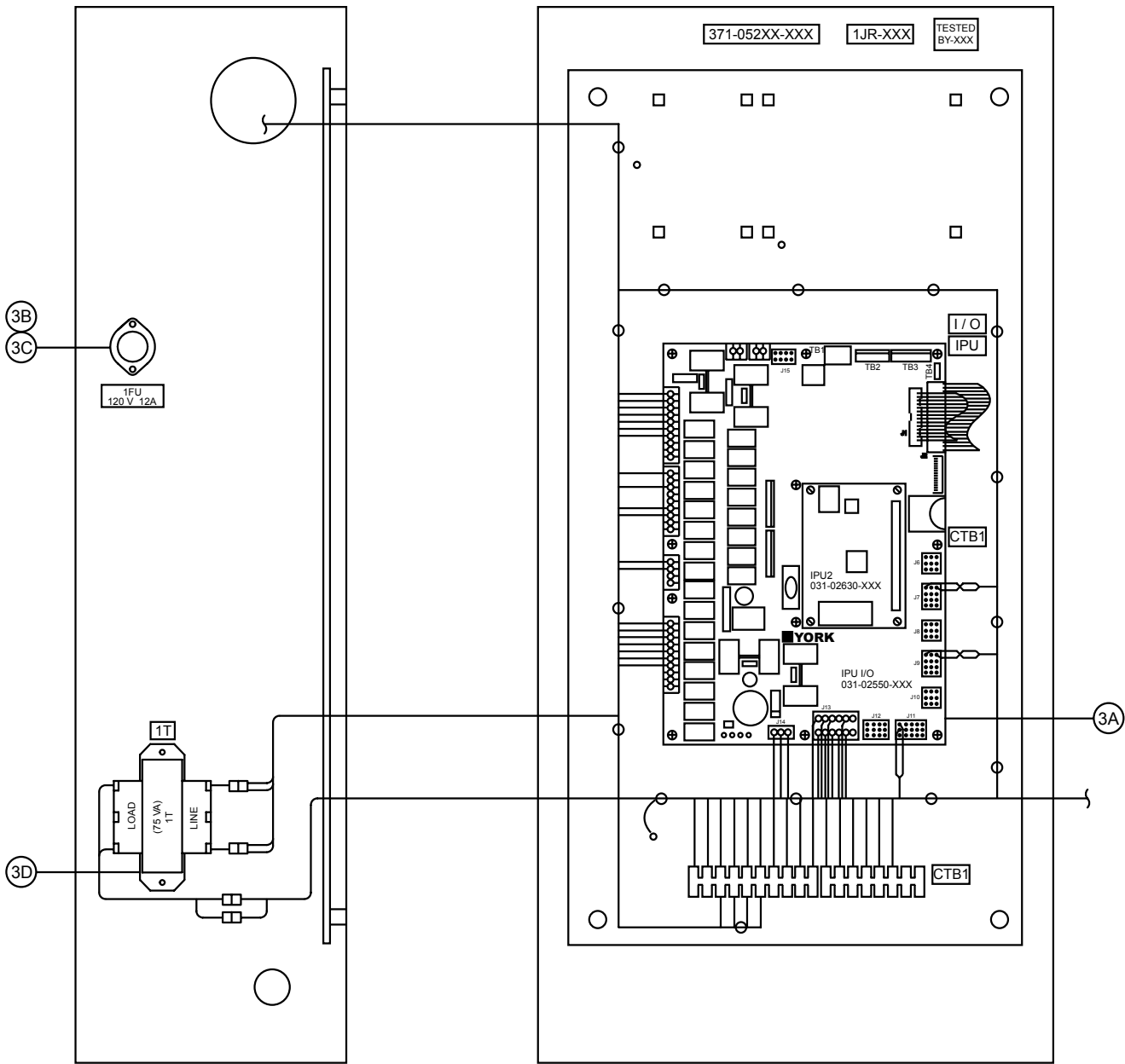
209788-1

TABLE 4A – CONTROL PANEL COMPONENTS (SEE FIGS. 5A AND 5B, PAGES 24-25)

ITEM #	QTY	VOLT CODE	DESCRIPTION	PART NUMBER
3A	1	All	I/O & IPU2 Board Kit	331-02550-101
3B	1	All	Fuse Block	025-34484-000
3C	1	All	Fuse	025-34435-000
3D	1	All	Control Transformer	025-37679-000
3E	2	All	Twist Latch	029-23445-000
3F	2	All	Twist Latch Key	029-23454-000
3Q^s	1	60Hz	Flash Cards	031-02755-001
		50Hz		031-02755-004
3S	1	All	Switch	024-25517-000
3Y	1	All	Display	031-02749-000

S = Recommended Spare Part

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)



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FIG. 5B – CONTROL PANEL COMPONENTS (REF. TABLE 4A, PAGE 24)

[illegible]

26

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0064-17 & YCRL0064-28				YCRL0064-40				YCRL0064-46			
			371-05212-105* XX	371-05212-311* BX	371-05212-502* MB	371-05212-106* XX	371-05212-312* BX	371-05212-522* MB	371-05212-106* XX	371-05212-313* BX	371-05212-512* MB			
1A	2	Comp. Contactor (L)	024-35470-000	024-35470-000	024-35470-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000			
		Comp. Contactor (R)												
1E	2	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000			
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			
2A	3	Single Point Terminal Block	025-38370-000	N/A	N/A	025-38364-000	N/A	N/A	N/A	N/A	N/A			
	1	Single Point Circuit Breaker	N/A	024-35976-000	N/A	N/A	024-37002-000	N/A	024-31844-000	N/A	N/A			
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-35974-000	N/A	N/A	024-31843-000	N/A	N/A	024-31841-000			
	1**	Lug Kit	N/A	025-40825-000	025-40824-000	N/A	025-34480-000	025-34478-000	025-34479-000	025-34478-000	025-34478-000			
2C	1**	Ground Lug	025-34086-000	025-34086-000	025-34085-000	025-34085-000	025-34089-000	025-34088-000	025-34085-000	025-34088-000	025-34088-000			
2L	1	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000			
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000			
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000			
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000			
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000			
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000			
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000			

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

****Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0064-58			YCRL0074-17 & YCRL0074-28				YCRL0074-40		
			371-05212-106* XX	371-05212-314* BX	371-05212-532* MB	371-05212-107* XX	371-05212-317* BX	371-05212-503* MB	371-05212-108* XX	371-05212-318* BX	371-05212-523* MB	
1A	2	Comp. Contactor (L)	024-35467-000	024-35467-000	024-35467-000	029-23472-000	029-23472-000	029-23472-000	024-35467-000	024-35467-000	024-35467-000	
		Comp. Contactor (R)				024-35473-000	024-35473-000	024-35470-000				
1E	4	Ground Lug (L)	025-34455-000	025-34455-000	025-34455-000	025-34088-000	025-34088-000	025-34088-000	025-34455-000	025-34455-000	025-34455-000	
		Ground Lug (R)										
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
2A	3	Single Point Terminal Block	025-38364-000	N/A	N/A	025-38370-000	N/A	N/A	025-38364-000	N/A	N/A	
	1	Single Point Circuit Breaker	N/A	024-31844-000	N/A	N/A	024-35976-000	N/A	N/A	024-37002-000	N/A	
	2	Multiple Point Circuit Breaker	N/A	N/A	024-31840-000	N/A	N/A	024-35974-000	N/A	N/A	024-31844-000	
2B	1**	Lug Kit	N/A	025-34479-000	025-34478-000	N/A	025-40825-000	025-40824-000	N/A	025-34480-000	025-34479-000	
2C	1**	Ground Lug	025-34085-000	025-34088-000	025-34088-000	025-34086-000	025-34086-000	025-34085-000	025-34085-000	025-34089-000	025-34088-000	
2L	1	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

****Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0074-46			YCRL0074-58			YCRL0084-17 & YCRL0084-28		
			371-05212-108* XX	371-05212-308* BX	371-05212-513* MB	371-05212-108* XX	371-05212-320* BX	371-05212-533* MB	371-05212-109* XX	371-05212-325* BX	371-05212-504* MB
1A	2	Comp. Contactor (L) Comp. Contactor (R)	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-23472-000	024-23472-000	024-23472-000
1E	4	Ground Lug	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34088-000	025-34088-000	025-34088-000
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
2A	3	Single Point Terminal Block	025-38364-000	N/A	N/A	025-38364-000	N/A	N/A	025-38370-000	N/A	N/A
	1	Single Point Circuit Breaker	N/A	024-31649-000	N/A	N/A	024-31844-000	N/A	N/A	024-35976-000	N/A
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-31842-000	N/A	N/A	024-31840-000	N/A	N/A	024-35974-000
	1**	Lug Kit	N/A	025-34479-000	025-34478-000	N/A	025-34479-000	025-34478-000	N/A	025-40825-000	025-40824-000
2C	1**	Ground Lug	025-34085-000	025-34088-000	025-34088-000	025-34085-000	025-34088-000	025-34088-000	025-34086-000	025-34086-000	025-34085-000
2L	1	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000

*** Service Note:**

Locate the **PANEL NUMBER** sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

**** Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0084-40			YCRL0084-46			YCRL0084-58		
			371-05212-110* XX	371-05212-326* BX	371-05212-524* MB	371-05212-110* XX	371-05212-327* BX	371-05212-514* MB	371-05212-110* XX	371-05212-328* BX	371-05212-534* MB
1A	2	Comp. Contactor (L)	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	
		Comp. Contactor (R)									
1E	4	Ground Lug	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
2A	3	Single Point Terminal Block	025-38364-000	N/A	N/A	025-38364-000	N/A	N/A	N/A	N/A	
	1	Single Point Circuit Breaker	N/A	024-37002-000	N/A	N/A	024-31649-000	N/A	024-31844-000	N/A	
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-31844-000	N/A	N/A	024-31842-000	N/A	024-31840-000	
	1**	Lug Kit	N/A	025-34480-000	025-34479-000	N/A	025-34479-000	025-34478-000	N/A	025-34478-000	
2C	1**	Ground Lug	025-34085-000	025-34089-000	025-34088-000	025-34085-000	025-34088-000	025-34088-000	025-34085-000	025-34088-000	
2L	1	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

****Service Note:**

Quantity of 2 Ground Bars for Multiple Point Circuit Breaker units.

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0096-17 & YCRL0096-28				YCRL0096-40				YCRL0096-46			
			371-05213-101* XX	371-05213-301* BX	371-05213-501* MB	371-05213-102* XX	371-05213-302* BX	371-05213-521* MB	371-05213-102* XX	371-05213-303* BX	371-05213-511* MB			
1A	2	Comp. Contactor (L)	029-23472-000	029-23472-000	024-35470-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000			
		Comp. Contactor (R)												
1E	4	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000			
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			
2A	3	Single Point Terminal Block	024-35977-000***	N/A	N/A	025-38370-000	N/A	N/A	025-38370-000	N/A	N/A			
	1	Single Point Circuit Breaker	N/A	024-35976-000	N/A	N/A	024-35974-000	N/A	024-35974-000	N/A	N/A			
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-35974-000	N/A	N/A	024-31649-000	N/A	N/A	024-31843-000			
	1**	Lug Kit	025-40826-000	025-40826-000	025-40824-000	N/A	025-40824-000	025-34479-000	N/A	025-40824-000	025-34478-000			
2C	1**	Ground Lug	025-34089-000	025-34089-000	025-34085-000	025-34086-000	025-34085-000	025-34088-000	025-34086-000	025-34085-000	025-34088-000			
2L	1	Handle	024-31880-000	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000			
2M	1	Shaft (8.86")	024-31879-000	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000			
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000			
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000			
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000			
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000			
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000			

***** Service Note:**

Due to size constraints, a Non-Fused Disconnect Switch (part number 024-35977-000) is used in place of the Terminal Block option on panel 371-05213-101.

*** Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

**** Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRLO0096-58				YCRLO118-17 & YCRLO0028				YCRLO118-40			
			371-05213-102* XX	371-05213-304* BX	371-05213-531* MB	371-05212-115* XX	371-05212-351* BX	371-05212-507* MB	371-05212-116* XX	371-05212-352* BX	371-05212-527* MB			
1A	2	Comp. Contactor (L)	024-35467-000	024-35467-000	024-35467-000	024-34294-000	024-34294-000	024-34294-000	024-35473-000	024-35473-000	024-35473-000			
		Comp. Contactor (R)							024-35470-000	024-35470-000	024-35470-000			
1E	4	Ground Lug	025-34455-000	025-34455-000	025-34455-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000			
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			
2A	3	Single Point Terminal Block	025-38370-000	N/A	N/A	025-38364-000	N/A	N/A	025-38370-000	N/A	N/A			
	1	Single Point Circuit Breaker	N/A	024-35974-000	N/A	N/A	025-34425-000	N/A	024-35976-000	N/A	N/A			
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-31843-000	N/A	N/A	024-35974-000	N/A	N/A	024-35974-000			
	1**	Lug Kit (L)	N/A	025-40824-000	025-34478-000	N/A	025-34414-000	025-40825-000	N/A	025-40824-000	025-40824-000			
2C	1**	Ground Lug (L)	025-34086-000	025-34085-000	025-34088-000	025-34085-000	025-34086-000	025-34086-000	025-34086-000	025-34086-000	025-34085-000			
		Ground Lug (R)												
2L	1	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000			
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000			
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000			
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000			
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000			
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000			
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000			

****Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0118-46				YCRL0118-58				YCRL0126-17 & YCRL0126-28		
			371-05212-116* XX	371-05212-353* BX	371-05212-517* MB	371-05212-116* XX	371-05212-354* BX	371-05212-537* MB	N/A XX	371-05213-317* BX	371-05213-502* BX		
1A	2	Comp. Contactor (L)	024-35473-000	024-35473-000	024-35473-000	024-35473-000	024-35473-000	024-35473-000	N/A	029-23472-000	029-23472-000		
		Comp. Contactor (R)	024-35470-000	024-35470-000	024-35470-000	024-35470-000	024-35470-000	024-35470-000					
1E	4	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000	N/A	025-34088-000	025-34088-000		
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000					
2A	3	Single Point Terminal Block	025-38370-000	N/A	N/A	025-38370-000	N/A	N/A	N/A	N/A	N/A		
		Single Point Circuit Breaker	N/A	024-35974-000	N/A	N/A	024-35974-000	N/A					
	2	Multiple Point Circuit Breaker	N/A	N/A	024-35974-000	N/A	N/A	024-31649-000	N/A	024-31649-000	024-31649-000		
		Lug Kit	N/A	025-40824-000	025-40824-000	N/A	025-40824-000	025-34479-000					
2B	1**	Ground Lug	025-34086-000	025-34085-000	025-34085-000	025-34086-000	025-34085-000	025-34088-000	N/A	025-34481-000	025-40825-000		
2C	1**	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000					
2L	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000		
2M	1	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000					
6	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	N/A	031-00808-000	031-00808-000		
7	2	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000					
18	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	N/A	025-37653-000	025-37653-000		
19	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000					
23	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	N/A	025-35685-000	025-35685-000		
28	1												

****Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0126-40			YCRL0126-46			YCRL0126-58		
			371-05213-106* XX	371-05213-318* BX	371-05213-522* MB	371-05213-106* XX	371-05213-318* BX	371-05213-512* MB	371-05213-106* XX	371-05213-318* BX	371-05213-532* MB
1A	2	Comp. Contactor (L)	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000
		Comp. Contactor (R)									
1E	4	Ground Lug	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
2A	3	Single Point Terminal Block	025-38370-000	N/A	N/A	025-38370-000	N/A	N/A	025-38370-000	N/A	N/A
	1	Single Point Circuit Breaker	N/A	024-35974-000	N/A	N/A	024-35974-000	N/A	024-35974-000	N/A	N/A
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-31649-000	N/A	N/A	024-31844-000	N/A	N/A	024-31843-000
	1**	Lug Kit	N/A	025-40824-000	025-34479-000	N/A	025-40824-000	025-34479-000	N/A	025-40824-000	025-34478-000
2C	1**	Ground Lug	025-34086-000	025-34085-000	025-34088-000	025-34086-000	025-34085-000	025-34088-000	025-34086-000	025-34085-000	025-34088-000
2L	1	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000

****Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRLO156-17 & YCRLO156-28			YCRLO156-40			YCRLO156-46					
			N/A XX	371-05213-321* BX	371-05213-503* MB	371-05213-115* XX	371-05213-325* BX	371-05213-523* MB	371-05213-110* XX	371-05213-322* BX	371-05213-513* MB			
1A	2	Comp. Contactor (L)	N/A	NO RAM INFO AS OF 07/01/10	024-34294-000	029-23472-000	029-23472-000	024-35470-000	024-35470-000	024-35470-000	024-35467-000			
		Comp. Contactor (R)												
1E	4	Ground Lug				025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34455-000			
1F	2	Surge Suppressor				031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			
2A	3	Single Point Terminal Block***				024-35977-000	N/A	N/A	025-38370-000	N/A	N/A			
	1	Single Point Circuit Breaker				N/A	N/A	N/A	N/A	N/A	N/A			
	2	Multiple Point Circuit Breaker				025-35976-000	N/A	024-35974-000	N/A	N/A	024-35974-000			
2B	1**	Lug Kit				N/A	NO RAM INFO AS OF 07/01/10	025-40825-000	N/A	025-40826-000	025-40824-000	N/A	025-40824-000	
2C	1**	Ground Lug							025-34086-000	025-34089-000	025-34085-000	025-34086-000	025-34086-000	025-34085-000
2L	1	Handle							024-31880-000	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000
2M	1	Shaft (8.86")	024-31879-000	024-31879-000	024-31879-000				N/A	024-31879-000	024-31879-000			
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000				024-35526-000	024-35526-000	024-35526-000			
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000				031-00808-000	031-00808-000	031-00808-000			
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000				025-35667-000	025-35667-000	025-35667-000			
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000				025-37653-000	025-37653-000	025-37653-000			
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000				025-39400-000	025-39400-000	025-39400-000	025-39400-000		
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000				025-35685-000	025-35685-000	025-35685-000	025-35685-000		

***** Service Note:**

Due to size constraints, a Non-Fused Disconnect Switch (part number 024-35977-000) is used in place of the Terminal Block option on panel 371-05213-101.

*** Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

**** Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRLO156-58			YCRLO177-17 & YCRLO177-28			YCRLO177-40		
			371-05213-110* XX	371-05213-322* BX	371-05213-533* MB	N/A XX	N/A BX	371-05587-501* MB	371-05213-119* XX	371-05213-326* BX	371-05587-502* MB
1A	4	Comp. Contactor (L) Comp. Contactor (R)	024-35470-000	024-35470-000	024-35467-000			024-34294-000	LC1D115F7		LC1D115F7
1E	4	Ground Lug	025-34088-000	025-34088-000	025-34455-000			025-34088-000	025-34088-000		025-34088-000
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000			031-00808-000	031-00808-000		031-00808-000
2A	3	Single Point Terminal Block	025-38370-000	N/A	N/A			N/A	025-38364-000		N/A
	1	Single Point Circuit Breaker	N/A	024-35976-000	N/A			N/A	N/A		N/A
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-31844-000			024-35976-000	N/A		024-37002-000
											024-35974-000
2B	1**	Lug Kit	N/A	025-40825-000	025-34479-000	N/A	N/A	025-40825-000	N/A	NO RAM INFO AS OF 07/01/10	025-34480-000
2C	1**	Ground Lug	025-34086-000	025-34086-000	025-34088-000			025-34086-000	025-34085-000		025-40824-000
2L	1	Handle	N/A	024-31880-000	024-31880-000			024-31880-000	N/A		025-34089-000
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000			024-31879-000	N/A		025-34085-000
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000			02435526-000	02435526-000		024-31879-000
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000			031-02107-000	031-02107-000		024-35526-000
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000			025-35667-000	025-35667-000		031-02107-000
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000			025-37653-000	025-37653-000		025-35667-000
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000			025-39400-000	025-39400-000		025-37653-000
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000			025-35685-000	025-35685-000		025-39400-000
											025-35685-000

****Service Note:**

Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRL0177-46				YCRL0177-58				YCRL0198-17 & YCRL0198-28			
			371-05213-112* XX	371-05213-327* BX	371-05587-503* MB	371-05213-112* XX	371-05213-328* BX	371-05587-504* MB	N/A XX	N/A BX	371-05587-506* MB			
1A	5	Comp. Contactor (L) Comp. Contactor (R)	LC1D80G7	LC1D80G7	024-34310-000	LC1D80G7	024-35467-000	024-34309-000			024-34294-000			
1E	5	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34455-000	025-34088-000			025-34088-000			
1F	5	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000			031-00808-000			
2A	6	Single Point Terminal Block	025-38370-000	N/A	N/A	025-38370-000	N/A	N/A			N/A			
	1	Single Point Circuit Breaker	N/A	024-35976-000	N/A	N/A	024-35974-000	N/A			N/A			
2B	2	Multiple Point Circuit Breaker	N/A	N/A	024-31851-000 024-31649-000	N/A	N/A	024-31844-000 024-31649-000			024-35976-000			
	1**	Lug Kit	N/A	025-40825-000	025-34480-000 025-34479-000	N/A	025-40824-000	025-34479-000			025-40825-000			
2C	1**	Ground Lug	025-34086-000	025-34086-000	025-34089-000 025-34088-000	025-34086-000	025-34085-000	025-34088-000			025-34086-000			
2L	1	Handle	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000			024-31880-000			
2M	1	Shaft (8.86")	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000			024-31879-000			
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000			024-35526-000			
7	2	Surge Suppressor	031-02107-000	031-02107-000	031-02107-000	031-02107-000	031-02107-000	031-02107-000			031-02107-000			
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000			025-35667-000			
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000			025-37653-000			
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000			025-39400-000			
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000			025-35685-000			

****Service Note:**
Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIG. 5C, PAGES 26)

Item	Qty	Description	YCRLO198-40			YCRLO198-46			YCRLO198-58		
			371-05213-118* XX	371-05213-329* BX	371-05587-507* MB	371-05213-114* XX	371-05213-330* BX	371-05587-508* MB	371-05213-117* XX	371-05213-331* BX	371-05587-509* MB
1A	2	Comp. Contactor (L)		LC1D115F7	LC1D115F7	LC1D80G7	LC1D80G7	024-34310-000	024-35467-000	024-35467-000	024-34309-000
1E	4	Comp. Contactor (R)									
1F	2	Ground Lug									
	2	Surge Suppressor		025-34088-000 031-00808-000	025-34088-000 031-00808-000	025-34088-000 031-00808-000	025-34088-000 031-00808-000	025-34088-000 031-00808-000	025-34455-000 031-00808-000	025-34455-000 031-00808-000	025-34088-000 031-00808-000
	3	Single Point Terminal Block		N/A	N/A	025-38370-000	N/A	N/A	025-38370-000	N/A	N/A
2A	1	Single Point Circuit Breaker		025-34425-000	N/A	N/A	024-35976-000	N/A	N/A	024-35976-000	N/A
	2	Multiple Point Circuit Breaker		N/A	024-35974-000	N/A	N/A	024-31851-000	N/A	N/A	024-31649-000
2B	1**	Lug Kit	NO RAM INFO AS OF 07/01/10								
2C	1**	Ground Lug									
2L	1	Handle		025-34414-000	025-40824-000	N/A	025-40826-000	025-34480-000	N/A	025-40825-000	025-34479-000
2M	1	Shaft (8.86")		025-34086-000	025-34085-000	N/A	025-34089-000	025-34089-000	025-34086-000	025-34086-000	025-34088-000
6	2	Control Relay		024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000	N/A	024-31880-000	024-31880-000
7	2	Surge Suppressor		024-35526-000	024-35526-000	N/A	024-31879-000	024-31879-000	N/A	024-31879-000	024-31879-000
18	1	Fuse Block		024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
19	1	Fuse		031-02107-000	031-02107-000	031-02107-000	031-02107-000	031-02107-000	031-02107-000	031-02107-000	031-02107-000
23	1	Control Transformer		025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000
28	1	Ground Bar		025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
				025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
				025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000

****Service Note:**

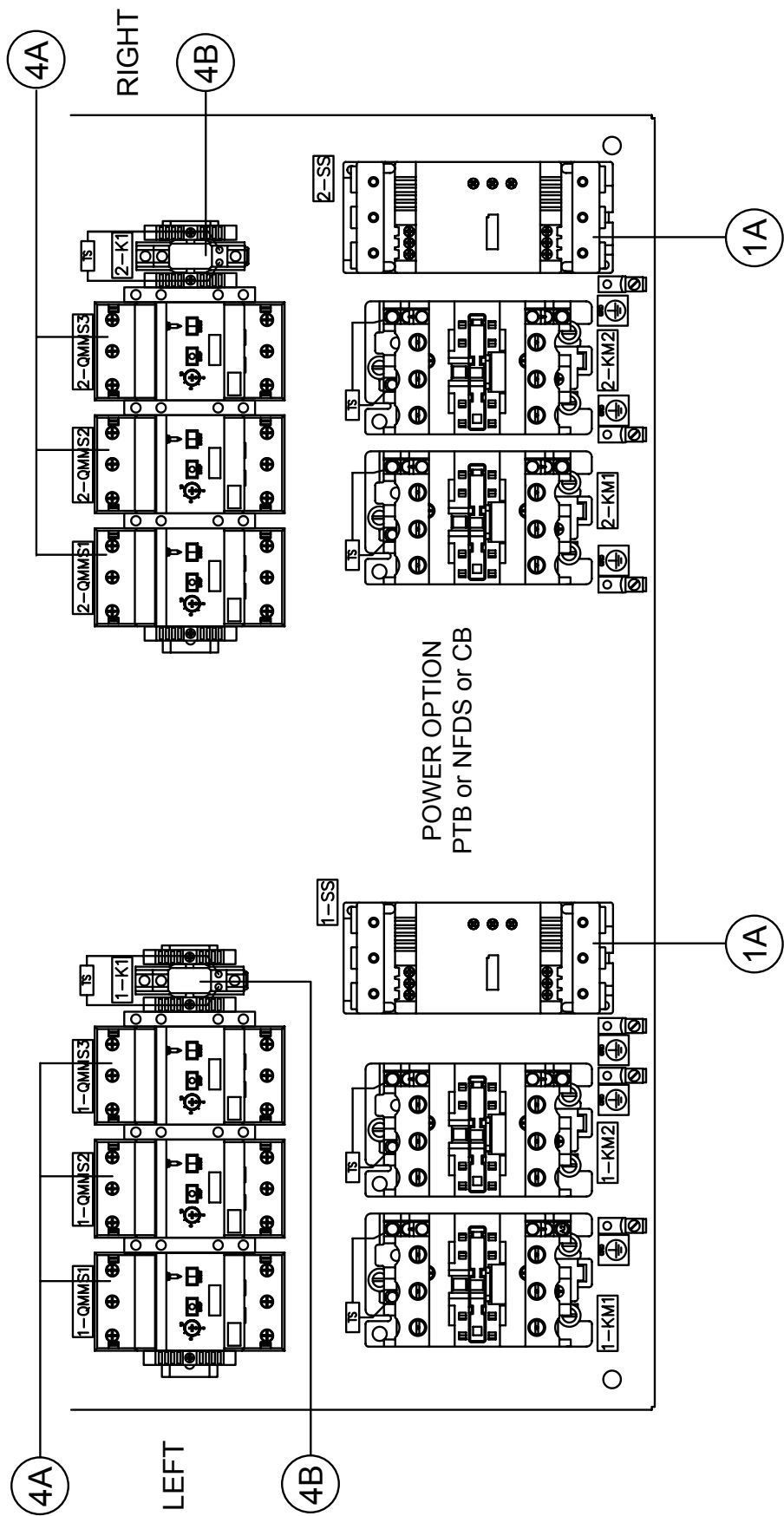
Quantity of 2 Ground Lugs for Multiple Point Circuit Breaker units.

***Service Note:**

Locate the PANEL NUMBER sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

XX*	SINGLE POINT TERMINAL BLOCK
BX*	SINGLE POINT CIRCUIT BREAKER
MB*	MULTI POINT CIRCUIT BREAKERS

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)



209791-6

FIG. 5D – POWER PANEL COMPONENTS - SOFT START (REF. TABLE 6, PAGES 37-41)

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIGS. 5C AND 5D, PAGES 26 AND 39)

Item	Qty	Description	YCRL0200-50		YCRL0230-50		YCRL0260-50	
			371-05217-701* SD (ATL)	371-05217-801* SD (YD)	371-05217-702* SD (ATL)	371-05217-802* SD (YD)	371-05217-703* SD (ATL)	371-05217-803* SD (YD)
1A	2	Comp. Contactor (L)	024-35459-000	024-35459-000	024-35462-000	024-35462-000	024-35462-000	024-35462-000
		Comp. Contactor (R)			024-35459-000	024-35459-000		
1E	4	Ground Lug	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
2A	1	Single Point NF Disconnect Switch	024-31888-000	024-31888-000	024-31888-000	024-31888-000	024-31888-000	024-31888-000
2B	1	Lug Kit	025-34479-000	025-34479-000	025-34479-000	025-34479-000	025-34479-000	025-34479-000
2C	1	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000
2L	1	Handle	024-31880-000	024-31880-000	024-31880-000	024-31880-000	024-31880-000	024-31880-000
2M	1	Shaft (8.86")	024-31879-000	024-31879-000	024-31879-000	024-31879-000	024-31879-000	024-31879-000
4A	4	Manual Starter (L)	024-33183-000	024-33183-000	024-31816-000	024-31816-000	024-31816-000	024-31816-000
		Manual Starter (R)			024-33183-000	024-33183-000		
4B	4	Auxiliary Contact (L)	024-33176-000	024-33176-000	024-31814-000	024-31814-000	024-31814-000	024-31814-000
		Auxiliary Contact (R)			024-33176-000	024-33176-000		
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000
29	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
30	2	Fuse, Time Delay	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
31	2	Power Relay	N/A	024-36701-000	N/A	024-36701-000	N/A	024-36701-000
32	2	Ground Lug	N/A	025-34455-000	N/A	025-34455-000	N/A	025-34455-000
33	2	Surge Suppressor	N/A	031-00808-000	N/A	031-00808-000	N/A	031-00808-000

*** Service Note:**

Locate the **PANEL NUMBER** sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

SD* SINGLE POINT NON-FUSED DISCONNECT SWITCH

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIGS. 5C AND 5D, PAGES 26 AND 39)

Item	Qty	Description	YCRL0300-50		YCRL0345-50		YCRL0385-50	
			371-05218-701* SD (YTL)	371-05218-801* SD (YD)	371-05218-702* SD (ATL)	371-05218-802* SD (YD)	371-05218-703* SD (ATL)	371-05218-803* SD (YD)
1A	2	Comp. Contactor (L)	024-35467-000	024-35467-000	024-35470-000	024-35470-000	024-35462-000	024-35462-000
		Comp. Contactor (R)			024-35467-000	024-35467-000		
1E	4	Ground Lug (L)	025-34455-000	025-34455-000	025-34088-000	025-34088-000	025-34455-000	025-34455-000
		Ground Lug (R)			025-34455-000	025-34455-000		
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
2A	1	Single Point NF Disconnect Switch	024-35975-000	024-35975-000	024-35975-000	024-35975-000	024-35975-000	024-35975-000
2B	1	Lug Kit	025-40824-000	025-40824-000	025-40824-000	025-40824-000	025-40824-000	025-40824-000
2C	1	Ground Lug	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000
2L	1	Handle	024-31880-000	024-31880-000	024-31880-000	024-31880-000	024-31880-000	024-31880-000
2M	1	Shaft (8.86")	024-31879-000	024-31879-000	024-31879-000	024-31879-000	024-31879-000	024-31879-000
4A	4	Manual Starter	025-34488-000	025-34488-000	025-34488-000	025-34488-000	024-31816-000	024-31816-000
4B	4	Auxiliary Contact	024-31814-000	024-31814-000	024-31814-000	024-31814-000	024-31814-000	024-31814-000
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000
29	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
30	2	Fuse, Time Delay	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
31	2	Power Relay	N/A	024-36701-000	N/A	024-36701-000	N/A	024-36701-000
32	2	Ground Lug	N/A	025-34455-000	N/A	025-34455-000	N/A	025-34455-000
33	2	Surge Suppressor	N/A	031-00808-000	N/A	031-00808-000	N/A	031-00808-000

***Service Note:**

Locate the **PANEL NUMBER** sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

SD* SINGLE POINT NON-FUSED DISCONNECT SWITCH

CONTROL PANEL AND POWER PANEL COMPONENTS (CONT'D)

TABLE 5 (CONT'D) – CONTROL AND POWER PANEL COMPONENTS (SEE FIGS. 5C AND 5D, PAGES 26 AND 39)

Item	Qty	Description	YCRL0445-50		YCRL0530-50		YCRL0610-50	
			371-05218-705* SD (ATL)	371-05218-805* SD (YD)	371-05218-706* SD (YTL)	371-05218-806* SD (YD)	371-05218-707* SD (ATL)	371-05218-807* SD (YD)
1A	2	Comp. Contactor (L)	024-35467-000	024-35467-000	024-35470-000	024-35470-000	024-35470-000	024-35470-000
		Comp. Contactor (R)			024-35467-000	024-35467-000		
1E	4	Ground Lug (L)	025-34455-000	025-34455-000	025-34088-000	025-34088-000	025-34088-000	025-34088-000
		Ground Lug (R)			025-34455-000	025-34455-000		
1F	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
2A	1	Single Point NF Disconnect Switch	024-35977-000	024-35977-000	024-35977-000	024-35977-000	024-35977-000	024-35977-000
2B	1	Lug Kit	025-40825-000	025-40825-000	025-40825-000	025-40825-000	025-40826-000	025-40826-000
2C	1	Ground Lug	025-34086-000	025-34086-000	025-34086-000	025-34086-000	025-34089-000	025-34089-000
2L	1	Handle	024-31880-000	024-31880-000	024-31880-000	024-31880-000	024-31880-000	024-31880-000
2M	1	Shaft (8.86")	024-31879-000	024-31879-000	024-31879-000	024-31879-000	024-31879-000	024-31879-000
4A	4	Manual Starter	025-34488-000	025-34488-000	025-34488-000	025-34488-000	025-34488-000	025-34488-000
4B	4	Auxiliary Contact	024-31814-000	024-31814-000	024-31814-000	024-31814-000	024-31814-000	024-31814-000
6	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
7	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
18	1	Fuse Block	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000	025-35667-000
19	1	Fuse	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
23	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
28	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000
29	1	Control Transformer	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000	025-39400-000
30	2	Fuse, Time Delay	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000	025-37653-000
31	2	Power Relay	N/A	024-36701-000	N/A	024-36701-000	N/A	024-36701-000
32	2	Ground Lug	N/A	025-34455-000	N/A	025-34455-000	N/A	025-34455-000
33	2	Surge Suppressor	N/A	031-00808-000	N/A	031-00808-000	N/A	031-00808-000

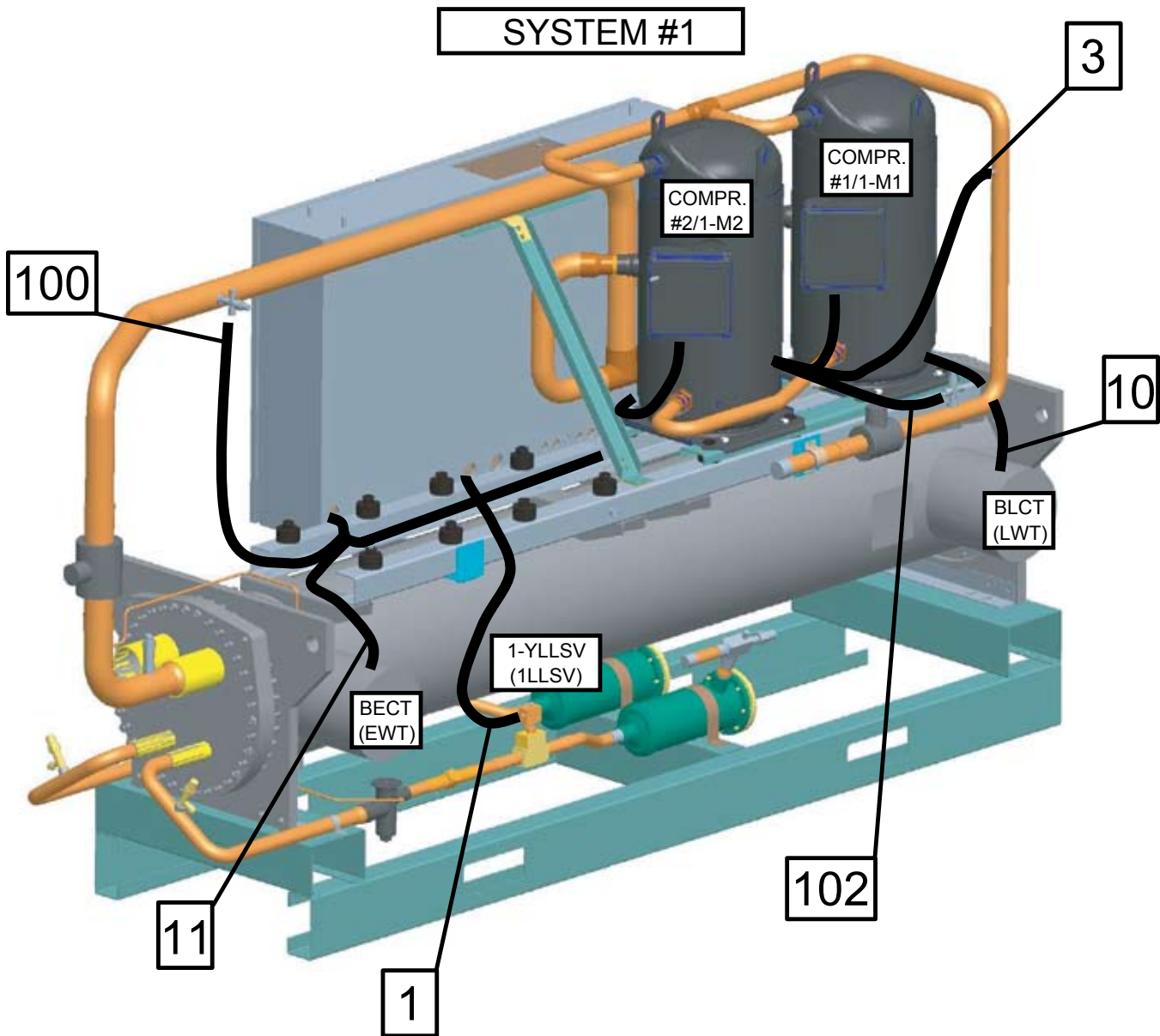
*** Service Note:**

Locate the **PANEL NUMBER** sticker on the enclosure sheet metal above the back panel in the Micro Panel section (Fig. #4), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

SD* SINGLE POINT NON-FUSED DISCONNECT SWITCH

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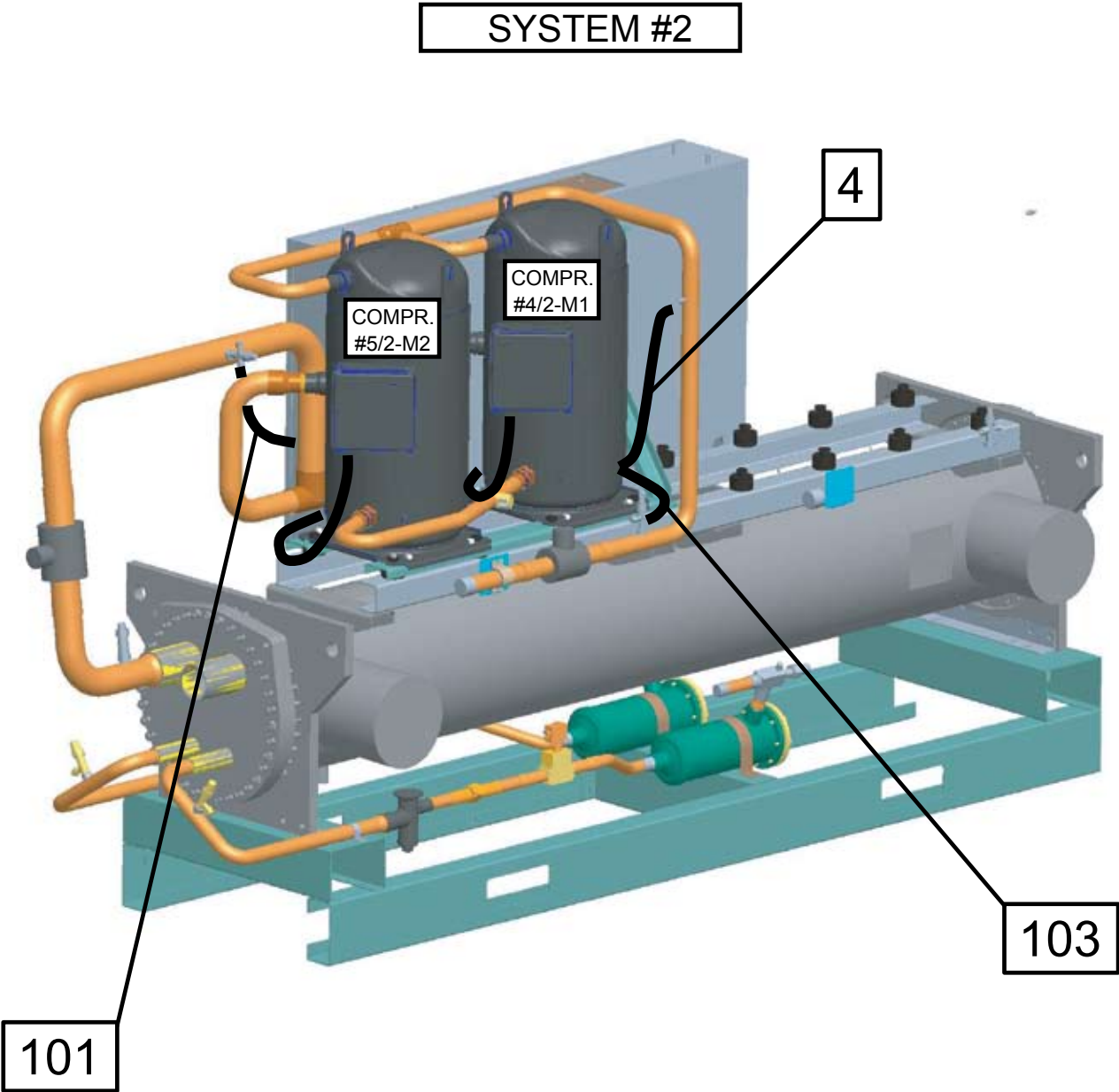
SENSOR HARNESSSES



67816-200d

FIG. 6A – SENSOR HARNESSSES (REF. TABLE 6, PAGE 47)

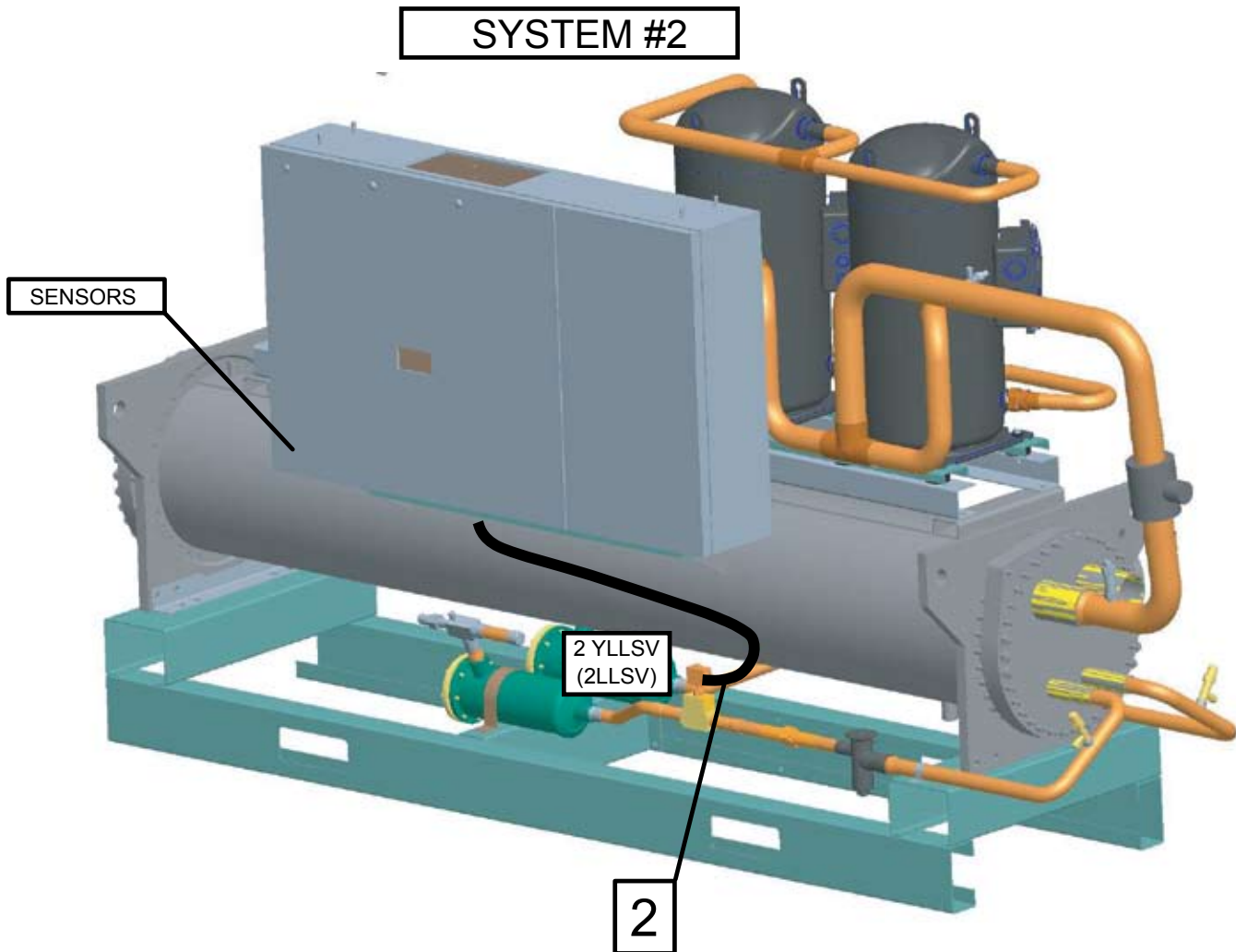
SENSOR HARNESES (CONT'D)



67816-200e

FIG. 6B – SENSOR HARNESES (REF. TABLE 6, PAGE 47)

SENSOR HARNESSSES (CONT'D)



67816-200f

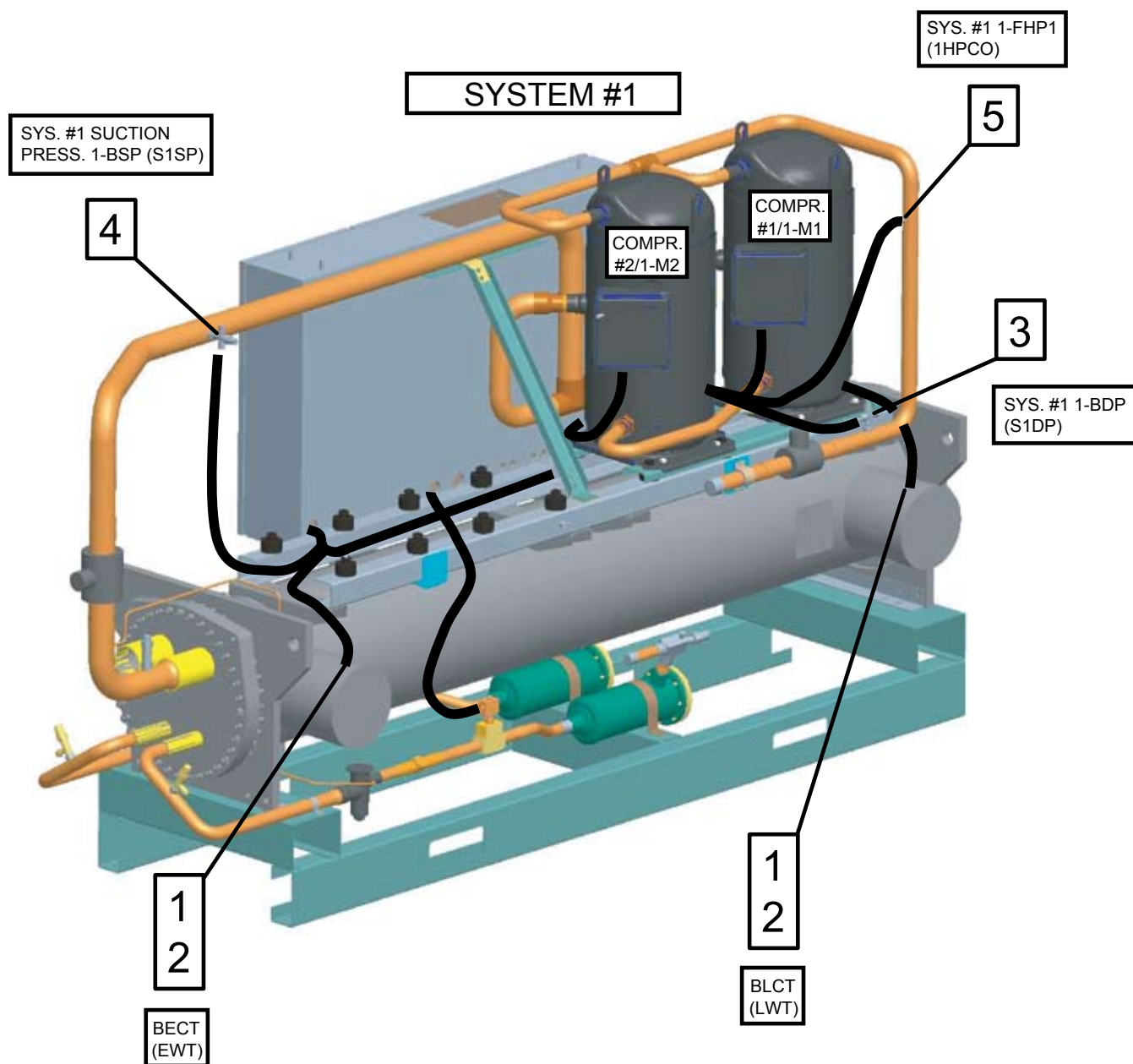
FIG. 6C – SENSOR HARNESSSES (REF. TABLE 6, PAGE 47)

SENSOR HARNESSES (CONT'D)

TABLE 6 – SENSOR HARNESS WIRING (SEE FIGS. 6A, 6B AND 6C, PAGES 44-46)

UNIT SENSOR WIRING							
Plug Detail	Plug and Pin P/N	Plug "P" No.	Plug Pin No.	Wire Color	Cable #	Function	Harness Assembly Part Number
	Plug = 025-21192-000 Pin = 025-19673-000	MICRO P6	7	Black	10	Leaving Water Temperature LWT	025-40273-009
			4	Red			
			1	Drain			
			8	Black	11	Entering Water Temperature EWT	025-40273-010
			5	Red			
			2	Drain			
	Plug = 025-28383-001 Pin = 025-28386-000	MICRO P7	5	Red	100	System #1 Suction Pressure	575-67811-300
			10	White			
			9	Black			
			1	Drain			
			6	Red	102	System #1 Discharge Pressure	575-67811-302
			11	White			
			7	Black			
			2	Drain			
	Plug = 025-28383-001 Pin = 025-28386-000	MICRO P9	5	Red	101	System #2 Suction Pressure	575-67811-301
			10	White			
			9	Black			
			1	Drain			
			6	Red	103	System #2 Discharge Pressure	575-67811-303
			11	White			
			7	Black			
			2	Drain			
DIN CONNECTOR	Plug = 025-37876-000	SOLENOID		Red	1	System #1 Liquid Line Solenoid Valve	575-67811-201
				Blue			
				Yellow/Green			
DIN CONNECTOR	Plug = 025-37876-000	SOLENOID		Red	2	System #2 Liquid Line Solenoid Valve	575-67811-202
				Blue			
				Yellow/Green			
N/A	N/A	N/A			3	System #1 High Pressure Cut Out	575-67811-203
N/A	N/A	N/A			4	System #2 High Pressure Cut Out	575-67811-204

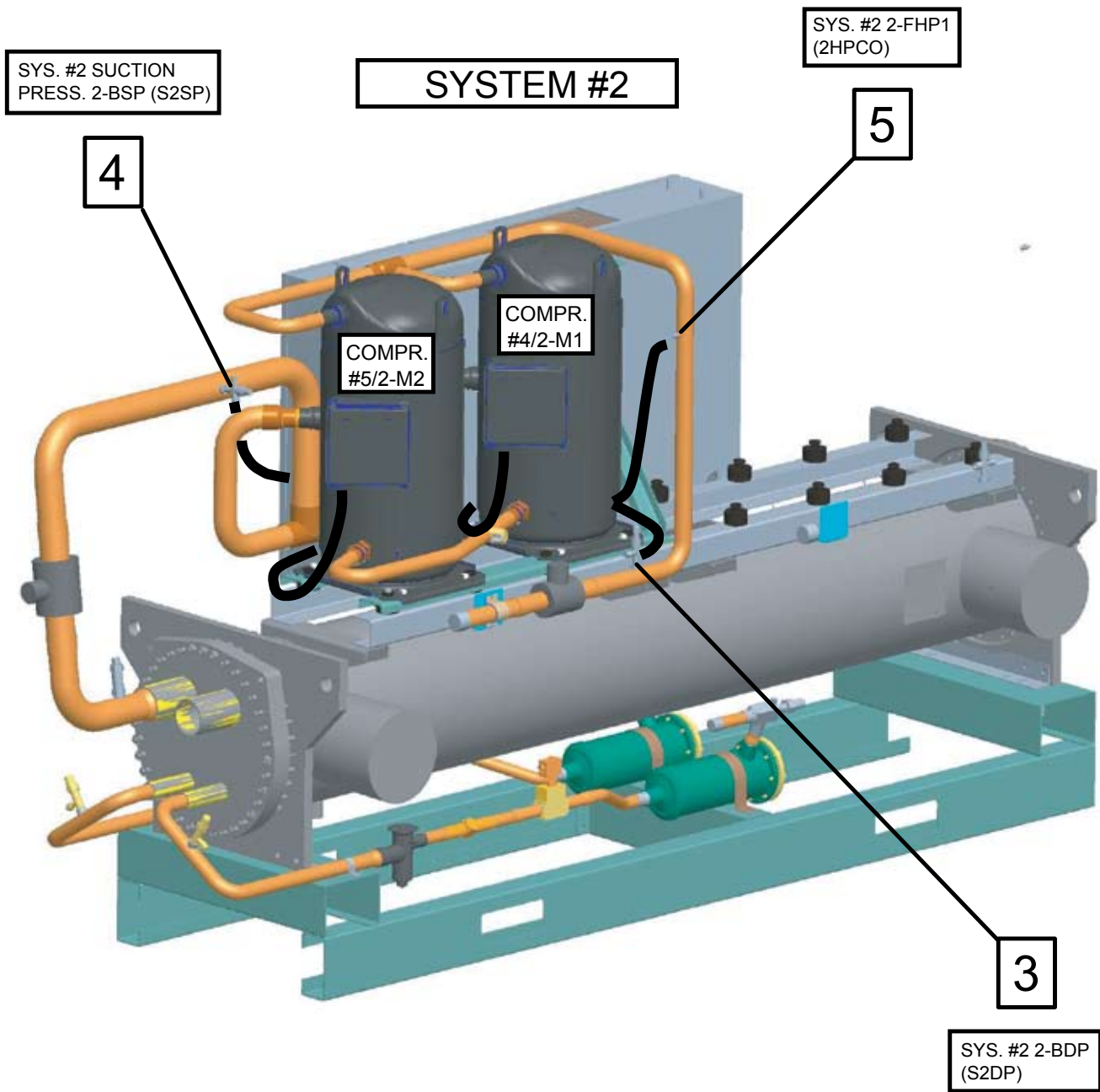
TRANSDUCERS, CUT-OUTS AND TEMP SENSORS



67816-200dd

FIG. 7A – TRANSDUCERS, CUT-OUTS AND TEMP SENSORS (REF. TABLE 7, PAGE 50)

TRANSDUCERS, CUT-OUTS AND TEMP SENSORS (CONT'D)



67816-200ee

FIG. 7B – TRANSDUCERS AND TEMP SENSORS (REF. TABLE 7, PAGE 50)

TRANSDUCERS, CUT-OUTS AND TEMP SENSORS (CONT'D)

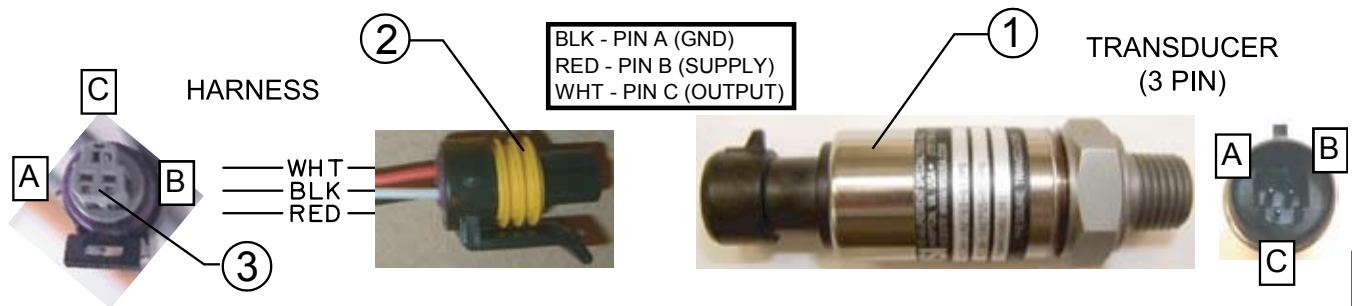
TABLE 7 – TRANSDUCERS, TEMP SENSORS AND HIGH PRESSURE CUT-OUT SWITCH
(SEE FIGS. 7A AND 7B, PAGES 48 AND 49)

Item #	Quantity	Description	Voltage Code	Part Number
1^S	1	Sensor, Water Temp. (EWT)	All	025-29964-000
	1	Sensor, Water Temp. (LWT)		
2	-	Compound, Heat Conductive	All	013-00898-000
3^S	1 per system	Transducer, Discharge Pressure (0-650psi)	All	025-41756-003
4^S	1 per system	Transducer, Suction Pressure (0-400psi)	All	025-41756-002
5	1 per system	High Pressure Cut Out Switch	All	025-41535-000

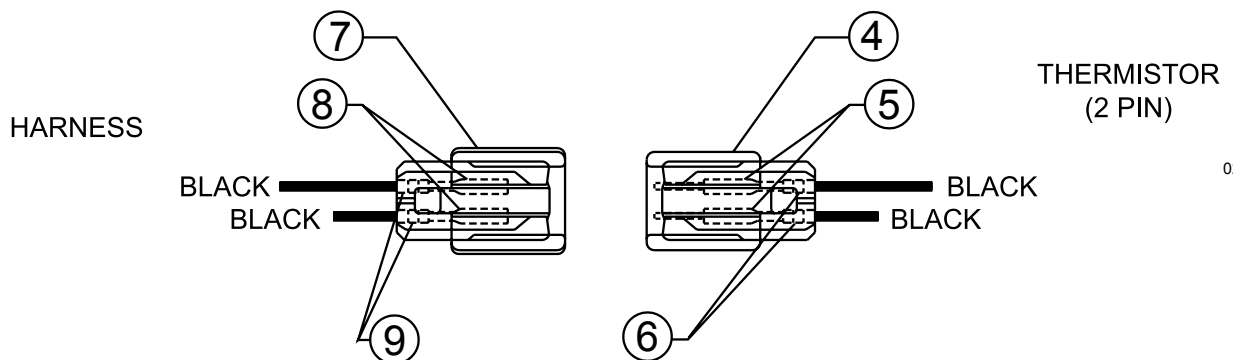
S = Recommended Spare Part

TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS

FIELD REPLACEMENT PART NUMBERS



Item No.	Location	Description	Pins	Part Number
1	Transducer	(0-200 PSIS)	3 Pin End	025-41756-001
		(0-400 PSIS)		025-41756-002
		(0-650 PSIS)		025-41756-003
		(0-150 PSIS)		025-41756-004
		(0-175 PSIS)		025-41756-005
2	Wire Harness	Plug Connector	3 Pin End	025-41761-000
3		Contact Pins		025-41812-000



Item No.	Location	Description	Pins	Part Number
4	Temperature Sensor	Plug Connector	2 Pin End	025-28948-000
5		Contact Pins		025-28949-000
6		Rubber Collar		025-28950-000
7	Wire Harness	Plug Connector	2 Pin End	025-28951-000
8		Contact Pins		025-28952-000
9		Rubber Collar		025-28950-000

FIG. 8 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS

VIBRATION ISOLATORS

TABLE 8 – VIBRATION ISOLATORS PART NUMBERS

MODEL NUMBER YCRL	PIN #9 =	QTY	ONE INCH DEFLECTION SPRING ISOLATOR	NEOPRENE ISOLATOR	TWO INCH DEFLECTION SEISMIC SPRING ISOLATOR
MODEL #			029-	029-	029-
0064	H	4	25334-004	25335-001	25336-010
0074	H			25335-002	
0084	H				
0096	H				
0118	H				
0126	H				
0156	H		25334-005	25336-011	
0177	S				
0198	S				
0200	H		25334-006	25336-012	
0230	H		25334-010	25336-011	
0260	H		25334-006	25336-012	
0300	H		25334-010	25336-011	
0345	H		25334-004	25336-012	
0385	H		25335-001	25336-010	
0445	H		25334-004	25335-002	25336-011
0530	H				
0610	H				

ONE INCH DEFLECTION SPRING ISOLATOR CROSS REFERENCE

YORK PART NUMBER	VENDOR PART NUMBER	COLOR
029-25334-004	CP-1D-1200	GRAY
029-25334-005	CP-1D-1350	WHITE
029-25334-006	CP-1D-1750	GRAY/RED
029-25334-010	C2P-1D-2400	GRAY

NEOPRENE ISOLATOR CROSS REFERENCE

YORK PART NUMBER	VENDOR PART NUMBER	COLOR
029-25335-001	RD-3	CHARCOAL
029-25335-002	RD-4	RED

TWO INCH DEFLECTION SEISMIC SPRING ISOLATOR CROSS REFERENCE

YORK PART NUMBER	VENDOR PART NUMBER	COLOR
029-25336-010	Y2RSI-2D-1200N	RED
029-25336-011	Y2RSI-2D-1690N	PINK
029-25336-012	Y2RSI-2D-2640N	PINK/GRAY

YCRL CHILLER OPTIONS

TABLE 9 – FIELD INSTALLED OPTIONS PART NUMBERS

MODEL NUMBER YCRL	PIN #9 =	STANDARD 150# FLOW SWITCH	HOT GAS BY-PASS KIT*	VICTAULIC FLANGE KIT	DIFFERENTIAL PRESSURE SWITCH	DUAL PRESSURE RELIEF VALVE KIT**
MODEL #		024-26116	375-	023-	025-30919	375-84145
0064	H	-000	89171-000	19049-000	-000	N/A
0074	H		89170-000	19046-000		
0084	H		89169-000			
0096	H		89164-000			
0118	H		89167-000			
0126	H		89166-000			
0156	H		89168-000			
0177	S		92619-000			
0198	S					
0200	H		N/A	19049-000		-010
0230	H			19046-000		
0260	H			19049-000		
0300	H			19046-000		
0345	H					
0385	H					
0445	H					
0530	H					
0610	H					

* Note: Hot Gas By-Pass Solenoid Valve Only:

System #1 = 025-41558-000

System #2 = 025-40962-000

** Note: 400psi Pressure Relief Valve Only: 025-11704-000

RECOMMENDED SPARE PARTS

York Model YCRL Style A Water Cooled Scroll Chillers
Suggested Spare Parts List for Critical Duty Applications

TABLE 10 – RECOMMENDED SPARE PARTS - YCRL0064-YCRL0610 CHILLERS

PAGE REF. & ITEM NUMBER	DESCRIPTION	MODEL NUMBER YCRL	PART NUMBER
Pages 13, 14 and 15, Item 1	Valve, Thermal Expansion	See Table 2	025-40900-004
			025-40900-005
			025-40900-006
			025-40900-007
			025-40900-008
Pages 13, 14 and 15, Item 3	Core, Dehydrator	All	026-37540-000
Page 18, Item OIL	Oil, Copeland Compressor - (6) 1 Gallon (Type 'V')	R-410A	011-00948-000
	Oil, Copeland Compressor - 5 Gallon (Type 'V')		011-00949-000
	Oil, Bitzer Compressor - 1 Quart (Type 'PVE')		011-00981-000
	Oil, Bitzer Compressor - 5 Gallon (Type 'PVE')		011-00982-000
Page 24, Item 3Q	Flash Card	60Hz	031-02755-001
		50Hz	031-02755-004
Page 50, Item 1	Sensor, Water Temp. (EWT)	All	025-29964-000
	Sensor, Water Temp. (LWT)		
Page 50, Item 3	Transducer, Discharge Pressure (0-650psi)	All	025-41756-003
Page 50, Item 4	Transducer, Suction Pressure (0-400psi)	All	025-41756-002

All parts should be purchased from your local
JOHNSON CONTROLS Sales and Service Center.

NOTES

