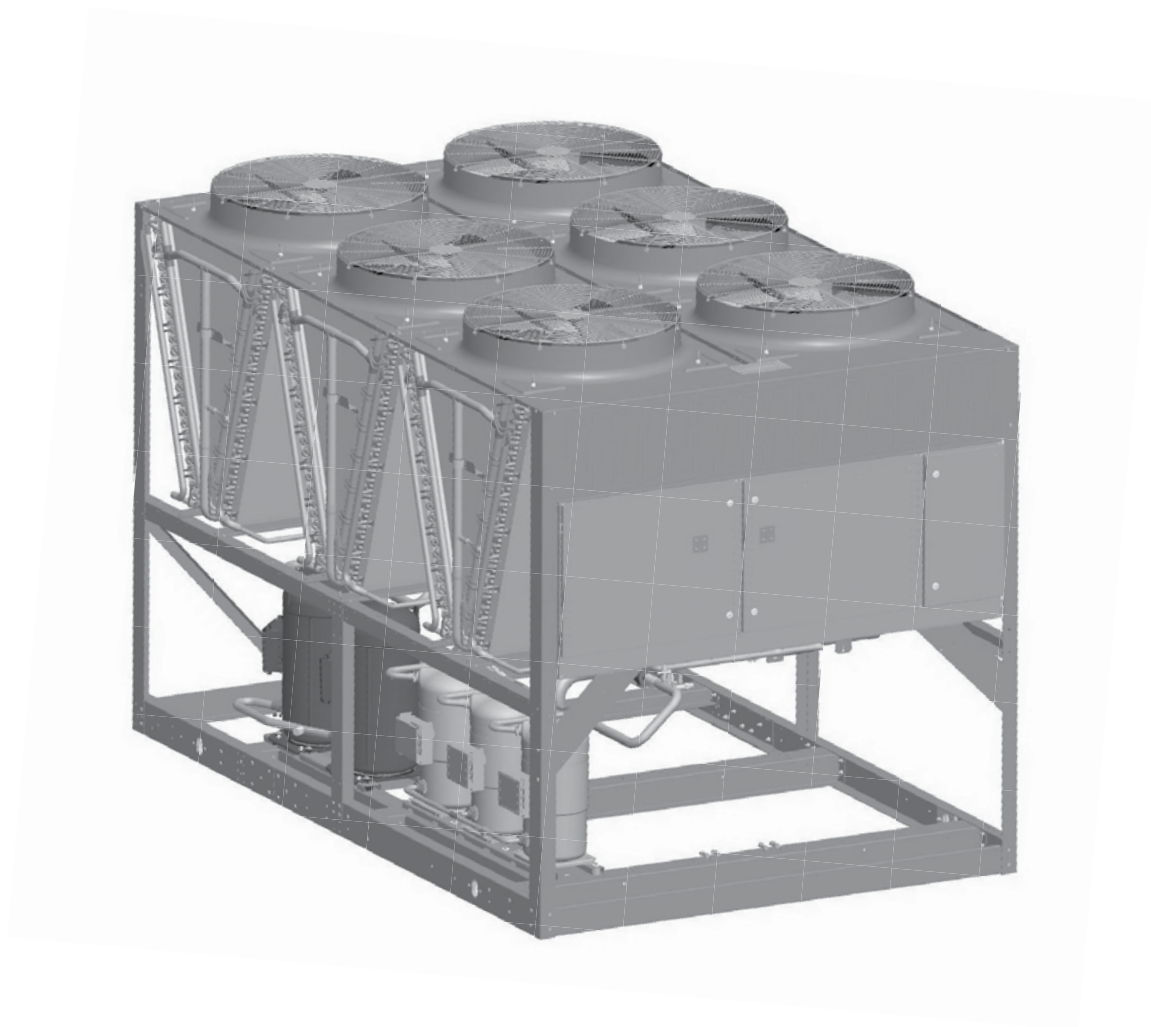


 BY JOHNSON CONTROLS	AIR-COOLED CONDENSING UNIT HERMETIC SCROLL	
RENEWAL PARTS	Supersedes: 150.73-RP2 (110)	Form 150.73-RP2 (114)

**MODELS YLUA248, 0278, 0298, 0308, 0338,
0408, 0468 AND YLUA0498
STYLE "B"**



**70 - 155 TON
246 - 545 KW
50HZ**



380-415-3-50
MODELS ONLY

Issue Date:
January 7, 2014



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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.

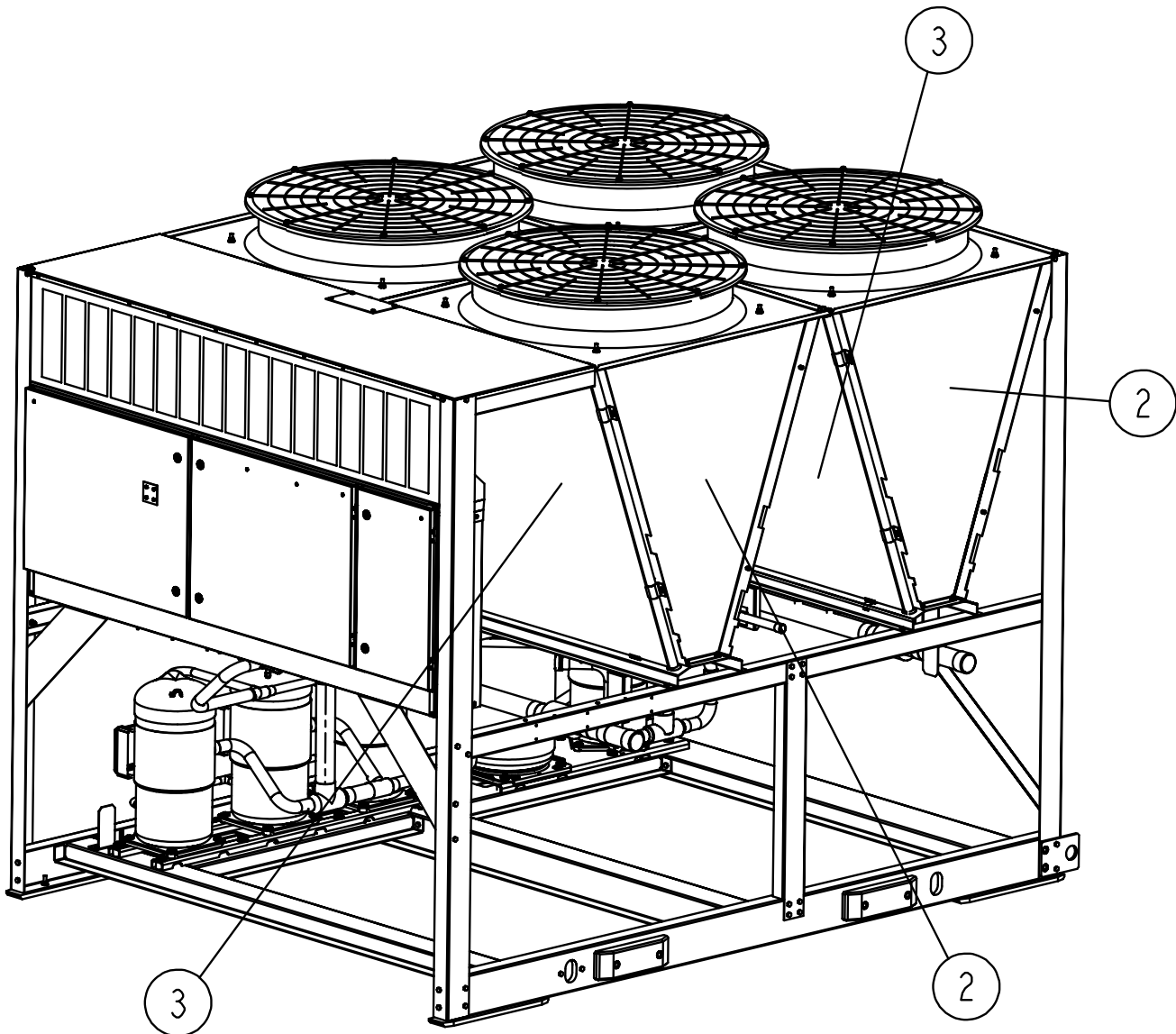
LOW VOLTAGE

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

CONDENSER COIL COMPONENTS

CHILLER MODEL YLUA – DESIGN SERIES "B" (TUBE AND FIN)

Condenser



83210-2a

FIG. 1 – CONDENSER COIL COMPONENTS DESIGN SERIES "B" - YLUA0248, YLUA0278 & YLUA0298 SHOWN (REF. TABLE 1, PAGE 5)

CONDENSER COIL COMPONENTS (CONT'D)

CHILLER MODEL YLUA – DESIGN SERIES "B" (TUBE AND FIN)

TABLE 1 – CONDENSER COIL COMPONENTS - DESIGN SERIES "B"
(SEE FIG. 1, PAGE 4)

ITEM NUMBER	DESCRIPTION	YLUA0248, YLUA0278 AND YLUA0298	YLUA0308 AND YLUA0408	YLUA0338	YLUA0468 AND YLUA0498
ALUMINUM FIN COILS - 'PIN 45 = X'					
2	Coil*	375-75763-101 (Qty 2)	375-75763-101 (Qty 3)	375-75763-101 (Qty 3)	375-75763-101 (Qty 4)
3		375-75763-102 (Qty 2)	375-75763-102 (Qty 3)	375-75763-102 (Qty 3)	375-75763-102 (Qty 4)
BLACK FIN COILS - 'PIN 45 = B'					
2	Coil*	375-75763-105 (Qty 2)	375-75763-105 (Qty 3)	375-75763-105 (Qty 3)	375-75763-105 (Qty 4)
3		375-75763-106 (Qty 2)	375-75763-106 (Qty 3)	375-75763-106 (Qty 3)	375-75763-106 (Qty 4)
PHENOLIC COILS - 'PIN 45 = P'					
2	Coil*	375-75763-107 (Qty 2)	375-75763-107 (Qty 3)	375-75763-107 (Qty 3)	375-75763-107 (Qty 4)
3		375-75763-108 (Qty 2)	375-75763-108 (Qty 3)	375-75763-108 (Qty 3)	375-75763-108 (Qty 4)
COPPER COILS - 'PIN 45 = C'					
2	Coil*	375-75763-103 (Qty 2)	375-75763-103 (Qty 3)	375-75763-103 (Qty 3)	375-75763-103 (Qty 4)
3		375-75763-104 (Qty 2)	375-75763-104 (Qty 3)	375-75763-104 (Qty 3)	375-75763-104 (Qty 4)

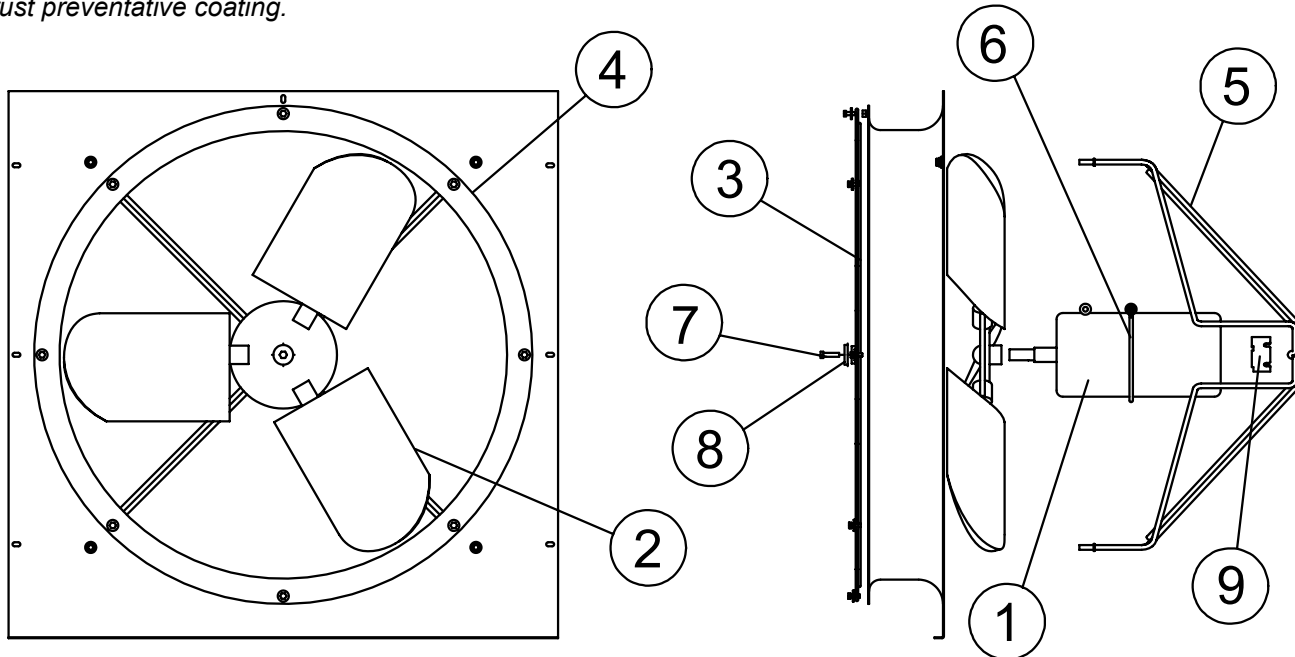
***Note:** Coils include coil and headers.

FAN COMPONENTS

Service Note:

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

71386-000



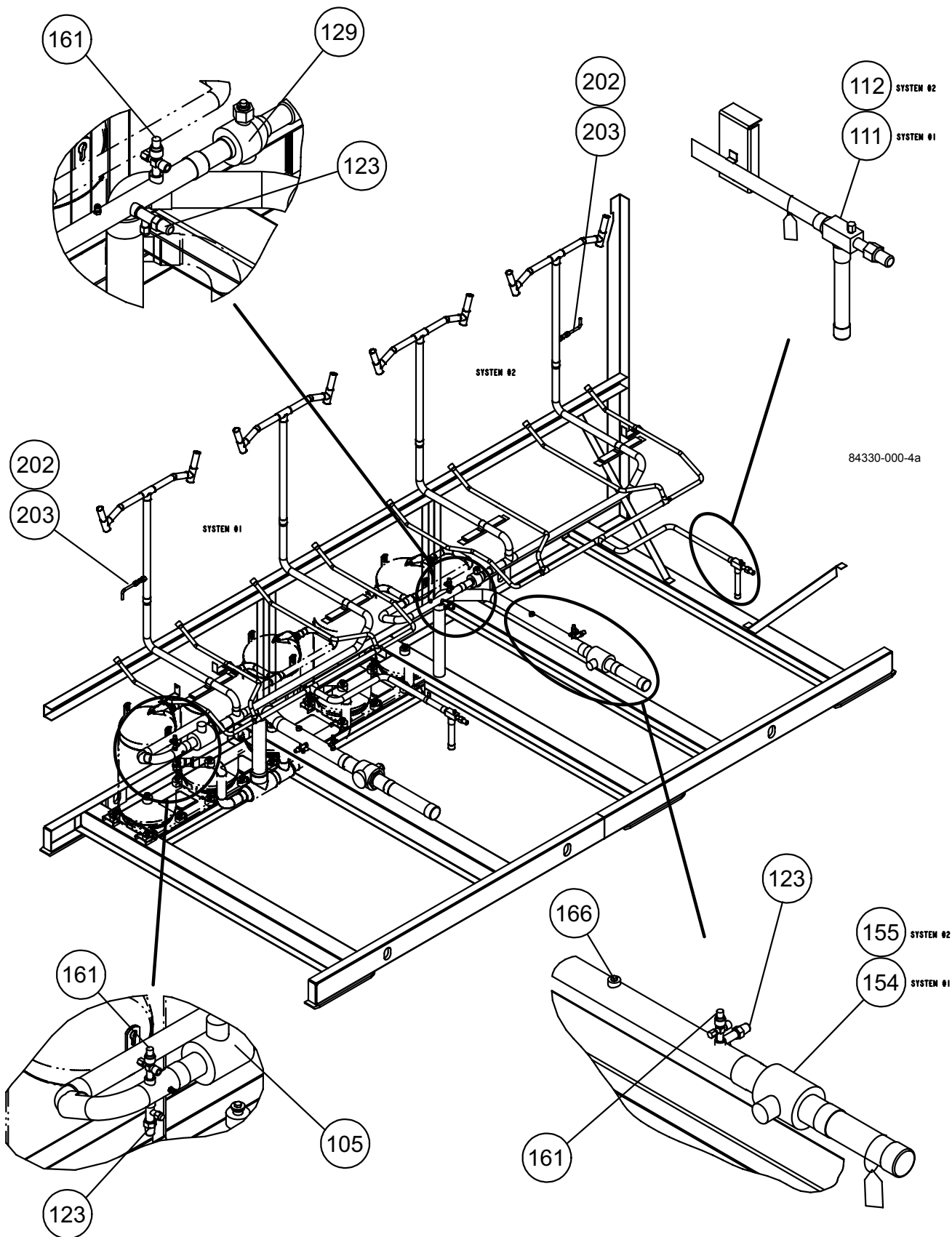
Service Note: Pin Location 52 in Model Number will be "X" for Standard Fan, or "L" for Low Noise Fan. See page 3.

FIG. 2 – FAN COMPONENTS
TABLE 2 – FAN COMPONENTS

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD 7/8", 1160 RPM	LOW NOISE 7/8", 850 RPM
1 ^s	Motor, Fan 2 HP (YLUA0248-YLUA0498)	-50	024-36873-107	024-34980-103
2 ^s	Blade	All	026-41594-000	026-41942-000
3	Guard	All	026-35605-000	
4	Orifice	All	026-45002-000	
5	Support	All	026-41937-000	026-45533-000
6	Support, Ring	All	026-36367-000	
7	Screw, Cap (M8x125)	All	021-18494-000	
8	Spacer	All	075-40484-000	
9	Hub, Square	All	026-41939-002	026-41939-005

^s = Recommended Spare Parts

REFRIGERANT PIPING COMPONENTS
CHILLER MODEL YLUA – DESIGN SERIES "A & B"



Piping

FIG. 3 – REFRIGERANT PIPING COMPONENTS - MODELS YLUA0468 & YLUA0498
SHOWN (REF. TABLE 3, PAGE 8)

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YLUA – DESIGN SERIES "A & B"

TABLE 3 – REFRIGERANT PIPING COMPONENTS (SEE FIG. 3, PAGE 7)

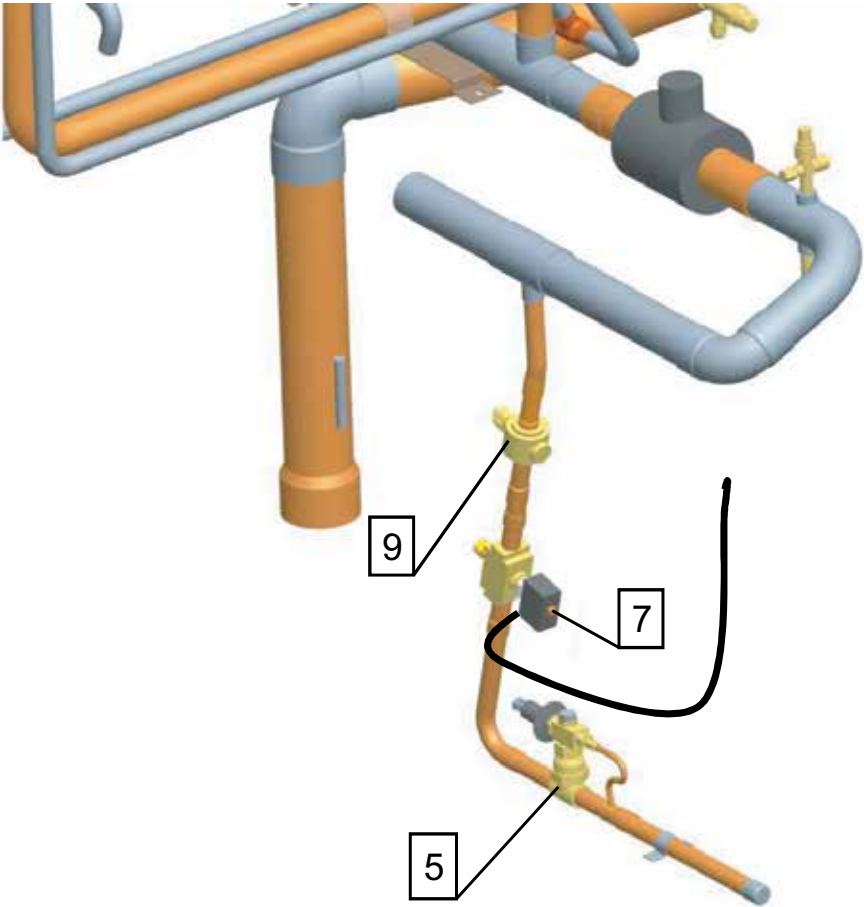
ITEM NO.	SYS.	DESCRIPTION	YLUA0248	YLUA0278	YLUA0298
105	1	Valve, Ball (Discharge)	022-08883-000	022-08883-000	022-08883-000
111	1	Valve, Liquid Stop	022-10022-000	022-10022-000	022-10022-000
112	2				
123	Both	Valve, Charging	022-09754-000	022-09754-000	022-09754-000
129	2	Valve, Ball (Discharge)	022-08883-000	022-08883-000	022-08883-000
154	1	Valve, Ball (Suction)	022-09753-000	022-09753-000	022-09753-000
155	2				
161	Both	Valve, Transducer	022-11735-000	022-11735-000	022-11735-000
202	All	Valve, Relief (650 psi)	022-10682-001	022-10682-001	022-10682-001
203	All	Tube, Relief	375-37975-000	375-37975-000	375-37975-000

ITEM NO.	SYS.	DESCRIPTION	YLUA0308	YLUA0338	YLUA0408
105	1	Valve, Ball (Discharge)	022-08883-000	022-08883-000	022-08883-000
111	1	Valve, Liquid Stop	022-10022-000	022-10022-000	022-10022-000
112	2				
123	Both	Valve, Charging	022-09754-000	022-09754-000	022-09754-000
129	2	Valve, Ball (Discharge)	022-08883-000	022-08883-000	022-08883-000
154	1	Valve, Ball (Suction)	022-09753-000	022-09753-000	022-09753-000
155	2				
161	Both	Valve, Transducer	022-11735-000	022-11735-000	022-11735-000
202	All	Valve, Relief (650 psi)	022-10682-001	022-10682-001	022-10682-001
203	All	Tube, Relief	375-37975-000	375-37975-000	375-37975-000

ITEM NO.	SYS.	DESCRIPTION	YLUA0468	YLUA00498
105	1	Valve, Ball (Discharge)	022-09752-000	022-09752-000
111	1	Valve, Liquid Stop	022-09778-000	022-09778-000
112	2		022-10022-000	022-10022-000
123	Both	Valve, Charging	022-09754-000	022-09754-000
129	2	Valve, Ball (Discharge)	022-08883-000	022-08883-000
154	1	Valve, Ball (Suction)	022-11325-000	022-11325-000
155	2		022-09753-000	022-09753-000
161	Both	Valve, Transducer	022-11735-000	022-11735-000
202	All	Valve, Relief (650 psi)	022-10682-001	022-10682-001
203	All	Tube, Relief	375-37975-000	375-37975-000

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YLUA – DESIGN SERIES "A & B"



Piping

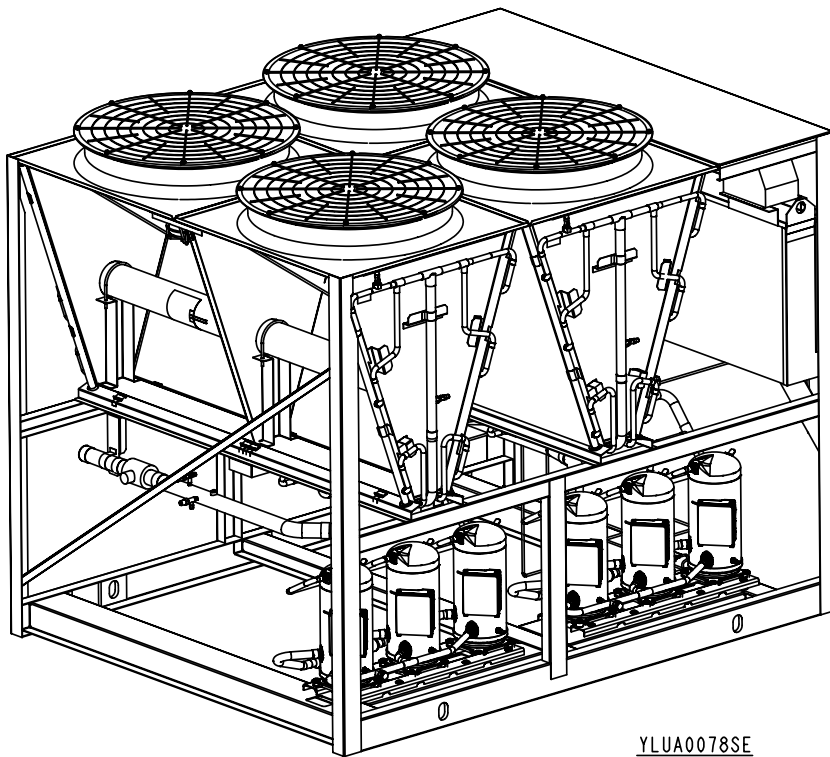
83290-000e

FIG. 3A – HOT GAS BY-PASS COMPONENTS

TABLE 3A – HOT GAS BY-PASS COMPONENTS

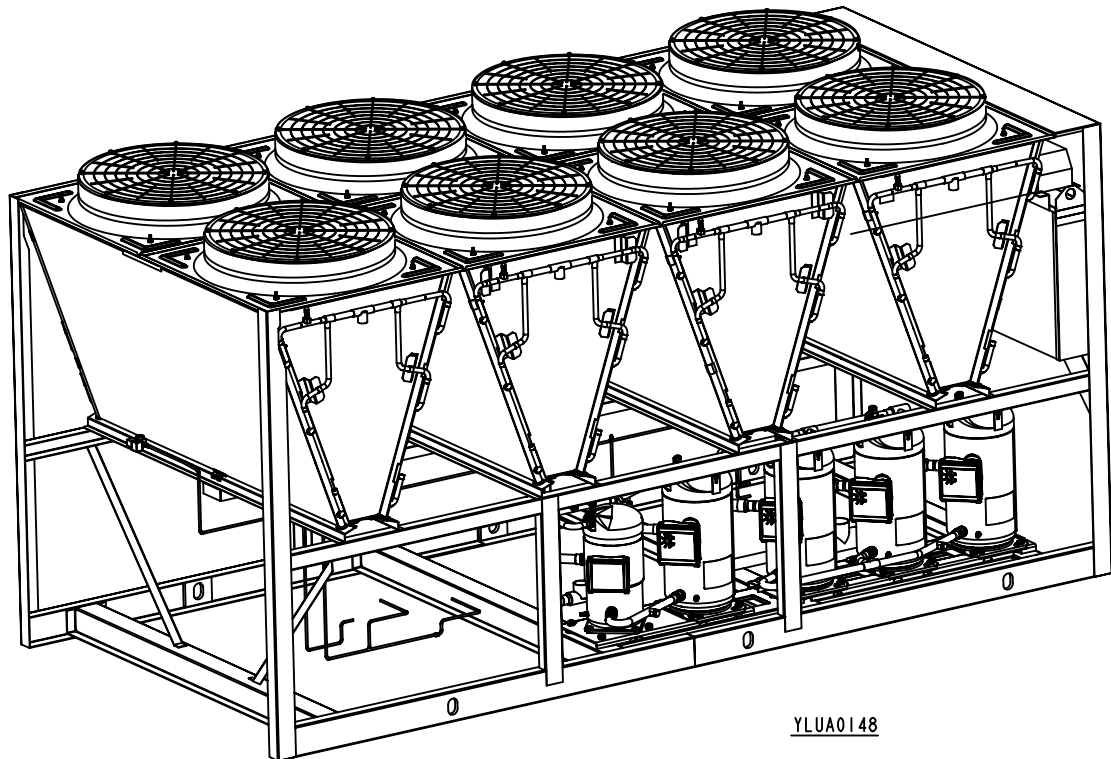
ITEM NUMBER	MODEL NUMBERS	QTY	DESCRIPTION	PART NUMBER
5	ALL	1	Valve, Hot Gas	025-40962-000
7		1	Valve, Solenoid	025-41558-000
9		1	Valve, Ball	022-11742-000

COMPRESSOR



83210-000-5

Compressor



83212-000-6

FIG. 4 – COMPRESSOR LAYOUTS (REF. TABLE 4, PAGE 11)

COMPRESSOR (CONT'D)

TABLE 4 – COMPRESSOR PART NUMBERS - R-410A (SEE FIG. 4, PAGE 10)

MODEL	VOLTAGE CODE	SYSTEM #1 COMPRESSOR			SYSTEM #2 COMPRESSOR					
		PART #	MODEL #	QTY	PART #	MODEL #	QTY	PART #	MODEL #	QTY
YLUA0248	-50	015-04055-104	ZP154KCE	3	015-04055-104	ZP154KCE	3	N/A	N/A	N/A
YLUA0278	-50	015-04045-104	ZP180KCE	3	015-04055-104	ZP154KCE	3	N/A	N/A	N/A
YLUA0298	-50	015-04045-104	ZP180KCE	3	015-04052-104	ZP385KCE	1	015-04045-104	ZP180KCE	1
YLUA0308	-50	015-04052-104	ZP385KCE	2	015-04045-104	ZP180KCE	2	N/A	N/A	N/A
YLUA0338	-50	015-04045-104	ZP180KCE	3	015-04052-104	ZP385KCE	2	N/A	N/A	N/A
YLUA0408	-50	015-04052-104	ZP385KCE	2	015-04052-104	ZP385KCE	2	N/A	N/A	N/A
YLUA0468	-50	015-04052-104	ZP385KCE	3	015-04052-104	ZP385KCE	1	015-04045-104	ZP180KCE	1
YLUA0498	-50	015-04052-104	ZP385KCE	3	015-04052-104	ZP385KCE	2	N/A	N/A	N/A

COMPRESSOR (CONT'D)

TABLE 4A – RECOMMENDED COMPRESSOR OIL TYPE

ITEM	REF.	DESCRIPTION	(6) 1 GALLON	5 GALLON
OIL^s	R-410A	Oil, Compressor (Type 'V')	011-00948-000	011-00949-000

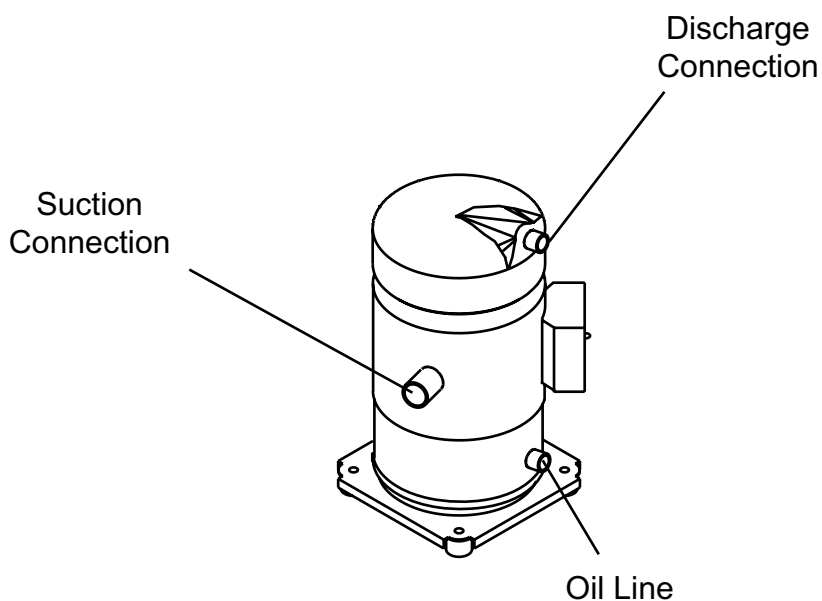
^s = Recommended Spare Parts

TABLE 4B – COMPRESSOR HEATER AND SOUND BLANKET PART NUMBERS

COMPRESSOR PART NUMBER	HEATER PART NUMBER	QUANTITY PER COMPRESSOR	SOUND BLANKET PART NUMBER	QUANTITY PER COMPRESSOR
015-04045-xxx	025-37888-000	1	010-06507-002	1
015-04055-xxx	025-40351-000	1	010-06507-007	1
015-04052-xxx	025-37853-000	1	010-06507-000	1

TABLE 4C – COMPRESSOR COMPONENTS

ITEM	REF. NO.	DESCRIPTION	YORK NO.
A	071-0520-05	Module Protector	025-38995-000
B	005-0892-00	Cover, T-Box	025-38996-000



50459-1a

FIG. 4A – COMPRESSOR (REF. TABLE 4)

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Compressor

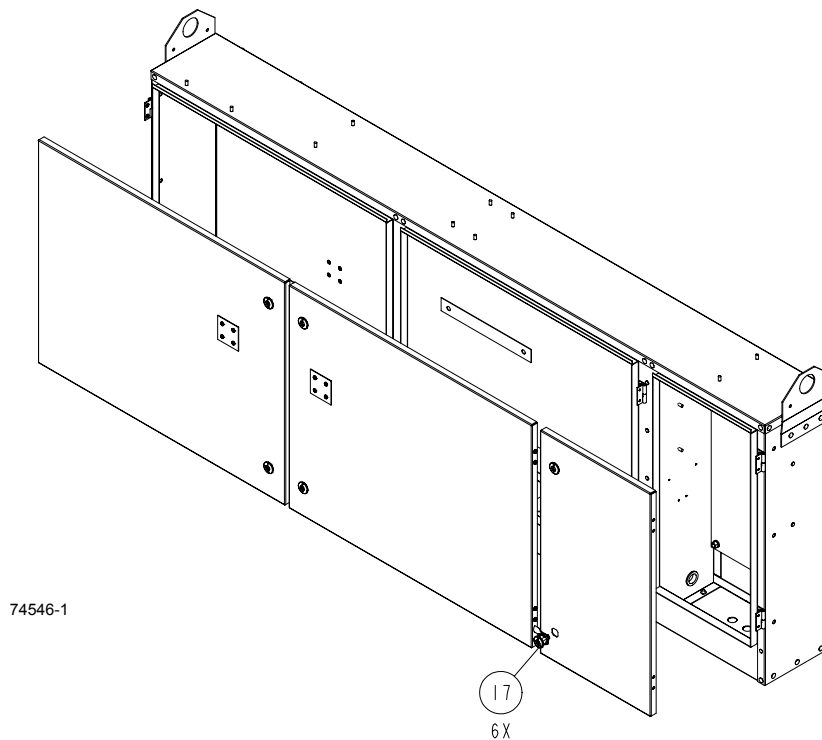
CONTROL PANEL AND POWER PANEL CONFIGURATIONS

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. 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
S	X	Single Point Supply Terminal Block
S	D	Single Point Supply Non-Fused Disconnect Switch
B	X	Single Point Supply Circuit Breaker



ITEM NUMBER	DESCRIPTION	YORK NO.
17	Door Lock	021-32078-000
18	Key (Not Shown)	021-32231-000

FIG. 5 – CONTROL AND POWER PANEL DOOR LOCK COMPONENTS

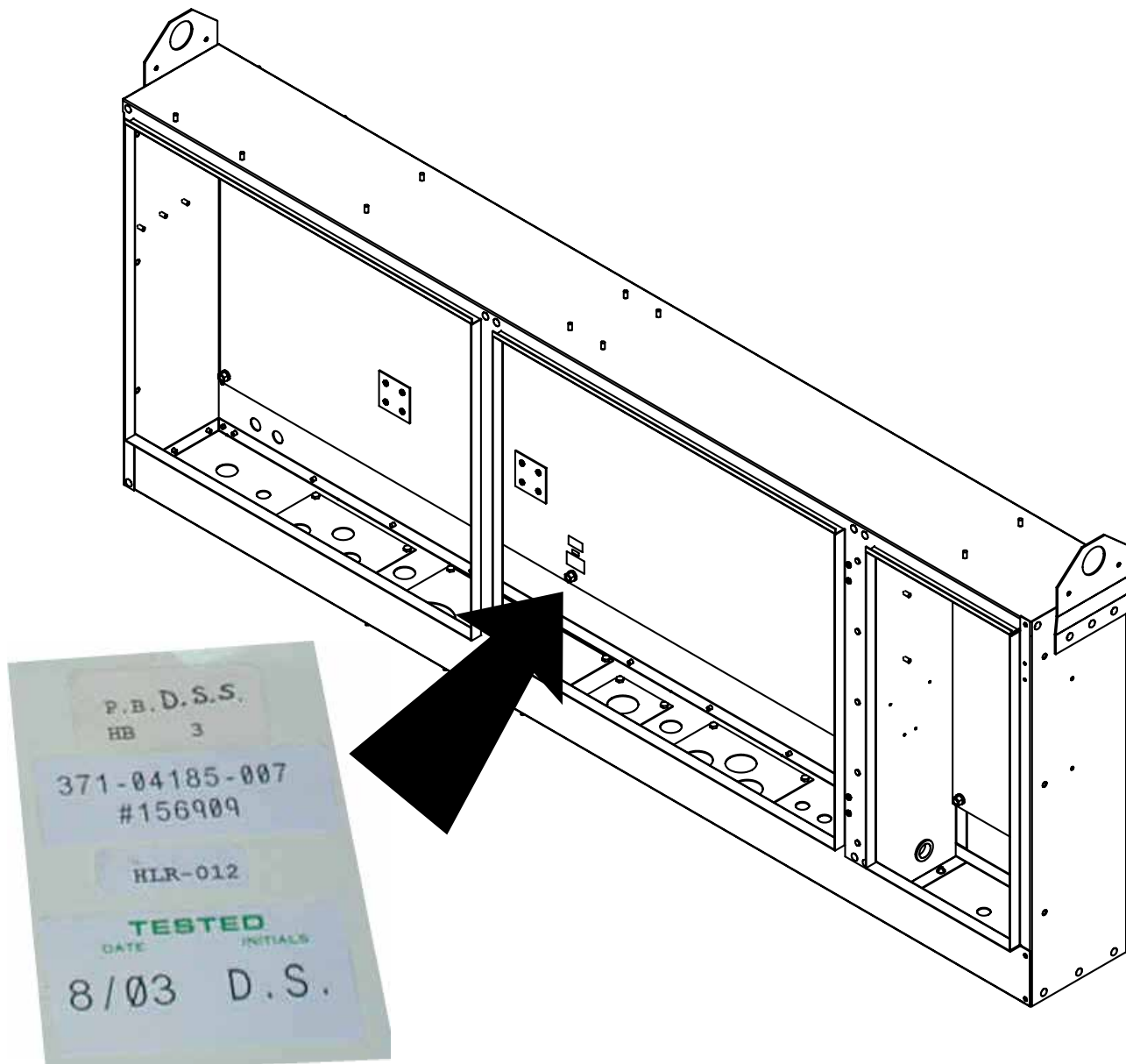
CONTROL PANEL AND POWER PANEL IDENTIFIERS

TABLE 5 – 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 FIG. 6, PAGE 16 , THEN REFER TO THE 'CONTROL AND POWER PANEL COMPONENTS' INFORMATION (TABLE 6, PAGES 18-24, SEE ALSO FIG. 6A, PAGE 17)

MODEL	VOLTAGE CODE	SINGLE POINT TERMINAL BLOCK (SX)	SINGLE POINT NON-FUSED DISCONNECT SWITCH (SD)	SINGLE POINT CIRCUIT BREAKER (BX)	SINGLE POINT NON-FUSED DISCONNECT SWITCH w/ IND. SYS. CIRCUIT BREAKERS (DB)
YLUA0248	50	371-05245-104	371-05245-204	371-05245-304	371-05245-404
YLUA0278	50	371-05245-110	371-05245-210	371-05245-310	371-05245-410
YLUA0298	50	371-05246-104	371-05246-204	371-05246-304	371-05246-404
YLUA0308	50	371-05244-104	371-05244-204	371-05244-304	371-05244-404
YLUA0338	50	371-05246-110	371-05246-210	371-05246-310	371-05246-410
YLUA0408	50	371-05244-110	371-05244-210	371-05244-310	371-05244-410
YLUA0468	50	371-05246-116	371-05246-216	371-05246-316	371-05246-416
YLUA0498	50	371-05246-122	371-05246-222	371-05246-322	371-05246-422

POWER PANEL COMPONENTS



74546-3

FIG. 6 – PANEL PART NUMBER STICKER - (REF. TABLE 6, PAGES 18-24)

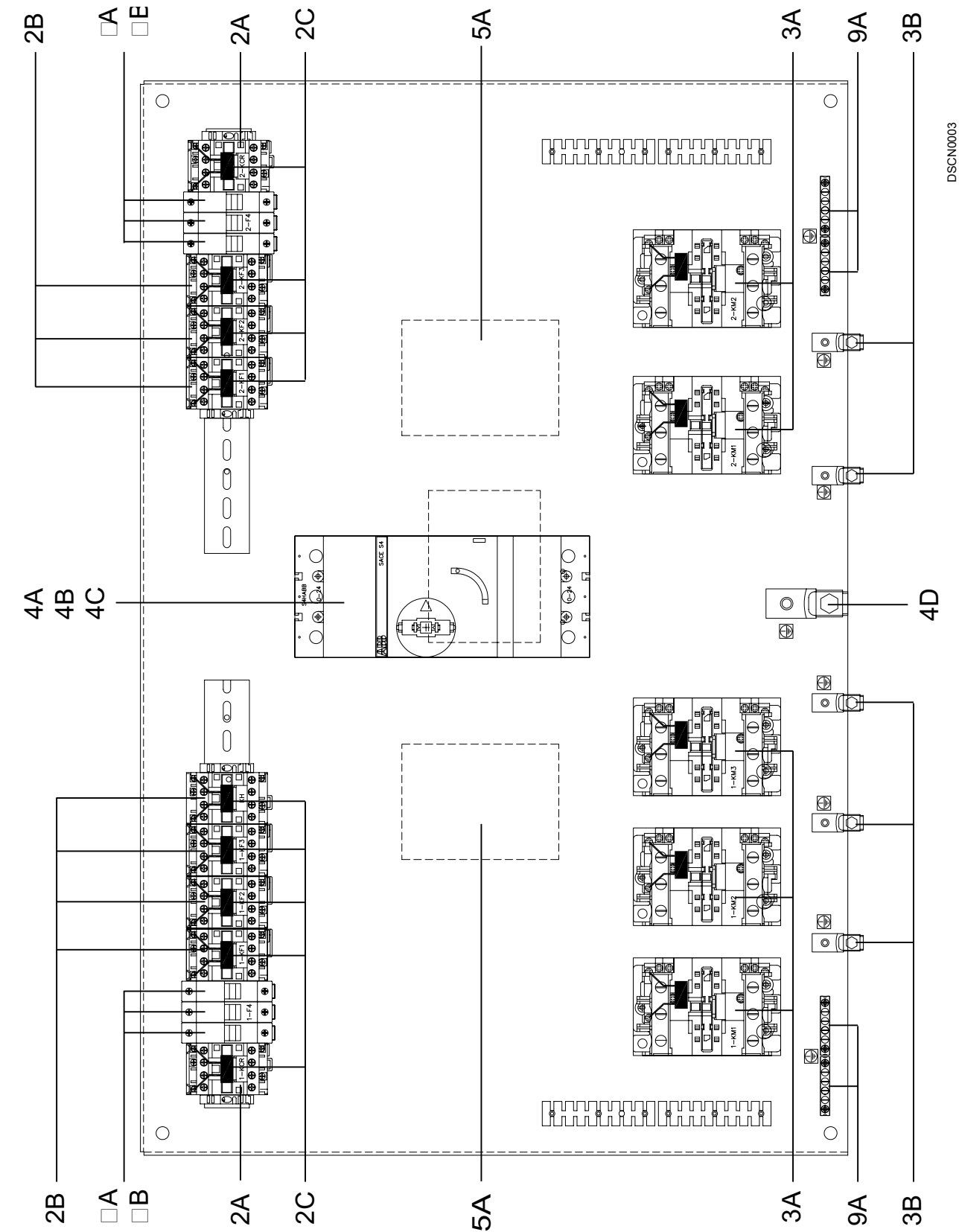
Service Note:

Locate the PANEL NUMBER sticker on the bottom, center of the power panel, see Figure 6, then refer to the appropriate parts list on Table 6 for the panel components.

Service Note:

Lug Kits for Circuit Breakers or Non-Fused Disconnect Switches - See LUG KIT TABLE on Page 25.

POWER PANEL COMPONENTS (CONT'D)



DSCN0003

FIG. 6A – PANEL PART NUMBER STICKER - (REF. TABLE 6, PAGES 18-24)

Control & Power Panel

TABLE 6 – POWER PANEL COMPONENTS - YLUA0248 (SEE FIG. 6A, PAGE 17)

Item No.	Qty.	Description	Single Point Terminal Block (SX)	Single Point Non-Fused Disconnect Switch (SD)	Single Point Circuit Breaker (BX)	Single Point Non-Fused Disconnect Switch w/ Ind. System Circuit Breakers (DB)
2A ^s	3	Fan Control Relay	371-05245-10x 024-35526-000	371-05245-20x 024-35526-000	371-05245-30x 024-35526-000	371-05245-40x 024-35526-000
2B ^s	4	Fan Contactor (-17, -28 & -40)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
		Fan Contactor (-46 & -58)	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**
2C	13	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000
3A	6	Compressor Contactor (-17)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	2	Compressor Contactor (-28)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	4		024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**
	6	Compressor Contactor (-40, -46 & -58)	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
3B	6	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000
4A	1	Terminal Block	025-39410-000	N/A	N/A	N/A
	1	Circuit Breaker (-17 & -28)	N/A	N/A	025-34424-000	N/A
		Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34419-000	N/A
	1	Non-Fused Disc. Sw. (-17 & -28)	N/A	024-30965-000	N/A	024-30965-000
4B	3	Non-Fused Disc. Sw. (-40, -46 & -58)	N/A	024-30963-000	N/A	024-30963-000
		Safety Cover (use w/ TB)	025-39393-000	N/A	N/A	N/A
4C	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
4D	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
5A	1	Ind. Sys. Circuit Breaker (Sys. 1)	N/A	N/A	N/A	025-34419-000
	1	Ind. Sys. Circuit Breaker (Sys. 2)	N/A	N/A	N/A	024-31842-000
8A	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse	See Fuse Table on Page 25			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

s Recommended Spare Part

****Service Note:**

Make a visual inspection of the contactors in order to select the correct replacement part.

024-35441-000 (9A) R11-D0910-G7
 024-35444-000 (12A) R11-D1210-G7
 024-35447-000 (18A) R11-D1810-G7
 024-35451-000 (25A) R11-D2510-G7
 024-35462-000 (50A) R11-D5011-G7
 024-35467-000 (65A) R11-D6511-G7
 024-35470-000 (80A) R11-D8011-G7
 024-35473-000 (95A) R11-D9511-G7
 024-34294-000 (150A) TE-LC1D150-F7

***Service Note:**

Locate the PANEL PART NUMBER sticker on the bottom, center of the power panel, see Figure 6, Page 16, then refer to the appropriate parts list for that number.

POWER PANEL COMPONENTS (CONT'D)

TABLE 6 – POWER PANEL COMPONENTS - YLUA0278 (SEE FIG. 6A, PAGE 17)

Item No.	Qty.	Description	Single Point Terminal Block (SX)	Single Point Non-Fused Disconnect Switch (SD)	Single Point Circuit Breaker (BX)	Single Point Non-Fused Disconnect Switch w/ Ind. System Circuit Breakers (DB)
2A^S	3	Fan Control Relay	371-05245-10x 024-35526-000	371-05245-20x 024-35526-000	371-05245-30x 024-35526-000	371-05245-40x 024-35526-000
2B^S	4	Fan Contactor (-17, -28 & -40)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
		Fan Contactor (-46 & -58)	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**
2C	13	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000
3A	6	Compressor Contactor (-17)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	4	Compressor Contactor (-28)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	2		024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**
	3	Compressor Contactor (-40)	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**
	3		024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
	6	Compressor Contactor (-46 & -58)	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
3B	6	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000
4A	1	Terminal Block	025-39410-000	N/A	N/A	N/A
	1	Circuit Breaker (-17 & -28)	N/A	N/A	025-34424-000	N/A
		Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34419-000	N/A
	1	Non-Fused Disc. Sw. (-17 & -28)	N/A	024-30965-000	N/A	024-30965-000
		Non-Fused Disc. Sw. (-40)	N/A	024-30964-000	N/A	024-30964-000
		Non-Fused Disc. Sw. (-46 & -58)	N/A	024-30963-000	N/A	024-30963-000
4B	3	Safety Cover (use w/ TB)	025-39393-000	N/A	N/A	N/A
4C	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
4D	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
5A	1	Ind. Sys. Circuit Breaker (Sys. 1)	N/A	N/A	N/A	025-34419-000
	1	Ind. Sys. Circuit Breaker (Sys. 2)	N/A	N/A	N/A	024-31842-000
8A	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse	See Fuse Table on Page 25			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

***Service Note:**

Locate the PANEL PART NUMBER sticker on the bottom, center of the power panel, see Figure 6, Page 16, then refer to the appropriate parts list for that number.

****Service Note:**

Make a visual inspection of the contactors in order to select the correct replacement part.

024-35441-000 (9A)	R11-D0910-G7	024-35467-000 (65A)	R11-D6511-G7
024-35444-000 (12A)	R11-D1210-G7	024-35470-000 (80A)	R11-D8011-G7
024-35447-000 (18A)	R11-D1810-G7	024-35473-000 (95A)	R11-D9511-G7
024-35451-000 (25A)	R11-D2510-G7	024-34294-000 (150A)	TE-LC1D150-F7
024-35462-000 (50A)	R11-D5011-G7		

POWER PANEL COMPONENTS (CONT'D)

TABLE 6 – POWER PANEL COMPONENTS - YLUA0298 (SEE FIG. 6A, PAGE 17)

Item No.	Qty.	Description	Single Point Terminal Block (SX)	Single Point Non-Fused Disconnect Switch (SD)	Single Point Circuit Breaker (BX)	Single Point Non-Fused Disconnect Switch w/ Ind. System Circuit Breakers (DB)
2A^S	3	Fan Control Relay	371-05246-10x	371-05246-20x	371-05246-30x	371-05246-40x
			024-35526-000	024-35526-000	024-35526-000	024-35526-000
2B^S	4	Fan Contactor (-17, -28 & -40)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
			024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**
2C	14	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000
3A	4	Compressor Contactor (-17)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	1		024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**
	4	Compressor Contactor (-28)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	1		024-35473-000 (95A)**	024-35473-000 (95A)**	024-35467-000 (65A)**	024-35467-000 (65A)**
	4	Compressor Contactor (-40)	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**
	1		024-35473-000 (95A)**	024-35473-000 (95A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
	4	Compressor Contactor (-46 & -58)	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
	1		024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
3B	5	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000
4A	1	Terminal Block (-17 & -28)	025-32536-000	N/A	N/A	N/A
		Terminal Block (-40, -46 & -58)	025-34910-000	N/A	N/A	N/A
	1	Circuit Breaker (-17 & -28)	N/A	N/A	025-34424-000	N/A
		Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34419-000	N/A
	1	Non-Fused Disc. Sw. (-17 & -28)	N/A	024-30965-000	N/A	024-30965-000
4B	1	Non-Fused Disc. Sw. (-40)	N/A	024-30964-000	N/A	024-30964-000
		Non-Fused Disc. Sw. (-46 & -58)	N/A	024-30963-000	N/A	024-30963-000
	3	Safety Cover (use w/ TB -17 & -28)	025-39397-000	N/A	N/A	N/A
4C	1	Safety Cover (use w/ TB -40, -46 & -58)	025-39393-000			
4D	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
5A	1	Ind. Sys. Circuit Breaker (Sys. 1)	N/A	025-34089-000	025-34089-000	025-34089-000
	1	Ind. Sys. Circuit Breaker (Sys. 2)	N/A	N/A	N/A	025-34419-000
8A	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse		See Fuse Table on Page 25		
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

****Service Note:**

Locate the PANEL PART NUMBER sticker on the bottom, center of the power panel, see Figure 6, Page 16, then refer to the appropriate parts list for that number.

****Service Note:**

Make a visual inspection of the contactors in order to select the correct replacement part.

024-35441-000 (9A)	R11-D0910-G7	024-35467-000 (65A)	R11-D6511-G7
024-35444-000 (12A)	R11-D1210-G7	024-35470-000 (80A)	R11-D8011-G7
024-35447-000 (18A)	R11-D1810-G7	024-35473-000 (95A)	R11-D9511-G7
024-35451-000 (25A)	R11-D2510-G7	024-34294-000 (150A)	TE-LC1D150-F7
024-35462-000 (50A)	R11-D5011-G7		

POWER PANEL COMPONENTS (CONT'D)

TABLE 6 – POWER PANEL COMPONENTS - YLUA0308 (SEE FIG. 6A, PAGE 17)

Item No.	Qty.	Description	Single Point Terminal Block (SX)	Single Point Non-Fused Disconnect Switch (SD)	Single Point Circuit Breaker (BX)	Single Point Non-Fused Disconnect Switch w/ Ind. System Circuit Breakers (DB)
2A^S	3	Fan Control Relay	371-05244-10x	371-05244-20x	371-05244-30x	371-05244-40x
2B^S	6	Fan Contactor (-17, -28 & -40)	024-35526-000	024-35526-000	024-35526-000	024-35526-000
		Fan Contactor (-46 & -58)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
2C	13	Surge Suppressor	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**
			031-00808-000	031-00808-000	031-00808-000	031-00808-000
3A	2	Compressor Contactor (-17 & -28)	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**
	2		024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	2	Compressor Contactor (-40)	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**
	2		024-35473-000 (D9511)**	024-35473-000 (95A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
	2	Compressor Contactor (-46 & -58)	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
	2		024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
3B	4	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000
4A	1	Terminal Block (-17 & -28)	025-32536-000	N/A	N/A	N/A
	1	Terminal Block (-40, -46 & -58)	025-34910-000	N/A	N/A	N/A
		Circuit Breaker (-17 & -28)	N/A	N/A	025-34425-000	N/A
	1	Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34424-000	N/A
		Non-Fused Disc. Sw. (-17 & -28)	N/A	024-30965-000	N/A	024-30965-000
4B	3	Non-Fused Disc. Sw. (-40)	N/A	024-30964-000	N/A	024-30964-000
		Non-Fused Disc. Sw. (-46 & -58)	N/A	024-30963-000	N/A	024-30963-000
		Safety Cover (use w/ TB -17 & -28)	025-39397-000	N/A	N/A	N/A
		Safety Cover (use w/ TB -40, -46 & -58)	025-39393-000	N/A	N/A	N/A
4C	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
4D	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
5A	1	Ind. Sys. Circuit Breaker (Sys. 1)	N/A	N/A	N/A	025-34419-000
	1	Ind. Sys. Circuit Breaker (Sys. 2)	N/A	N/A	N/A	025-34419-000
8A	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse	See Fuse Table on Page 25			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

***Service Note:**

Locate the PANEL PART NUMBER sticker on the bottom, center of the power panel, see Figure 6, Page 16, then refer to the appropriate parts list for that number.

****Service Note:**

Make a visual inspection of the contactors in order to select the correct replacement part.

024-35441-000 (9A)	R11-D0910-G7	024-35467-000 (65A)	R11-D6511-G7
024-35444-000 (12A)	R11-D1210-G7	024-35470-000 (80A)	R11-D8011-G7
024-35447-000 (18A)	R11-D1810-G7	024-35473-000 (95A)	R11-D9511-G7
024-35451-000 (25A)	R11-D2510-G7	024-34294-000 (150A)	TE-LC1D150-F7
024-35462-000 (50A)	R11-D5011-G7		

POWER PANEL COMPONENTS (CONT'D)

TABLE 6 – POWER PANEL COMPONENTS - YLUA0408 (SEE FIG. 6A, PAGE 17)

Item No.	Qty.	Description	Single Point Terminal Block (SX)	Single Point Non-Fused Disconnect Switch (SD)	Single Point Circuit Breaker (BX)	Single Point Non-Fused Disconnect Switch w/ Ind. System Circuit Breakers (DB)
2A^S	3	Fan Control Relay	371-05244-10x	371-05244-20x	371-05244-30x	371-05244-40x
			024-35526-000	024-35526-000	024-35526-000	024-35526-000
2B^S	4	Fan Contactor (-17 & -28)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
	2		024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**
	6		024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
	6		024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**
2C	13	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000
3A	4	Compressor Contactor (-17 & -28)	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**
	4	Compressor Contactor (-40)	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**
	4	Compressor Contactor (-46 & -58)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	4	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000
3B	1	Terminal Block (-17 & -28)	025-32536-000	N/A	N/A	N/A
	1	Terminal Block (-40, -46 & -58)	025-34910-000	N/A	N/A	N/A
	1	Circuit Breaker (-17 & -28)	N/A	N/A	025-34425-000	N/A
	1	Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34424-000	N/A
4A	1	Non-Fused Disc. Sw. (-17 & -28)	N/A	024-31889-000	N/A	024-31889-000
	1	Non-Fused Disc. Sw. (-40, -46 & -58)	N/A	024-30964-000	N/A	024-30964-000
	3	Safety Cover (use w/ TB -17 & -28)	025-39397-000	N/A	N/A	N/A
	3	Safety Cover (use w/ TB -40, -46 & -58)	025-39393-000	N/A	N/A	N/A
4B	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
4C	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
4D	1	Ind. Sys. Circuit Breaker (-17 & -28)	N/A	N/A	N/A	025-34424-000
5A	2	Ind. Sys. Circuit Breaker (-40, -46 & -58)	N/A	N/A	N/A	025-34419-000
8A	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse	See Fuse Table on Page 25			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

****Service Note:**

Locate the PANEL PART NUMBER sticker on the bottom, center of the power panel, see Figure 6, Page 16, then refer to the appropriate parts list for that number.

****Service Note:**

Make a visual inspection of the contactors in order to select the correct replacement part.

024-35441-000 (9A)	RI1-D0910-G7	024-35467-000 (65A)	RI1-D6511-G7
024-35444-000 (12A)	RI1-D1210-G7	024-35470-000 (80A)	RI1-D8011-G7
024-35447-000 (18A)	RI1-D1810-G7	024-35473-000 (95A)	RI1-D9511-G7
024-35451-000 (25A)	RI1-D2510-G7	024-34294-000 (150A)	TE-LC1D150-F7
024-35462-000 (50A)	RI1-D5011-G7		

POWER PANEL COMPONENTS (CONT'D)

TABLE 6 – POWER PANEL COMPONENTS - YLUA0468 (SEE FIG. 6A, PAGE 17)

Item No.	Qty.	Description	Single Point Terminal Block (SX)	Single Point Non-Fused Disconnect Switch (SD)	Single Point Circuit Breaker (BX)	Single Point Non-Fused Disconnect Switch w/ Ind. System Circuit Breakers (DB)
2A^S	3	Fan Control Relay	371-05246-10x	371-05246-20x	371-05246-30x	371-05246-40x
2B^S	3	Fan Contactor (-17 & -28)	024-35444-000	024-35526-000	024-35526-000	024-35526-000
	3		024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
	4	Fan Contactor (-40)	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**
	2		024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
	6		024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**
2C	14	Fan Contactor (-46 & -58)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
3A	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000
	1		024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**
	4	Compressor Contactor (-17 & -28)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	1		024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**
	4	Compressor Contactor (-40)	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**
3B	4	Compressor Contactor (-46 & -58)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
	1		024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**	024-35462-000 (50A)**
	5	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000
4A	1	Terminal Block (-17 & -28)	025-32536-000	N/A	N/A	N/A
	1	Terminal Block (-40, -46 & -58)	025-34910-000	N/A	N/A	N/A
	1	Circuit Breaker (-17 & -28)	N/A	N/A	025-34473-000	N/A
	1	Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34424-000	N/A
	1	Non-Fused Disc. Sw. (-17 & -28)	N/A	024-31889-000	N/A	024-31889-000
4B	1	Non-Fused Disc. Sw. (-40)	N/A	024-30965-000	N/A	024-30965-000
	1	Non-Fused Disc. Sw. (-46 & -58)	N/A	024-30964-000	N/A	024-30964-000
	3	Safety Cover (use w/ TB -17 & -28)	025-39397-000	N/A	N/A	N/A
4C	1	Safety Cover (use w/ TB -40, -46 & -58)	025-39393-000	N/A	N/A	N/A
4D	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
5A	2	Ind. Sys. Circuit Breaker (-17 & -28)	025-34089-000	025-34089-000	025-34089-000	025-34089-000
	2	Ind. Sys. Circuit Breaker (-40, -46 & -58)	N/A	N/A	N/A	025-34424-000
8A	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-34419-000
8B	6	Fuse		See Fuse Table on Page 25		025-37863-000
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

****Service Note:**

Make a visual inspection of the contactors in order to select the correct replacement part.

024-35441-000 (9A) R11-D0910-G7 024-35467-000 (65A) R11-D6511-G7
 024-35444-000 (12A) R11-D1210-G7 024-35470-000 (80A) R11-D8011-G7
 024-35447-000 (18A) R11-D1810-G7 024-35473-000 (95A) R11-D9511-G7
 024-35451-000 (25A) R11-D2510-G7 024-34294-000 (150A) TE-LC1D150-F7
 024-35462-000 (50A) R11-D5011-G7

***Service Note:**

Locate the PANEL PART NUMBER sticker on the bottom, center of the power panel, see Figure 6, Page 16, then refer to the appropriate parts list for that number.

POWER PANEL COMPONENTS (CONT'D)

TABLE 6 – POWER PANEL COMPONENTS - YLUA0498 (SEE FIG. 6A, PAGE 17)

Item No.	Qty.	Description	Single Point Terminal Block (SX)	Single Point Non-Fused Disconnect Switch (SD)	Single Point Circuit Breaker (BX)	Single Point Non-Fused Disconnect Switch w/ Ind. System Circuit Breakers (DB)
2A^S	3	Fan Control Relay	371-05246-10x	371-05246-20x	371-05246-30x	371-05246-40x
			024-35526-000	024-35526-000	024-35526-000	024-35526-000
	4	Fan Contactor (-17 & -28)	024-35447-000 (18A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
	2		024-35451-000 (25A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**
2B^S	4	Fan Contactor (-40)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
	2		024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**
	6	Fan Contactor (-46 & -58)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
2C	14	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000
	5	Compressor Contactor (-17 & -28)	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**
3A	5	Compressor Contactor (-40)	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**
	5	Compressor Contactor (-46 & -58)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
3B	5	Ground Lug	025-34088-000	025-34088-000	025-34088-000	025-34088-000
	1	Terminal Block (-17 & -28)	025-32536-000	N/A	N/A	N/A
		Terminal Block (-40, -46 & -58)	025-34910-000	N/A	N/A	N/A
4A	1	Circuit Breaker (-17 & -28)	N/A	N/A	025-34473-000	N/A
		Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34424-000	N/A
	1	Non-Fused Disc. Sw. (-17 & -28)	N/A	024-31889-000	N/A	024-31889-000
4B	3	Non-Fused Disc. Sw. (-40, -46 & -58)	N/A	024-30965-000	N/A	024-30965-000
		Safety Cover (use w/ TB -17 & -28)	025-39397-000	N/A	N/A	N/A
		Safety Cover (use w/ TB -40, -46 & -58)	025-39393-000	N/A	N/A	N/A
4C	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
4D	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
	2	Ind. Sys. Circuit Breaker (-17 & -28)	N/A	N/A	N/A	025-34424-000
5A	1	Ind. Sys. Circuit Breaker (-40, -46 & -58)	N/A	N/A	N/A	025-34419-000
	1		N/A	N/A	N/A	025-34420-000
8A	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse		See Fuse Table on Page 25		
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

^s Recommended Spare Part

****Service Note:**

Make a visual inspection of the contactors in order to select the correct replacement part.

024-35441-000 (9A) R11-D0910-G7 024-35467-000 (65A) R11-D6511-G7
 024-35444-000 (12A) R11-D1210-G7 024-35470-000 (80A) R11-D8011-G7
 024-35447-000 (18A) R11-D1810-G7 024-35473-000 (95A) R11-D9511-G7
 024-35451-000 (25A) R11-D2510-G7 024-34294-000 (150A) TE-LC1D150-F7
 024-35462-000 (50A) R11-D5011-G7

***Service Note:**

Locate the PANEL PART NUMBER sticker on the bottom, center of the power panel, see Figure 6, Page 16, then refer to the appropriate parts list for that number.

LUG KITS AND FUSES

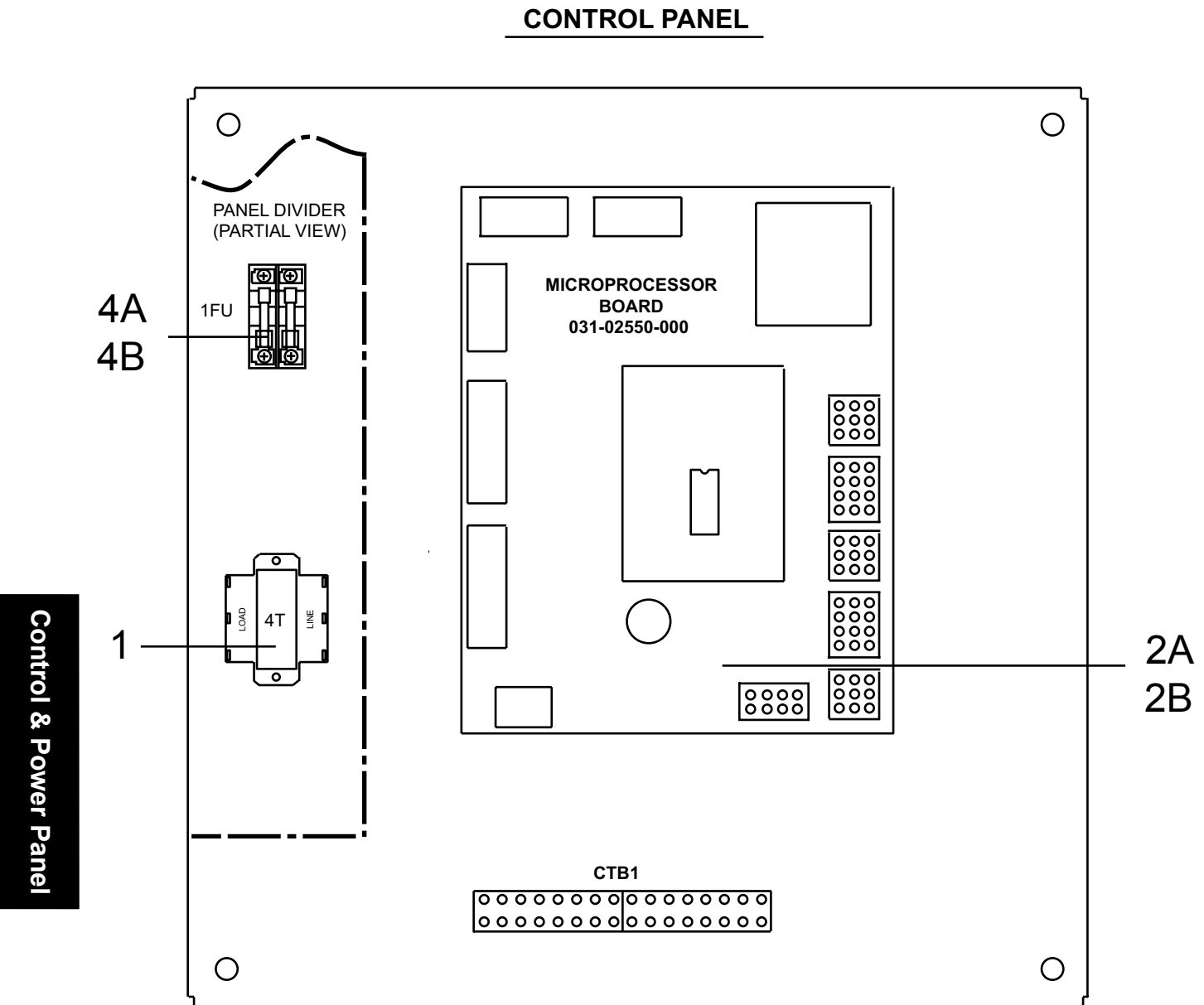
LUG KITS TABLE

Lug Kits		Lugs per Kit	Fits CB Frame	Amp	Wire Size	York Part Number
CB-0294	ABB-K4TE	3	S4	250A	#6 - 350 kCMIL	025-34418-000
CB-0295	ABB-K5TF		S5	300A	250 - 500 kCMIL	025-34481-000
CB-0296	ABB-K5TG		S5	400A	#3/0 - 250 kCMIL	025-34420-000
CB-0297	ABB-K6TH		S6	600A	250 - 500 kCMIL	025-34414-000
CB-0298	ABB-K6TJ		S6	800A	#2/0 - 400 kCMIL	025-34415-000

FUSE TABLE

Fuse		Size	YORK Lug Kit Part Number
FU-0494	600V	15A Time Delay	025-34141-000
FU-0746	600V	30A Time Delay	025-39683-000
FU-0495	600V	20A Time Delay	025-34142-000
FU-0490	600V	8A Time Delay	025-34137-000
FU-0493	600V	12A Time Delay	025-34140-000
FU-0496	600V	25A	025-41732-000

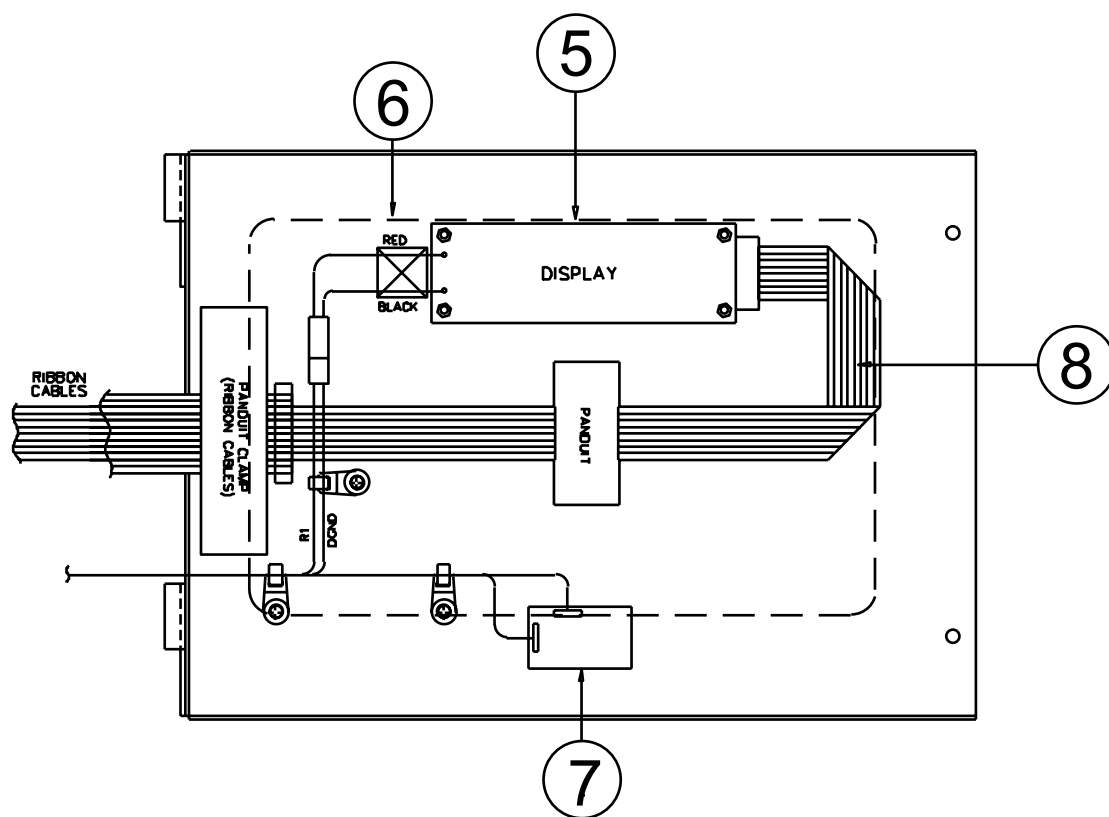
CONTROL PANEL COMPONENTS



203741-1b

FIG. 7 – CONTROL PANEL COMPONENTS (REF. TABLE 7, PAGE 27)

CONTROL PANEL COMPONENTS (CONT'D)



DISPLAY DOOR REAR VIEW

LD05167b

FIG. 7A – CONTROL PANEL COMPONENTS (REF. TABLE 7, PAGE 27)

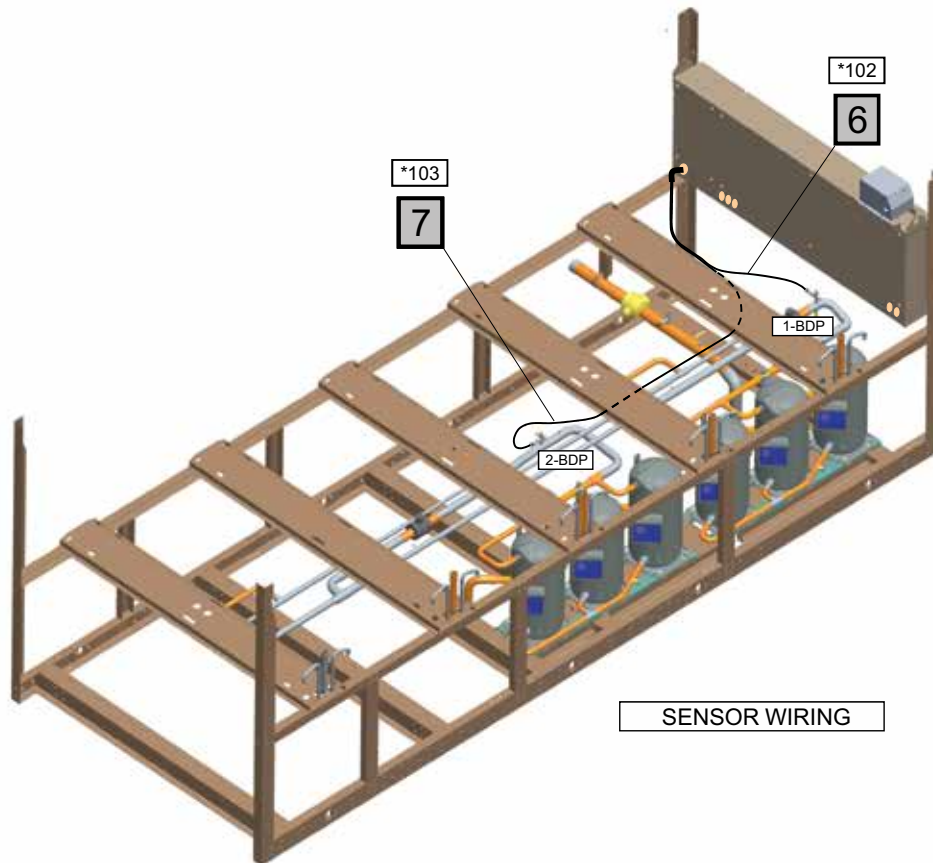
TABLE 7 – CONTROL PANEL COMPONENTS (SEE FIGS. 7 AND 7A, PAGES 26 AND 27)

Item No.	Qty.	Description	Common Parts
1	1	Transformer	025-27911-000
2A ^S	1	Micro / IO Board Kit	331-02550-101
2B ^S	1	Flashcard	031-02755-003
4A	1	Fuse Holder	025-34430-000
4B	1	Fuse	025-35905-000
5	1	Display	031-02749-000
6	1	Keypad	024-36082-007
7	1	Switch, On/Off	024-25517-000
8	1	Ribbon Cable, Display	031-02108-000

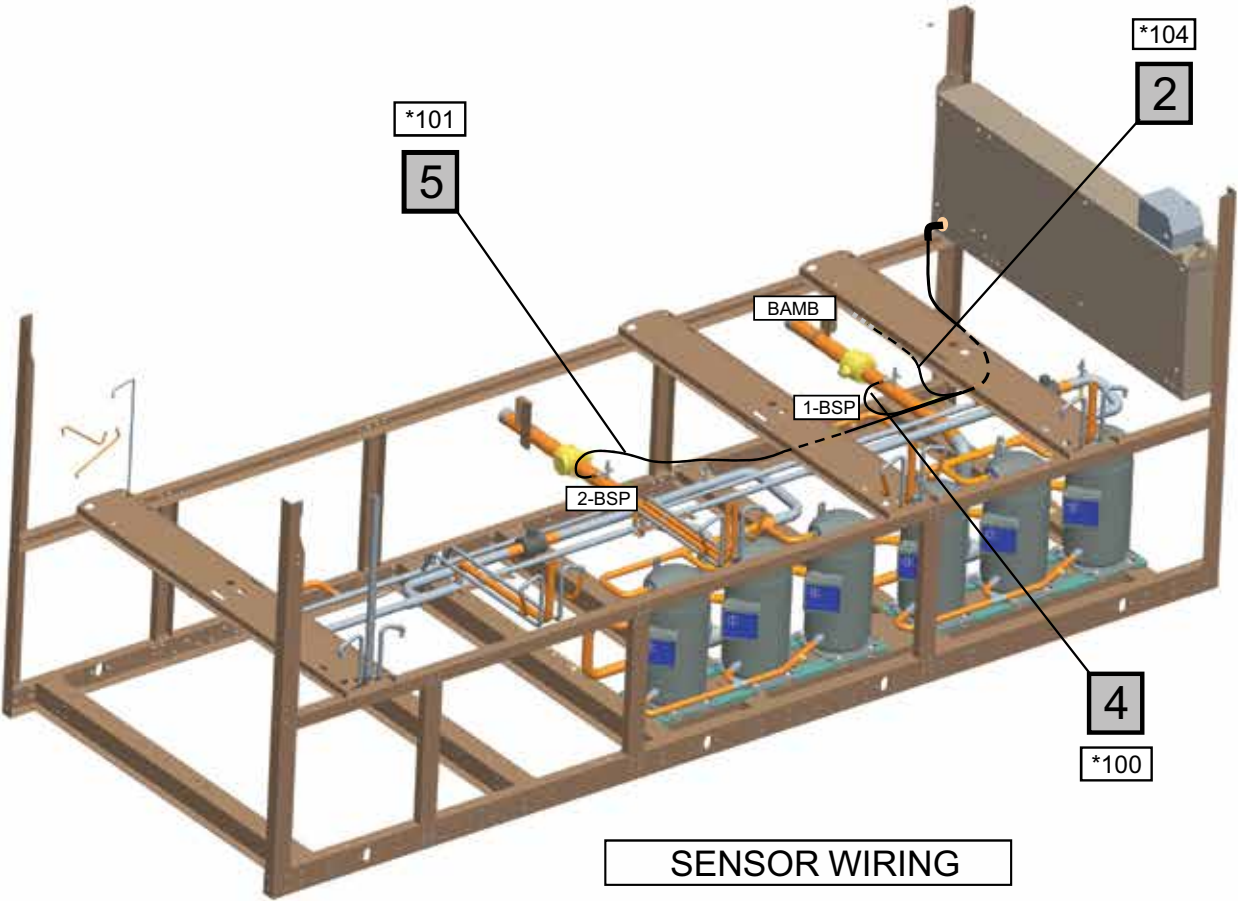
^S Recommended Spare Part

SENSOR HARNESSES

83057-001G

**FIG. 8 – HARNESS LAYOUT (REF. TABLES 8 AND 8A, PAGE 30)**

SENSOR HARNESSSES (CONT'D)



83057-001H

FIG. 8A – HARNESS LAYOUT (REF. TABLES 8 AND 8A, PAGE 34)

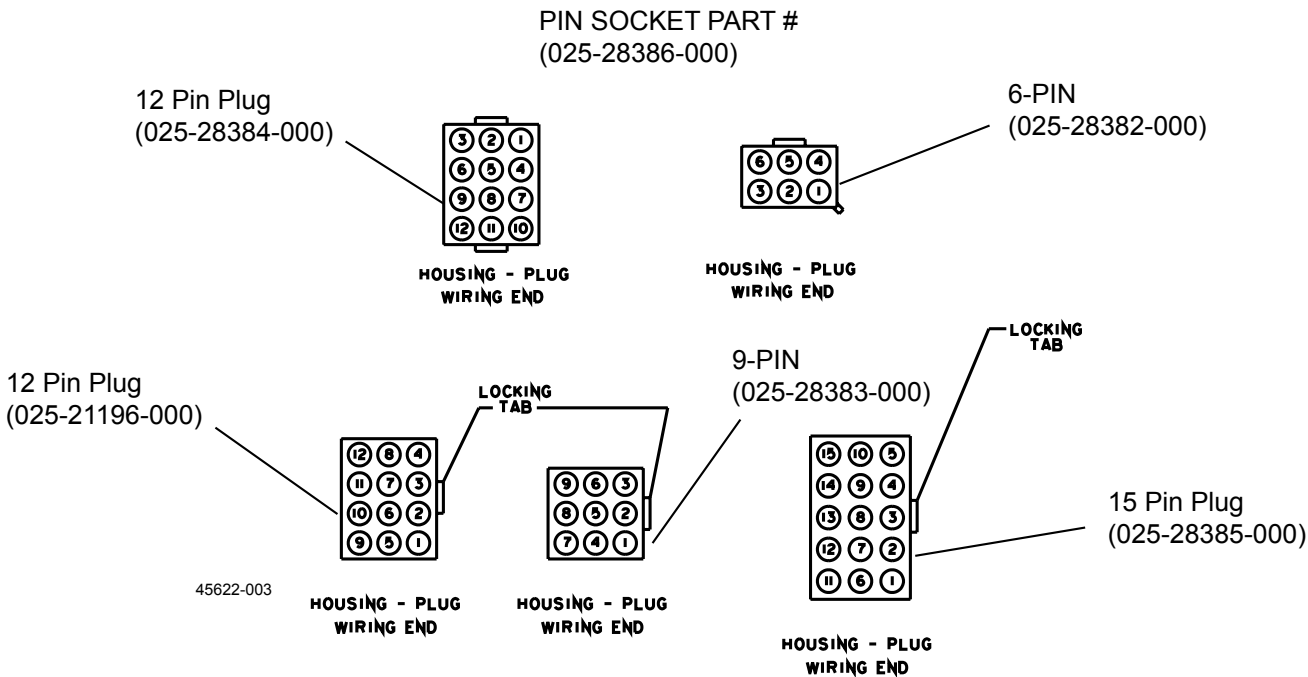


FIG. 8B – SENSOR HOUSING & PIN SOCKET PART NUMBERS
(REF. TABLES 8 AND 8A, PAGE 30)

SENSOR HARNESSES (CONT'D)

TABLE 8 – SENSOR HARNESS WIRING - YLUA0248, 0278, 0298, 0338, 0468 & YLUA0498 (SEE FIGS. 8, 8A AND 8B, PAGES 28 AND 29)

Board Location	Cable Item No.	Cable No.	Wire Color	Plug Pin No.	Function	Harness Assembly Part Number
MICRO P7	100	4	Red	5	System #1 Suction Pressure	575-72382-321
			White	10		
			Black	9		
			Drain	1		
MICRO P16	102	6	Red	1	System #1 Discharge Pressure	575-72382-309
			White	2		
			Black	3		
			Drain	4		
MICRO P6	105	8	Black	8	Discharge Air Temperature	575-72382-325
			Red	5		
			Drain	2		
	104	2	Black	9	Outside Air Temperature	575-72382-311
			Red	6		
			Drain	3		
MICRO P9	101	5	Red	5	System #2 Suction Pressure	575-72382-322
			White	10		
			Black	9		
			Drain	1		
MICRO P18	103	7	Red	1	System #2 Discharge Pressure	575-72382-310
			White	2		
			Black	3		
			Drain	4		

TABLE 8A – SENSOR HARNESS WIRING - YLUA0308 & YLUA0408 (SEE FIGS. 8, 8A AND 8B, PAGES 28 AND 29)

Board Location	Cable Item No.	Cable No.	Wire Color	Plug Pin No.	Function	Harness Assembly Part Number
MICRO P7	100	4	Red	5	System #1 Suction Pressure	575-72382-323
			White	10		
			Black	9		
			Drain	1		
MICRO P16	102	6	Red	1	System #1 Discharge Pressure	575-72382-302
			White	2		
			Black	3		
			Drain	4		
MICRO P6	105	8	Black	7	Discharge Air Temperature	575-72382-325
			Red	4		
			Drain	1		
	104	2	Black	9	Outside Air Temperature	575-72382-304
			Red	6		
			Drain	3		
MICRO P9	101	5	Red	5	System #2 Suction Pressure	575-72382-324
			White	10		
			Black	9		
			Drain	1		
MICRO P18	103	7	Red	1	System #2 Discharge Pressure	575-72382-303
			White	2		
			Black	3		
			Drain	4		

TRANSDUCERS AND TEMP SENSORS

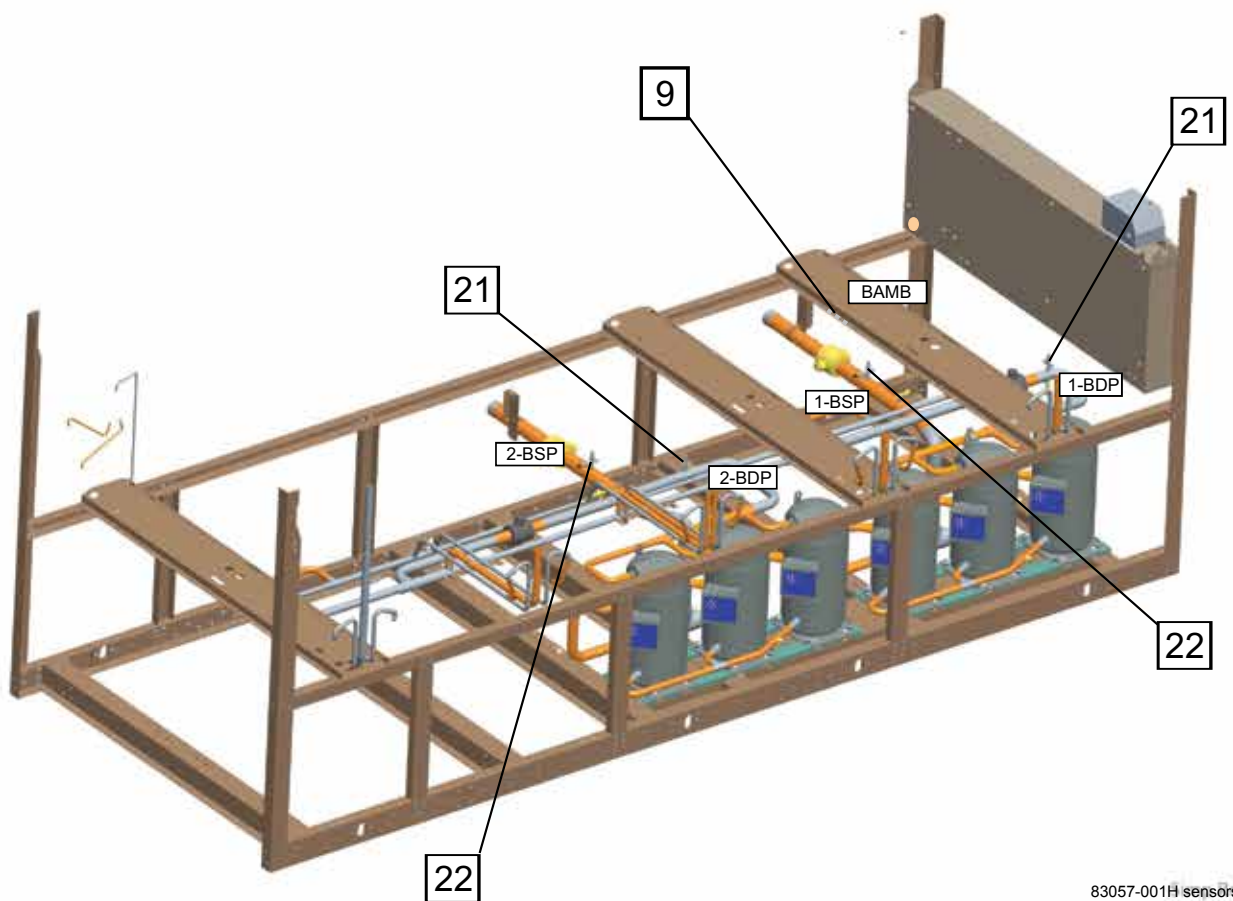


FIG. 9 – TRANSDUCERS, PRESSURE CUTOUTS AND TEMP SENSORS (REF. TABLE 9)

**TABLE 9 – TRANSDUCERS, PRESSURE CUTOUTS AND TEMP SENSORS
(SEE FIG. 9)**

Item Number	Qty	Description	Models	Part Number
1^S	1	Sensor, Outside Air Temperature	All	025-28663-001
20^S	2	Transducer, Suction Pressure (0-400psi)	All	025-41756-002
21^S	2	Transducer, Discharge Pressure (0-650psi)	All	025-41756-003
42^S	2	Sensor, Discharge Temperature (Not Shown)	All	025-28935-000

^S Recommended Spare Part

The diagrams show the wiring for two sensors: a Transducer (3 PIN) and a Thermistor (2 PIN).

Transducer (3 PIN):

- End View of Plug:** Shows a 3-pin plug with pins labeled A, B, and C. Pin A is Ground (GND), Pin B is Supply, and Pin C is Output.
- End View of Socket:** Shows a 3-pin socket with pins labeled A, B, and C.
- Wiring Harness:** Shows a 3-pin harness with wires labeled WHT (White), BLK (Black), and RED (Red).
- Transducer:** A cylindrical component with a threaded end.

Thermistor (2 PIN):

- End View of Plug:** Shows a 2-pin plug with pins labeled 1 and 2.
- Wiring Harness:** Shows a 2-pin harness with wires labeled BLACK and BLACK.
- Thermistor:** A small component with two pins.

TABLE 10 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS (SEE FIG. 10)

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

VIBRATION ISOLATORS

TABLE 11 – VIBRATION ISOLATORS PART NUMBERS

ONE INCH DEFLECTION SPRING ISOLATOR CROSS REFERENCE*				
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
Up to 435 lbs.	Up to 197 kg.	CP-1D-510	BLACK	029-25334-002
435 to 766 lbs.	197 to 347 kg.	CP-1D-900	DARK GREEN	029-25334-003
766 to 1021 lbs.	347 to 463 kg.	CP-1D-1200	GRAY	029-25334-004
1021 to 1157 lbs.	463 to 525 kg.	CP-1D-1360	WHITE	029-25334-005
1157 to 1785 lbs.	525 to 810 kg.	CP-1D-1785N	GRAY/RED	029-25334-006
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
Up to 1149 lbs.	Up to 521 kg.	C2P-1D-1350	DARK PURPLE	029-25334-008
1149 to 1531 lbs.	521 to 694 kg.	C2P-1D-1800	DARK GREEN	029-25334-009
1531 to 2041 lbs.	694 to 926 kg.	C2P-1D-2400	GRAY	029-25334-010
2041 to 2313 lbs.	926 to 1049 kg.	C2P-1D-2720	WHITE	029-25334-012
2313 to 3570 lbs.	1049 to 1619 kg.	C2P-1D-3570N	GRAY/ RED	029-25334-013

NEOPRENE ISOLATOR CROSS REFERENCE				
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
Up to 826 lbs.	Up to 375 kg.	RD-3	CHARCOAL	029-25335-001
826 to 1689 lbs.	375 to 766 kg.	RD-4	BRICK RED	029-25335-002
1689 to 4000 lbs.	766 to 1814 kg.	RD-4	CHARCOAL	029-25335-004

TWO INCH DEFLECTION, SEISMIC SPRING ISOLATOR CROSS REFERENCE				
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
Up to 392 lbs.	Up to 178 kg.	Y2RSI-2D-460	GREEN	029-25336-006
392 to 605 lbs.	178 to 274 kg.	Y2RSI-2D-710	DARK BROWN	029-25336-008
605 to 741 lbs.	274 to 336 kg.	Y2RSI-2D-870	RED	029-25336-009
741 to 1021 lbs.	336 to 463 kg.	Y2RSI-2D-1200N	RED/BLACK	029-25336-010
1021 to 1438 lbs.	463 to 652 kg.	Y2RSI-2D-1690	PINK	029-25336-011
1438 to 2245 lbs.	652 to 1018 kg.	Y2RSI-2D-2640N	PINK/GRAY	029-25336-012
2245 to 2619 lbs.	1018 to 1188 kg.	Y2RSI-2D-2870N	PINK/GRAY/ORANGE	029-25336-013
2619 to 3740 lbs.	1188 to 1697 kg.	Y2RSI-2D-3280N	PINK/GRAY/DARK BROWN	029-25336-014

* **Note:** One Inch Deflection Spring Isolators must all be of the same class for the entire unit. Must use C2P's at all locations on a selected unit, or all CP's.

YLUA CHILLER OPTIONS - KITS

TABLE 12 – FIELD INSTALLED OPTIONS PART NUMBERS

MODEL NUMBER YLUA	DEHYDRATOR KIT	ACOUSTIC SOUND BLANKET KIT*	HOTGAS BY-PASS SOLENOID KIT
MODEL #	475-89386	310-06507	375-83290
0248	-001	-724	-100
0278		-725	-300
0298		-726	
0308		-727	-400
0338		-728	
0408			-500
0468	-002	-200	-700
0498			

* Note: One Kit Per Chiller.

TABLE 12A – CONTROL TRANSFORMER KIT

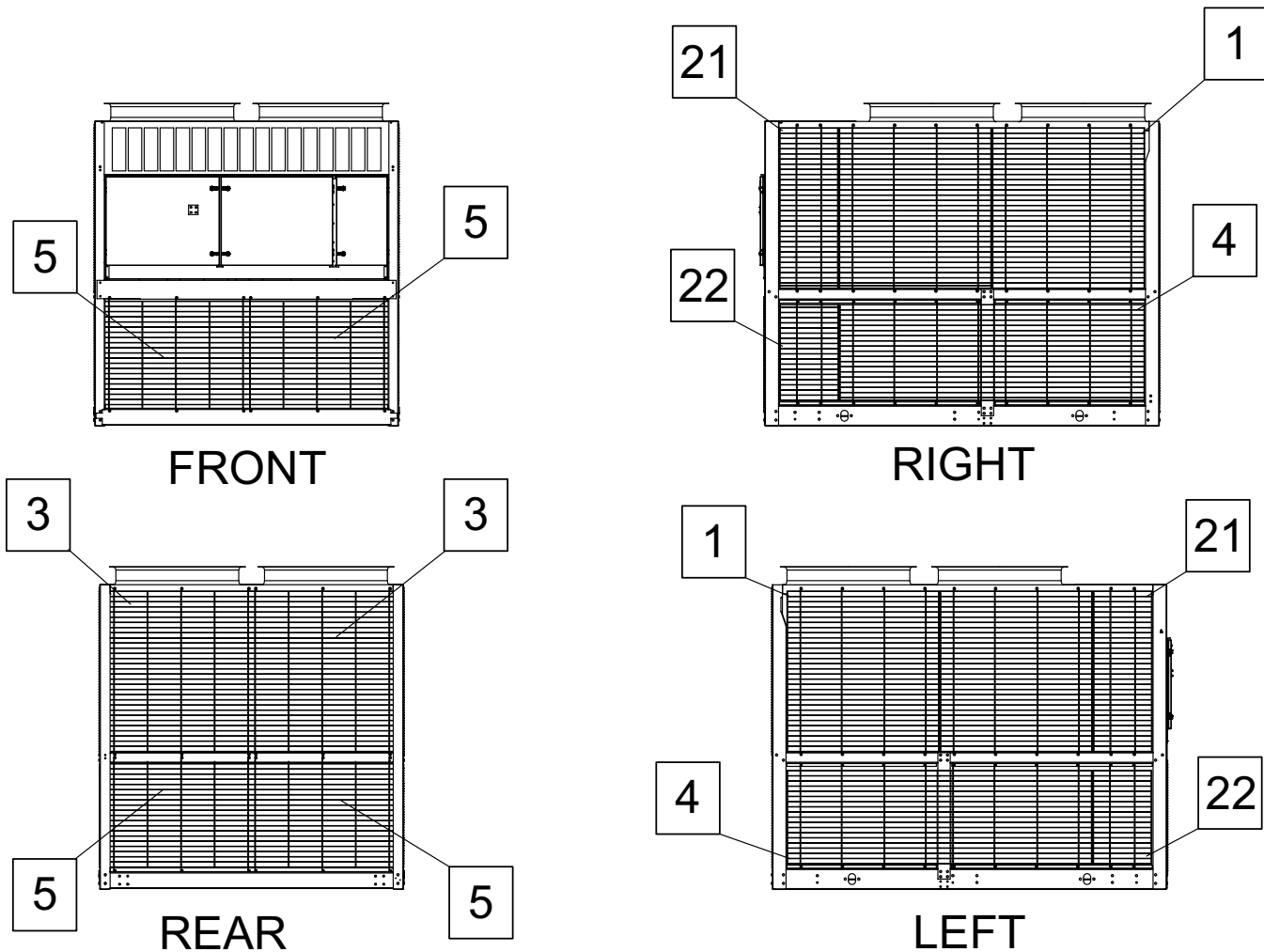
MODEL NUMBERS	VOLTAGE	DESCRIPTION	KIT PART NUMBER	XFMR ONLY
YLUA0248-YLUA0498	-50	KIT, CONTROL TRANSFORMER 2.0 KVA	375-76528-106	025-34493-000

ENCLOSURE KIT OPTIONS

TABLE 13 – ENCLOSURE KIT OPTIONS (SEE FIGS. 11-12, PAGES 36-37)

MODEL NUMBER YLUA-	WIRE ENCLOSURE	LOUVERED ENCLOSURE	WIRE / LOUVERED ENCLOSURE	LOUVERED ENCLOSURE CONDENSER ONLY	LOUVERED ENCLOSURE HAIL GUARD ONLY
0248	475-75917-301	475-75918-301	475-75917-303	475-75918-303	475-75918-104
0278					
0298					
0308	475-75917-201	475-75918-201	475-75917-203	475-75918-203	
0338					
0408					
0468	475-75917-101	475-75918-101	475-75917-103	475-75918-103	
0498					

ENCLOSURE KIT OPTIONS (CONT'D)



75917-300-1

FIG. 11 – WIRE ENCLOSURE - MODELS YLUA0248, YLUA0278 & YLUA0298 SHOWN (REF. TABLE 14)

TABLE 14 – WIRE ENCLOSURE (SEE FIG. 11)

WIRE ENCLOSURE		YLUA0248, 0278 & YLUA0298		YLUA0308, 0338 & YLUA0408		YLUA0468 & YLUA0498	
ITEM #	DESCRIPTION	475-75917-30x	QTY	475-75917-20x	QTY	475-75917-10x	QTY
1	WIRE GRILLE	026-45058-007	4	026-45058-007	6	026-45058-007	8
3	WIRE GRILLE	026-45058-008	2	026-45058-008	2	026-45058-008	2
4	WIRE GRILLE	026-45058-001	4	026-45058-001	6	026-45058-001	8
5	WIRE GRILLE	026-45058-005	4	026-45058-005	4	026-45058-005	4
21	WIRE GRILLE	026-45058-009	2	N/A	-	N/A	-
22	WIRE GRILLE	026-45058-010	2	N/A	-	N/A	-

ENCLOSURE KIT OPTIONS (CONT'D)

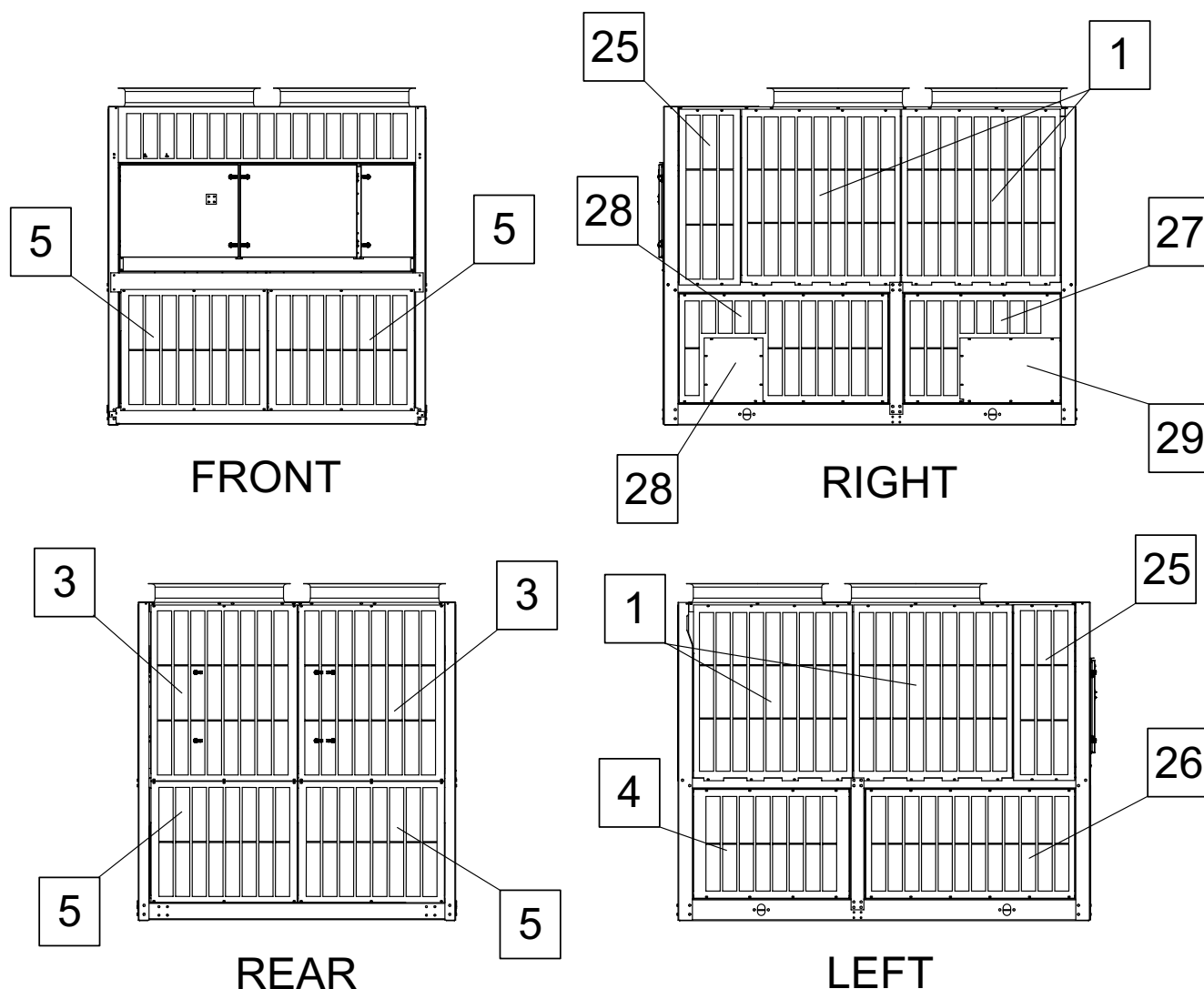


FIG. 12 – LOUVERED ENCLOSURE (REF. TABLE 15)

75918-300-1

TABLE 15 – LOUVERED ENCLOSURE (SEE FIG. 12)

WIRE ENCLOSURE		YLUA0248, 0278 & YLUA0298		YLUA0308, 0338 & YLUA0408		YLUA0468 & YLUA0498	
ITEM #	DESCRIPTION	475-75918-30x	QTY	475-75918-20x	QTY	475-75918-10x	QTY
1	LOUVERED PANEL	075-75918-003	4	075-75918-003	6	075-75918-003	8
3	LOUVERED PANEL	075-75918-006	2	075-75918-006	2	075-75918-006	2
4	LOUVERED PANEL	075-75918-001	1	075-75918-001	4	075-75918-001	6
5	LOUVERED PANEL	075-75918-004	4	075-75918-004	4	075-75918-004	4
25	LOUVERED PANEL	075-75918-012	2	N/A	-	N/A	-
26	LOUVERED PANEL	075-75918-007	1	N/A	-	N/A	-
27	LOUVERED PANEL	075-75918-010	1	075-75918-021	1	075-75918-021	1
28	LOUVERED PANEL	075-75918-012	1	075-75918-015	1	075-75918-015	1
29	PANEL	075-75918-013	1	075-75918-020	1	075-75918-020	1
30	PANEL	075-75918-014	1	075-75918-017	1	075-75918-017	1

RECOMMENDED SPARE PARTS

York Model YLUA Styles A & B Air Cooled Hermetic Scroll Chillers
Suggested Spare Parts List for Critical Duty Applications

TABLE 17 – RECOMMENDED SPARE PARTS - YLUA0248-YLUA0498 CHILLERS

PAGE REF. & ITEM NUMBER	DESCRIPTION	MODELS	PART NUMBER
Page 6, Item 1	Fan Motor (Standard)	-50	024-27322-107
Page 6, Item 1	Fan Motor (Low Noise)	-50	024-34980-001
Page 6, Item 2	Fan Blade (Standard)	All	026-35605-000
	Fan Blade (Low Noise)	All	026-45002-000
Page 12, Item OIL	Oil, Compressor (Type 'V')	R-410A	011-00948-000
Pages 18-24, Item 2A	Fan Control Relay	All	See Table 6
Pages 18-24, Item 2B	Fan Contactor	All	See Table 6
Page 27, Item 2A	Micro / IO Board Kit	All	331-02550-101
Page 27, Item 2B	Flashcard	All	031-02755-003
Page 31, Item 1	Sensor, Outside Air Temperature	All	025-28663-001
Page 31, Item 20	Transducer, Suction Pressure (0-400psi)	All	025-41756-002
Page 31, Item 21	Transducer, Discharge Pressure (0-650psi)	All	025-41756-003
Page 31, Item 42	Sensor, Discharge Temperature	All	025-28935-000

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

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