



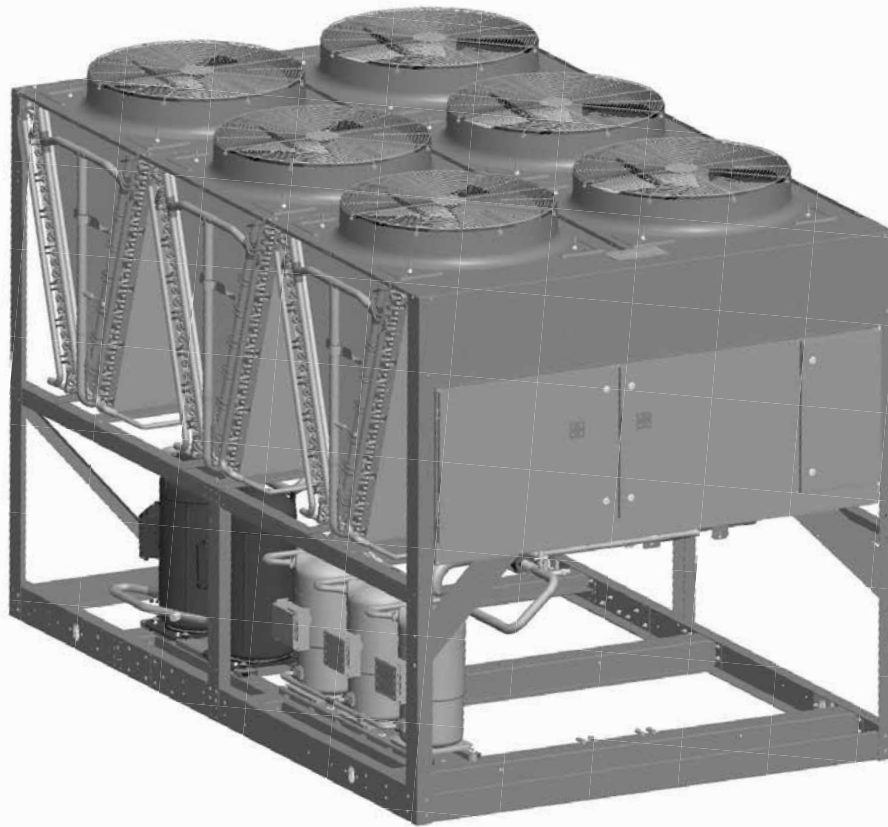
AIR-COOLED CONDENSING UNIT HERMETIC SCROLL

RENEWAL PARTS

New Release

Form QCC3-RP1 (517)

**MODELS QCC3080C, 085C, 090C, 100C,
110C, 130C, 145C QCC3160C
STYLES A and B**



200-3-60
230-3-60
315-3-60
460-3-60
575-3-60

MODELS ONLY

**80 - 160 TON
245 - 545 KW
60HZ**



Issue Date:
May 19, 2017



IMPORTANT!

READ BEFORE PROCEEDING!

GENERAL SAFETY GUIDELINES

This equipment is a relatively complicated apparatus. During rigging, installation, operation, maintenance, or service, individuals may be exposed to certain components or conditions including, but not limited to: heavy objects, refrigerants, materials under pressure, rotating components, and both high and low voltage. Each of these items has the potential, if misused or handled improperly, to cause bodily injury or death. It is the obligation and responsibility of rigging, installation, and operating/service personnel to identify and recognize these inherent hazards, protect themselves, and proceed safely in completing their tasks. Failure to comply with any of these requirements could result in serious damage to the equipment and the property in

which it is situated, as well as severe personal injury or death to themselves and people at the site.

This document is intended for use by owner-authorized rigging, installation, and operating/service personnel. It is expected that these individuals possess independent training that will enable them to perform their assigned tasks properly and safely. It is essential that, prior to performing any task on this equipment, this individual shall have read and understood the on-product labels, this document and any referenced materials. This individual shall also be familiar with and comply with all applicable industry and governmental standards and regulations pertaining to the task in question.

SAFETY SYMBOLS

The following symbols are used in this document to alert the reader to specific situations:



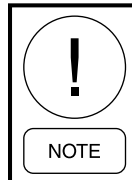
Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.



Identifies a hazard which could lead to damage to the machine, damage to other equipment and/or environmental pollution if proper care is not taken or instructions are not followed.



Indicates a potentially hazardous situation which will result in possible injuries or damage to equipment if proper care is not taken.



Highlights additional information useful to the technician in completing the work being performed properly.



External wiring, unless specified as an optional connection in the manufacturer's product line, is not to be connected inside the control cabinet. Devices such as relays, switches, transducers and controls and any external wiring must not be installed inside the micro panel. All wiring must be in accordance with Quantech published specifications and must be performed only by a qualified electrician. Quantech will NOT be responsible for damage/problems resulting from improper connections to the controls or application of improper control signals. Failure to follow this warning will void the manufacturer's warranty and cause serious damage to property or personal injury.

CHANGEABILITY OF THIS DOCUMENT

In complying with Quantech policy for continuous product improvement, the information contained in this document is subject to change without notice. Quantech makes no commitment to update or provide current information automatically to the manual or product owner. Updated manuals, if applicable, can be obtained by contacting your Quantech Sales Representative.

It is the responsibility of rigging, lifting, and operating/service personnel to verify the applicability of these documents to the equipment. If there is any question regarding the applicability of these documents, rig-

ging, lifting, and operating/service personnel should verify whether the equipment has been modified and if current literature is available from the owner of the equipment prior to performing any work on the chiller.

CHANGE BARS

Revisions made to this document are indicated with a line along the left or right hand column in the area the revision was made. These revisions are to technical information and any other changes in spelling, grammar or formatting are not included.

HOW TO USE RENEWAL PARTS MANUALS

Quantech offers an assortment of replacements parts for Quantech units. Each replacement part is manufactured and fitted for a specific model. This Replacement Parts Manual is for standard Quantech units. Chiller units built with special options, modifications, or conversions are not covered in this manual.

This Replacement Parts Manual provides Quantech chiller replacement parts by part numbers, descriptions, quantities and drawing figures. To determine the correct replacement part, locate the item on drawing figure and refer to the parts list for the part number, description and quantity.

NOTE: Provide a unit model number, unit serial number and part number when requesting a quotation or placing an order. Failure to include this information may delay processing of your request.

Model and Serial Number Locations:

- **Unit** - Namplate on side of Control Panel
- **Compressor** - Namplate on Compressor Housing
- **VSD** - Namplate on VSD Panel

Contact the following sources to order parts.

NORTH AMERICA

Baltimore Parts Center

Contrators within USA

Telephone: (800)-932-1701

Equipment Owners within USA who maintain their own equipment

Telephone: (800)-482-2778

Email: cg-baltimore-parts-customer@jci.com

For parts availability and ordering Quantech HVAC Parts within the USA please use the following link:
http://www.johnsoncontrols.com/content/us/en/products/building_efficiency/products-and-systems/integrated_hvac_systems/parts_center/baltimorepartscenter.html

EUROPE

HVAC Parts Centre (Europe)

Telephone: +44 (0) 1268 246 400

Email: ALLParts@jci.com

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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 QCC3 – DESIGN SERIES "A" (MICROCHANNEL)

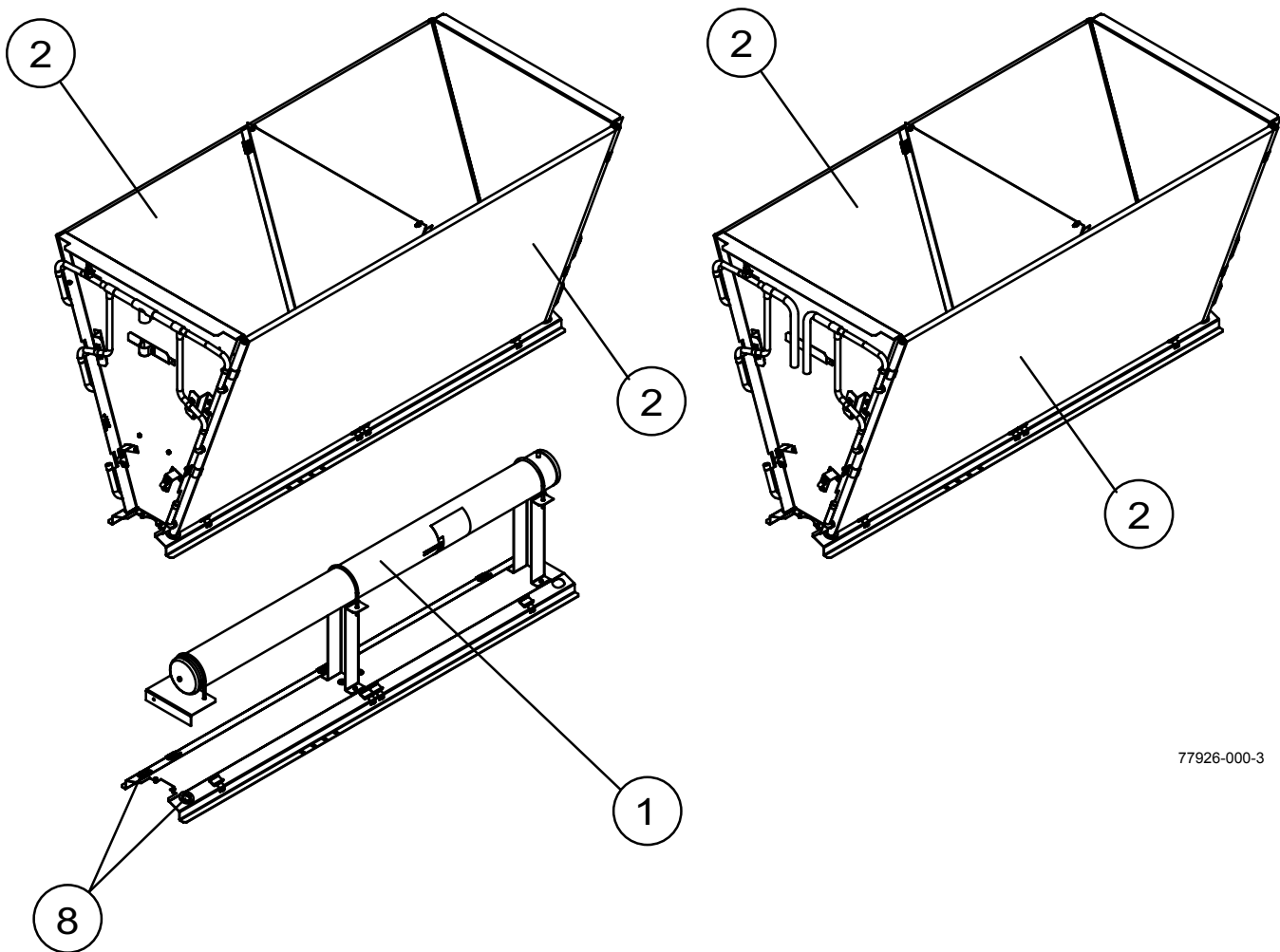


FIGURE 1 - MICROCHANNEL CONDENSER COIL COMPONENTS - DESIGN SERIES "A"
(REFER TO TABLE 1 ON PAGE 7)

CONDENSER COIL COMPONENTS (CONT'D)

CHILLER MODEL QCC3 – DESIGN SERIES "A" (MICROCHANNEL)

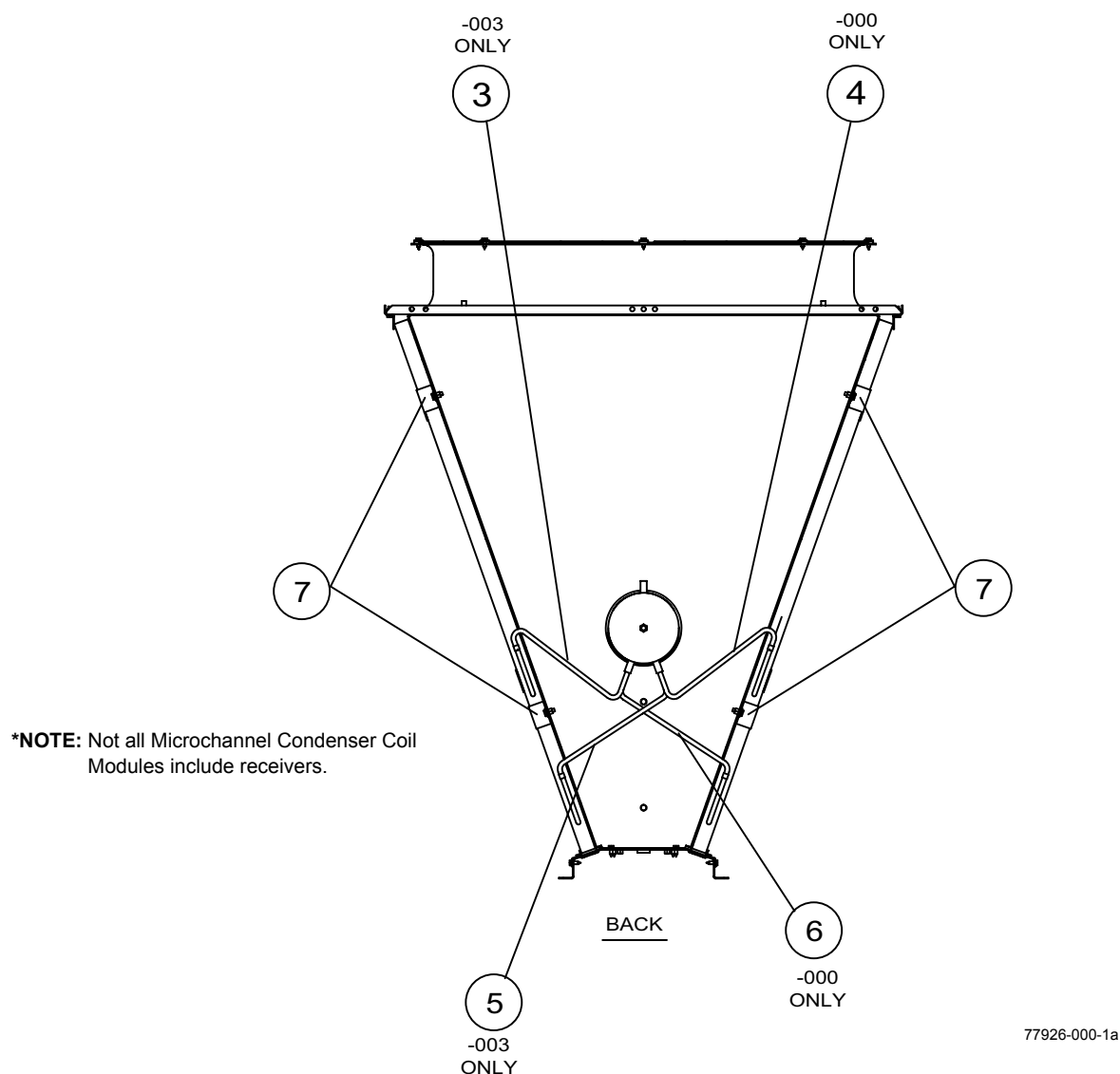
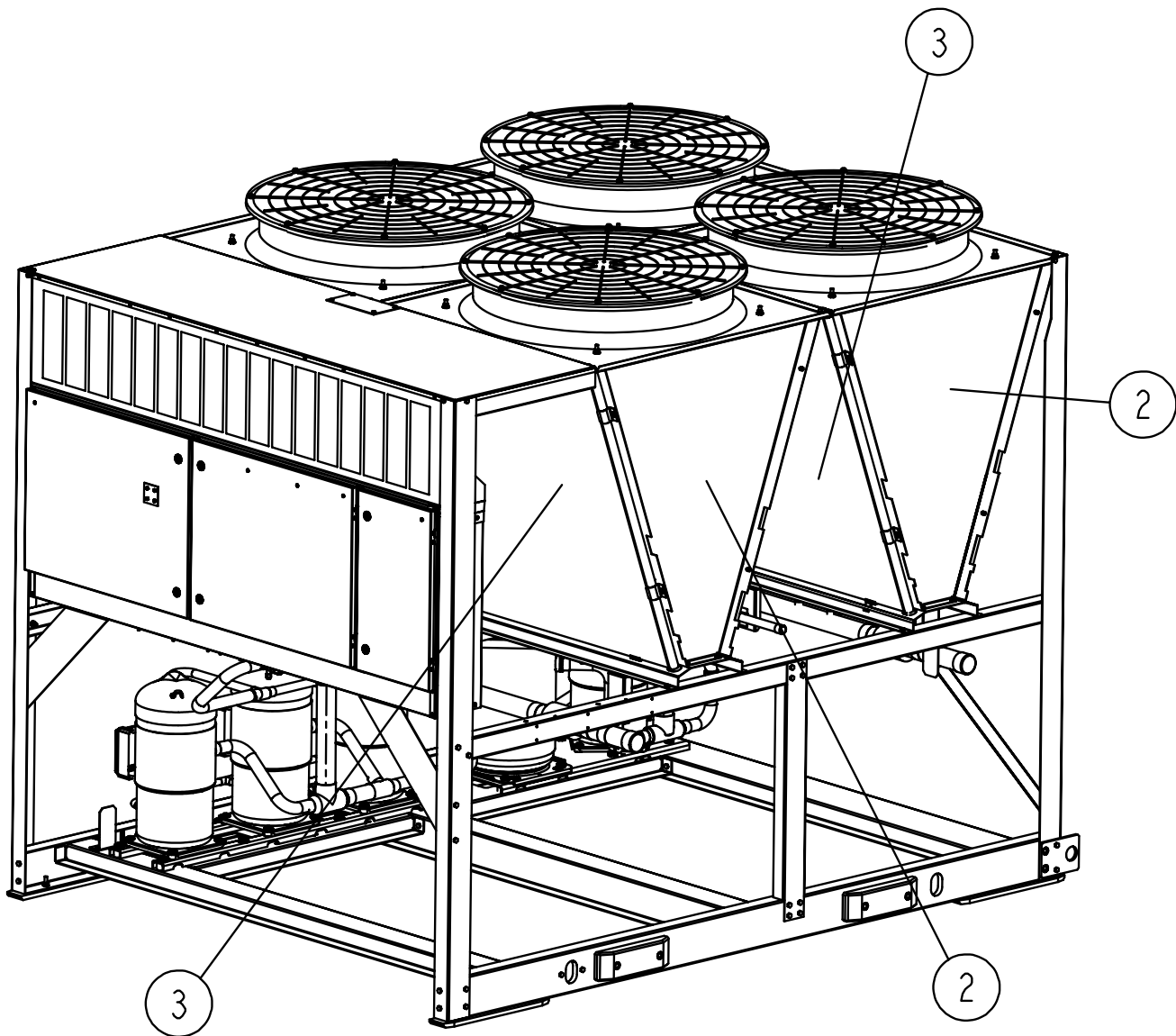


FIGURE 2 - MICROCHANNEL CONDENSER COIL COMPONENTS - DESIGN SERIES "A"

TABLE 1 - MICROCHANNEL CONDENSER COIL COMPONENTS - DESIGN SERIES "A"

ITEM NUMBER	DESCRIPTION	QTY PER CONDENSER SECTION "V"	PART NUMBER
1	Receiver, 6" Diameter	1	026-45013-000
2	Coil	2	026-45535-000
3	Pipe, Coil to Receiver	1	075-77930-001
4	Pipe, Coil to Receiver	1	075-77930-002
5	Pipe, Coil to Receiver	1	075-77930-003
6	Pipe, Coil to Receiver	1	075-77930-003
7	Clamp, Header	8	075-74862-007
8	Bushing	2	028-15821-000

CONDENSER COIL COMPONENTS (CONT'D) CHILLER MODEL QCC3 – DESIGN SERIES "B" (TUBE AND FIN)



83210-2a

FIGURE 3 - CONDENSER COIL COMPONENTS DESIGN SERIES "B" - QCC3080CZE, QCC3085CZE AND QCC3090CZE SHOWN (REFER TO TABLE 2 ON PAGE 9)

CONDENSER COIL COMPONENTS (CONT'D) CHILLER MODEL QCC3 – DESIGN SERIES "B" (TUBE AND FIN)

TABLE 2 - CONDENSER COIL COMPONENTS - DESIGN SERIES "B"

ITEM NUMBER	DESCRIPTION	QCC3080C, QCC3085C AND QCC3090C	QCC3100C AND QCC3130C	QCC3110C	QCC3145CZE AND QCC3160C
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)

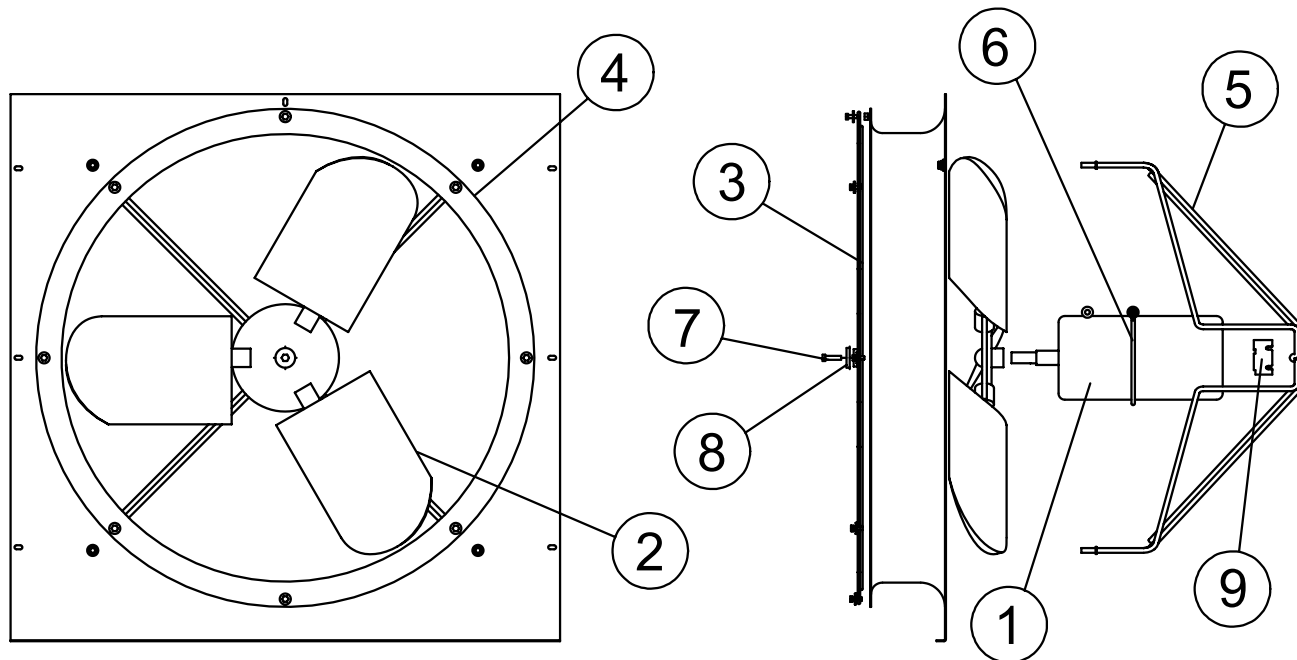
*NOTE: Coils include coil and headers.

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 4.

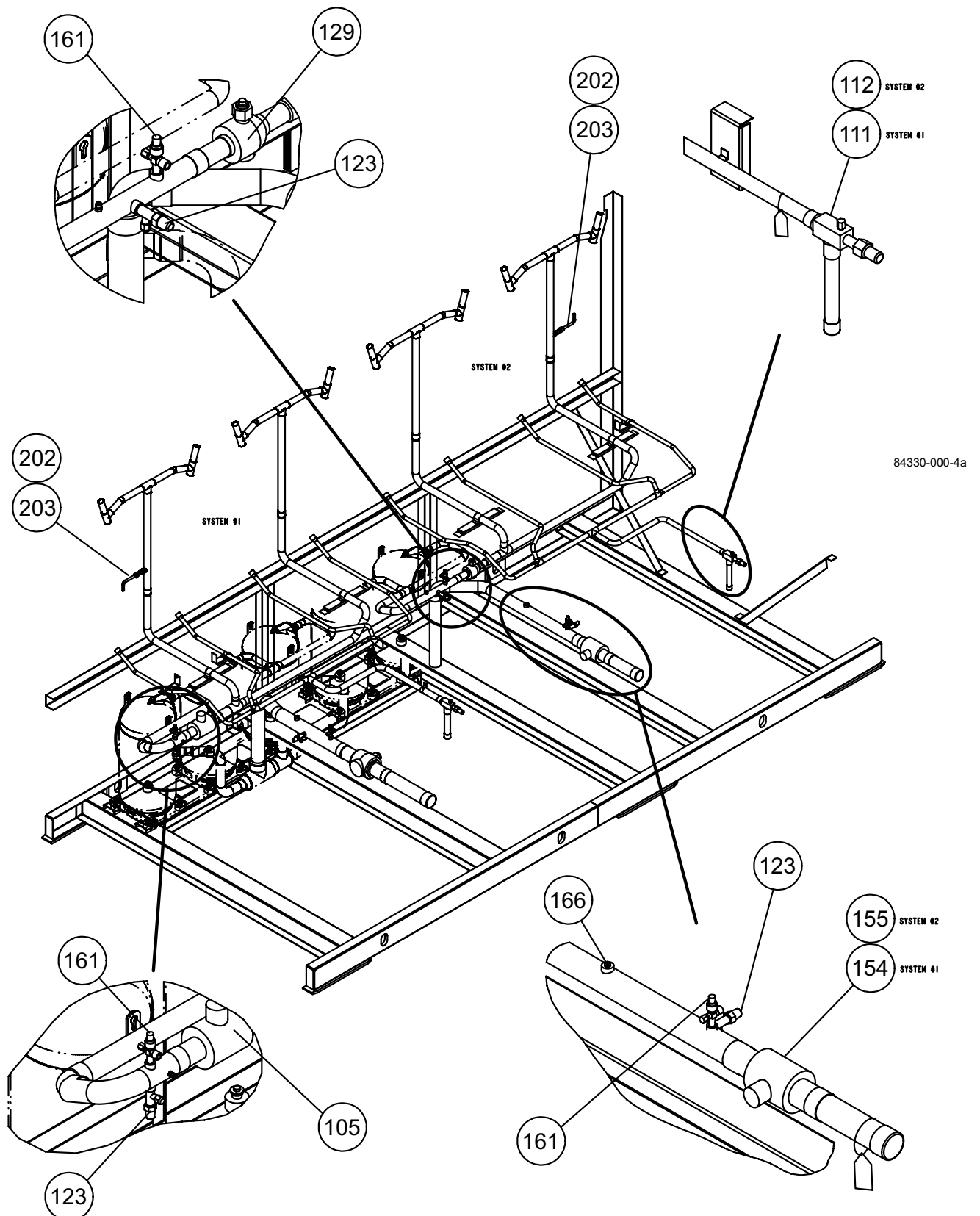
FIGURE 4 - FAN COMPONENTS

TABLE 3 - 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 (QCC3080C-QCC3160C)	-17	024-36873-103	024-34980-102
		-28	024-36873-106	024-34980-102
		-40	024-36873-104	024-34980-105
		-46	024-36873-107	024-34980-101
		-58	024-36873-102	024-34980-104
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 QCC3 – DESIGN SERIES "A AND B"



**FIGURE 5 - REFRIGERANT PIPING COMPONENTS - MODELS QCC3145C AND QCC3160C SHOWN
(REFER TO TABLE 4 ON PAGE 24)**

REFRIGERANT PIPING COMPONENTS (CONT'D) CHILLER MODEL QCC3 – DESIGN SERIES "A AND B"

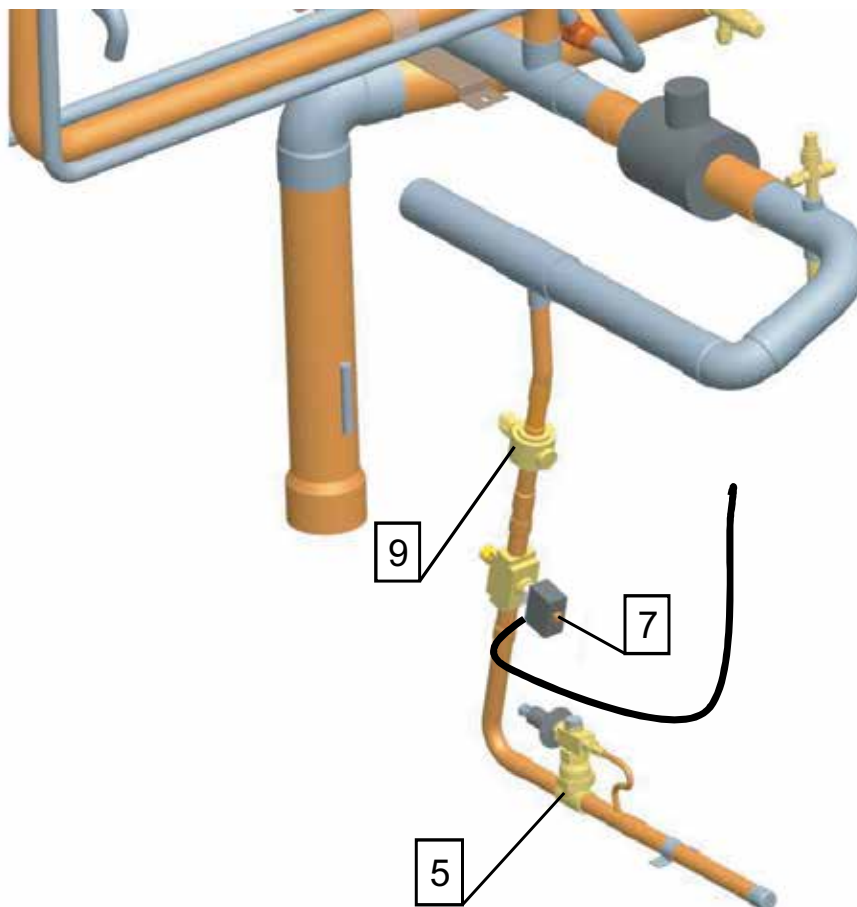
TABLE 4 - REFRIGERANT PIPING COMPONENTS

ITEM	SYS.	DESCRIPTION	QCC3080C	QCC3085C	QCC3090C
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	SYS.	DESCRIPTION	QCC3100C	QCC3110C	QCC3130C
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	SYS.	DESCRIPTION	QCC3145C	QCC3160C
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 QCC3 – DESIGN SERIES "A AND B"



83290-000e

FIGURE 6 - HOT GAS BY-PASS COMPONENTS

TABLE 5 - HOT GAS BY-PASS COMPONENTS

ITEM	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

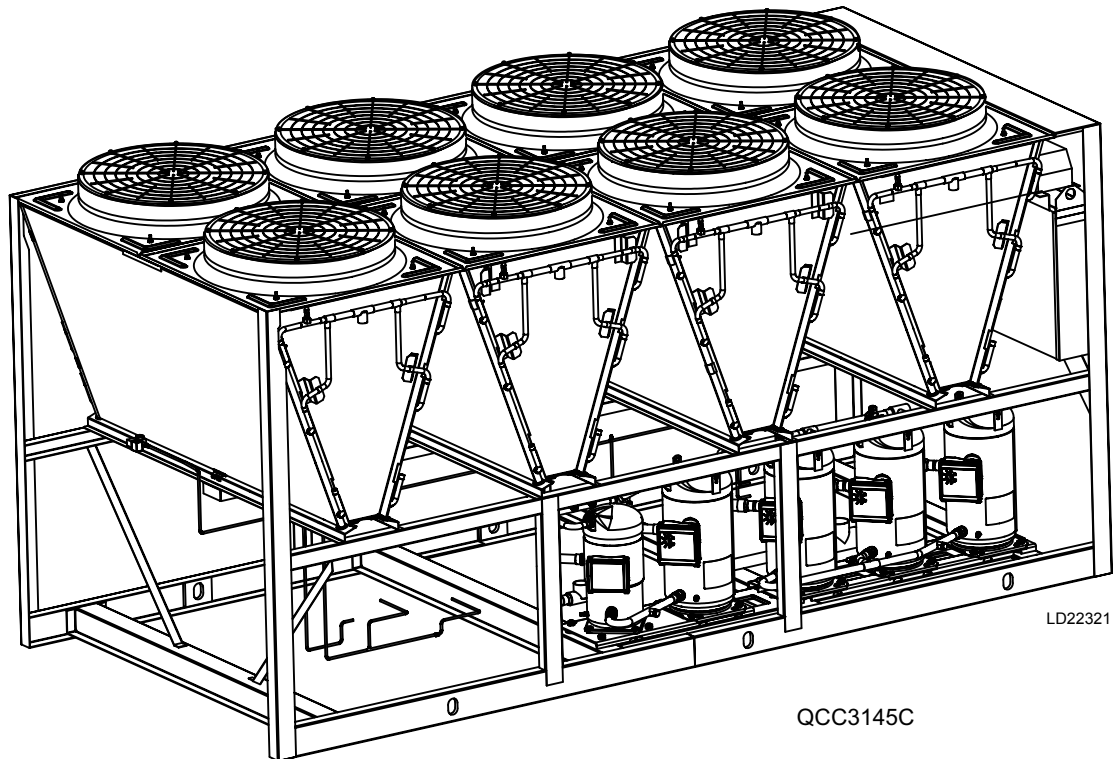
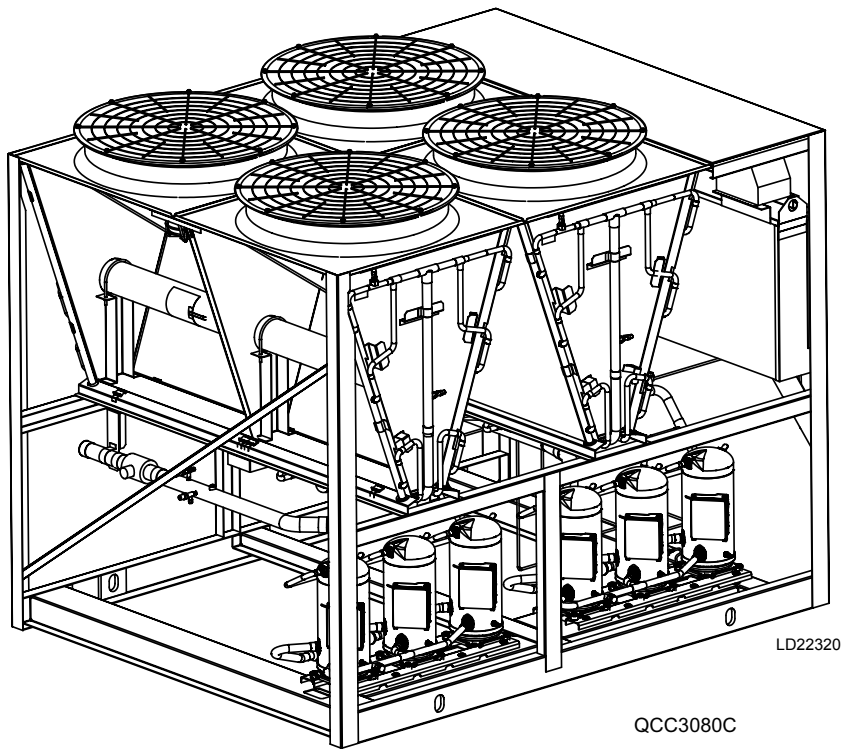


FIGURE 7 - COMPRESSOR LAYOUTS (REFER TO TABLE 6 ON PAGES 15 AND 16)

COMPRESSOR (CONT'D)

TABLE 6 - COMPRESSOR PART NUMBERS - R-410A

MODEL	VOLTAGE CODE	SYSTEM #1 COMPRESSOR				SYSTEM #2 COMPRESSOR				
		PART #	MODEL #	QTY	PART #	MODEL #	QTY	PART #	MODEL #	QTY
QCC3080C	-17	015-04055-101	ZP154KCE	3	015-04055-101	ZP154KCE	3	N/A	N/A	N/A
	-28	015-04055-101		3	015-04055-101		3			
	-40	015-04055-102		3	015-04055-102		3			
	-46	015-04055-104		3	015-04055-104		3			
	-58	015-04055-105		3	015-04055-105		3			
QCC3085C	-17	015-04045-101	ZP180KCE	3	015-04055-101	ZP154KCE	3	N/A	N/A	N/A
	-28	015-04045-101		3	015-04055-101		3			
	-40	015-04045-102		3	015-04055-102		3			
	-46	015-04045-104		3	015-04055-104		3			
	-58	015-04045-105		3	015-04055-105		3			
QCC3090C	-17	015-04045-101	ZP180KCE	3	015-04052-101	ZP385KCE	1	015-04045-101	ZP180KCE	1
	-28	015-04045-101		3	015-04052-101		1	015-04045-101		1
	-40	015-04045-102		3	015-04052-102		1	015-04045-102		1
	-46	015-04045-104		3	015-04052-104		1	015-04045-104		1
	-58	015-04045-105		3	015-04052-105		1	015-04045-105		1
QCC3100C	-17	015-04052-101	ZP385KCE	2	015-04045-101	ZP180KCE	2	N/A	N/A	N/A
	-28	015-04052-101		2	015-04045-101		2			
	-40	015-04052-102		2	015-04045-102		2			
	-46	015-04052-104		2	015-04045-104		2			
	-58	015-04052-105		2	015-04045-105		2			

NOTE: See Figure 7 on Page 14.

COMPRESSOR (CONT'D)

TABLE 6 – COMPRESSOR PART NUMBERS - R-410A (SEE FIGURE 7 ON PAGE 14) (CONT'D)

MODEL	VOLTAGE CODE	SYSTEM #1 COMPRESSOR			SYSTEM #2 COMPRESSOR				
		PART #	MODEL #	QTY	PART #	MODEL #	QTY	PART #	MODEL #
QCC3110C	-17	015-04045-101	ZP180KCE	3	015-04052-101	ZP385KCE	2	N/A	N/A
	-28	015-04045-101		3	015-04052-101		2		
	-40	015-04045-102		3	015-04052-102		2		
	-46	015-04045-104		3	015-04052-104		2		
	-58	015-04045-105		3	015-04052-105		2		
QCC3130C	-17	015-04052-101	ZP385KCE	2	015-04052-101	ZP385KCE	2	N/A	N/A
	-28	015-04052-101		2	015-04052-101		2		
	-40	015-04052-102		2	015-04052-102		2		
	-46	015-04052-104		2	015-04052-104		2		
	-58	015-04052-105		2	015-04052-105		2		
QCC3145C	-17	015-04052-101	ZP385KCE	3	015-04052-101	ZP385KCE	1	015-04045-101	ZP180KCE
	-28	015-04052-101		3	015-04052-101		1	015-04045-101	
	-40	015-04052-102		3	015-04052-102		1	015-04045-102	
	-46	015-04052-104		3	015-04052-104		1	015-04045-104	
	-58	015-04052-105		3	015-04052-105		1	015-04045-105	
QCC3160C	-17	015-04052-101	ZP385KCE	3	015-04052-101	ZP385KCE	2	N/A	N/A
	-28	015-04052-101		3	015-04052-101		2		
	-40	015-04052-102		3	015-04052-102		2		
	-46	015-04052-104		3	015-04052-104		2		
	-58	015-04052-105		3	015-04052-105		2		

COMPRESSOR (CONT'D)

TABLE 7 - RECOMMENDED COMPRESSOR OIL TYPE

ITEM	REF.	DESCRIPTION	(6) 1 GALLON	5 GALLON
OILs	R-410A	Oil, Compressor (Type "V")	011-00948-000	011-00949-000

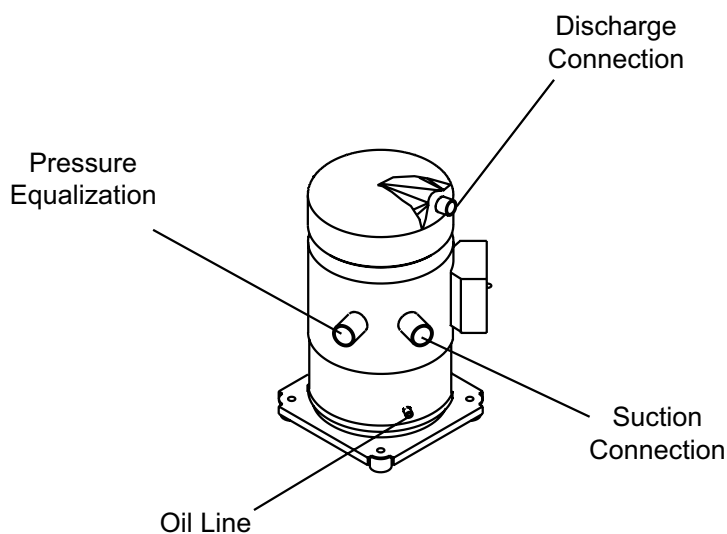
S = Recommended Spare Parts

TABLE 8 - 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 9 - COMPRESSOR COMPONENTS

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



50459-1

FIGURE 8 - COMPRESSOR (REFER TO TABLE 6 ON PAGE 15)

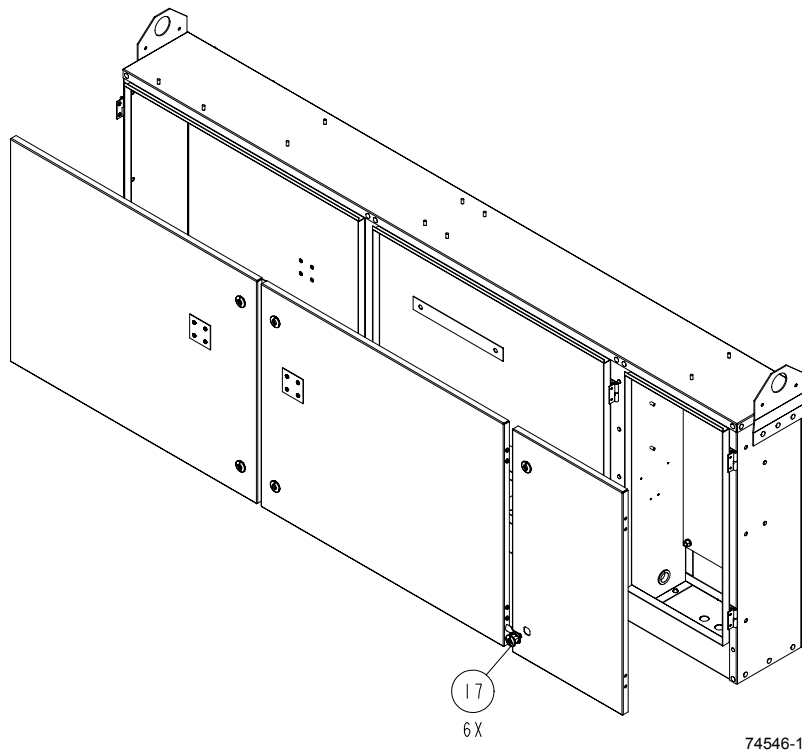
CONTROL PANEL AND POWER PANEL CONFIGURATIONS

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 AND 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	DESCRIPTION	PART NUMBER
17	Door Lock	021-32078-000
18	Key (Not Shown)	021-32231-000

FIGURE 9 - CONTROL AND POWER PANEL DOOR LOCK COMPONENTS

CONTROL PANEL AND POWER PANEL COMPONENTS

TABLE 10 - 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 Figure 10 on page 21 , then refer to the 'control and power panel components' INFORMATION (Table 11 on pages 23-29, see ALSO Figure 11 on page 22)

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)
QCC3080C	17	371-05245-101	371-05245-201	371-05245-301	371-05245-401
	28	371-05245-102	371-05245-202	371-05245-302	371-05245-402
	40	371-05245-103	371-05245-203	371-05245-303	371-05245-403
	46	371-05245-104	371-05245-204	371-05245-304	371-05245-404
	58	371-05245-105	371-05245-205	371-05245-305	371-05245-405
QCC3085C	17	371-05245-107	371-05245-207	371-05245-307	371-05245-407
	28	371-05245-108	371-05245-208	371-05245-308	371-05245-408
	40	371-05245-109	371-05245-209	371-05245-309	371-05245-409
	46	371-05245-110	371-05245-210	371-05245-310	371-05245-410
	58	371-05245-111	371-05245-211	371-05245-311	371-05245-411
QCC3090C	17	371-05246-101	371-05246-201	371-05246-301	371-05246-401
	28	371-05246-102	371-05246-202	371-05246-302	371-05246-402
	40	371-05246-103	371-05246-203	371-05246-303	371-05246-403
	46	371-05246-104	371-05246-204	371-05246-304	371-05246-404
	58	371-05246-105	371-05246-205	371-05246-305	371-05246-405
QCC3100C	17	371-05244-101	371-05244-201	371-05244-301	371-05244-401
	28	371-05244-102	371-05244-202	371-05244-302	371-05244-402
	40	371-05244-103	371-05244-203	371-05244-303	371-05244-403
	46	371-05244-104	371-05244-204	371-05244-304	371-05244-404
	58	371-05244-105	371-05244-205	371-05244-305	371-05244-405
QCC3110C	17	371-05246-107	371-05246-207	371-05246-307	371-05246-407
	28	371-05246-108	371-05246-208	371-05246-308	371-05246-408
	40	371-05246-109	371-05246-209	371-05246-309	371-05246-409
	46	371-05246-110	371-05246-210	371-05246-310	371-05246-410
	58	371-05246-111	371-05246-211	371-05246-311	371-05246-411

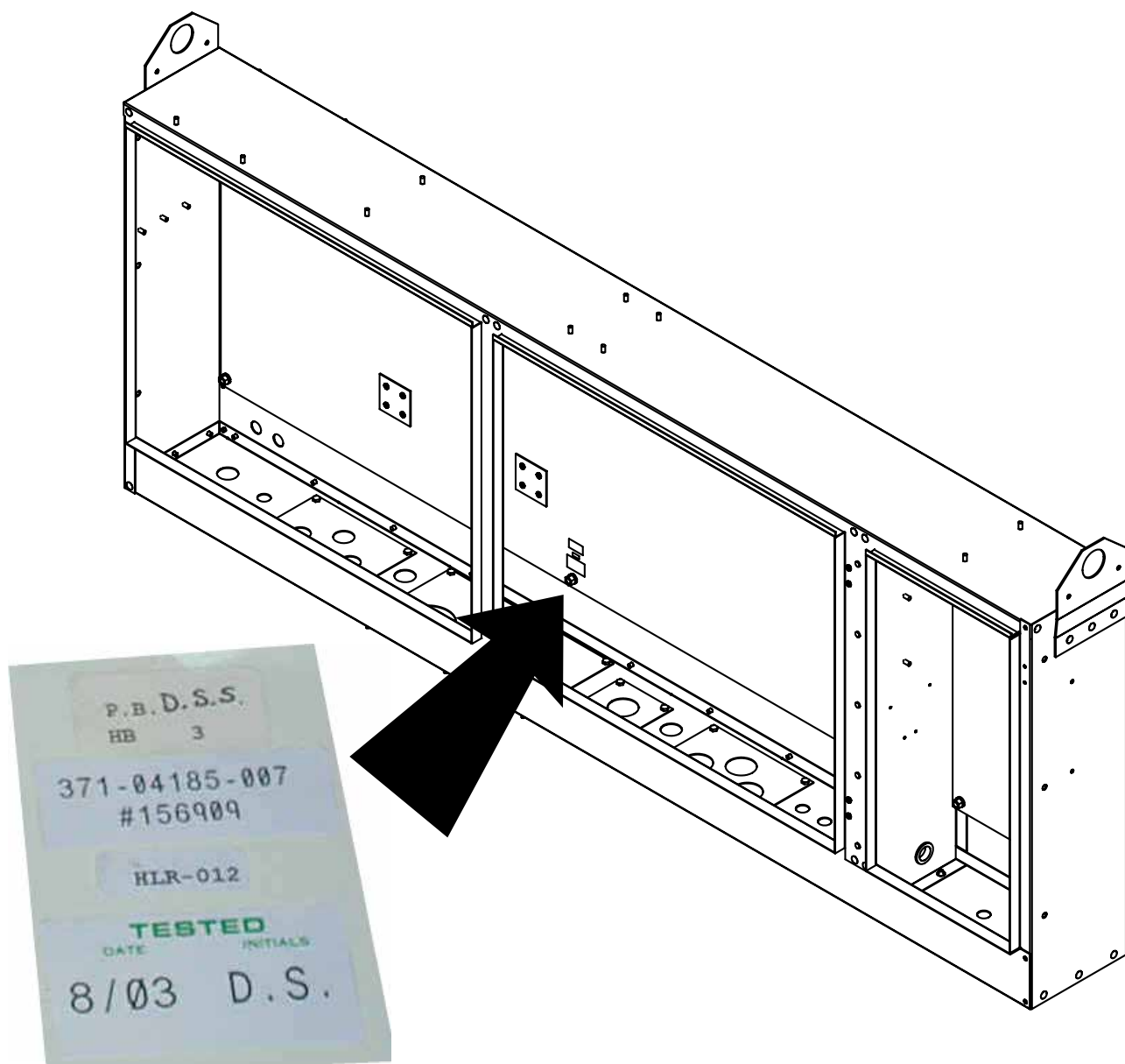
CONTROL PANEL AND POWER PANEL COMPONENTS

TABLE 10 - CONTROL PANEL AND POWER PANEL IDENTIFIERS (CONT'D)

(TO IDENTIFY replacement part numbers, SELECT PANEL IDENTIFIER number FROM THE TABLES below OR FROM THE PANEL IDENTIFIER LABEL SHOWN ON Figure 10 on page 21 , then refer to the 'control and power panel components' INFORMATION (Table 11 on pages 23-29, see ALSO Figure 11 on page 22)

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)
QCC3130C	17	371-05244-107	371-05244-207	371-05244-307	371-05244-407
	28	371-05244-108	371-05244-208	371-05244-308	371-05244-408
	40	371-05244-109	371-05244-209	371-05244-309	371-05244-409
	46	371-05244-110	371-05244-210	371-05244-310	371-05244-410
	58	371-05244-111	371-05244-211	371-05244-311	371-05244-411
QCC3145C	17	371-05246-113	371-05246-213	371-05246-313	371-05246-413
	28	371-05246-114	371-05246-214	371-05246-314	371-05246-414
	40	371-05246-115	371-05246-215	371-05246-315	371-05246-415
	46	371-05246-116	371-05246-216	371-05246-316	371-05246-416
	58	371-05246-117	371-05246-217	371-05246-317	371-05246-417
QCC3160C	17	371-05246-119	371-05246-219	371-05246-319	371-05246-419
	28	371-05246-120	371-05246-220	371-05246-320	371-05246-420
	40	371-05246-121	371-05246-221	371-05246-321	371-05246-421
	46	371-05246-122	371-05246-222	371-05246-322	371-05246-422
	58	371-05246-123	371-05246-223	371-05246-323	371-05246-423

POWER PANEL COMPONENTS



74546-3

***SERVICE NOTE:**

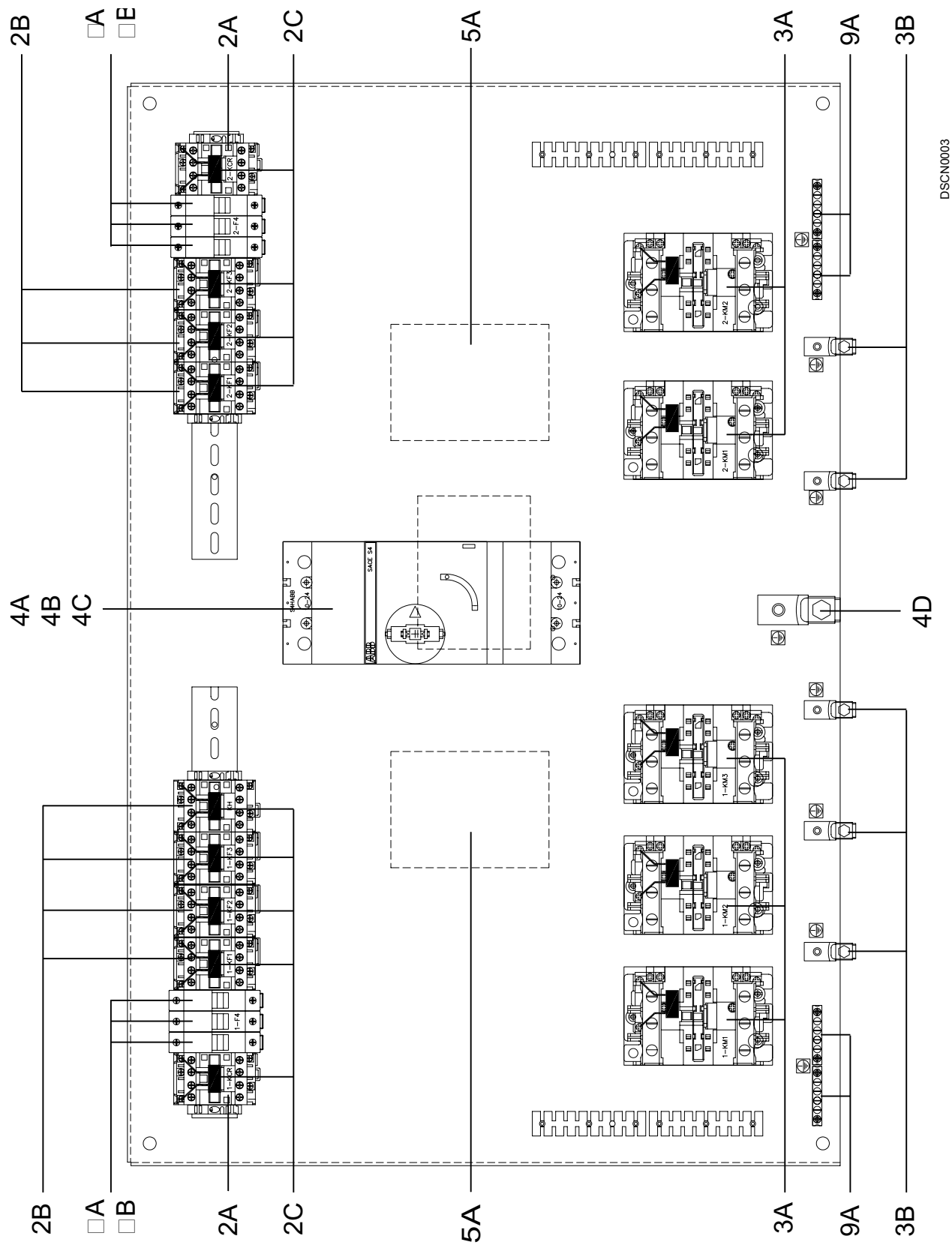
Locate the PANEL NUMBER sticker on the bottom, center of the power panel, see Figure 10 on page 21, then refer to the appropriate parts list on Table 11 on page 23 for the panel components.

NOTE #1:

Lug Kits for Circuit Breakers or Non-Fused Disconnect Switches - See LUG KIT TABLE on Page 30.

FIGURE 10 - PANEL PART NUMBER STICKER - (REFER TO TABLE 11 ON PAGES 23-29)

POWER PANEL COMPONENTS (CONT'D)



POWER PANEL COMPONENTS (CONT'D)

TABLE 11 - POWER PANEL COMPONENTS - QCC3080C

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	371-05245-20x	371-05245-30x	371-05245-40x
			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)**
		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
	6	Compressor Contactor (-17)	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
3A	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
	1	Terminal Block	025-39410-000	N/A	N/A	N/A
		Circuit Breaker (-17 & -28)	N/A	N/A	025-34424-000	N/A
4A	1	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, -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 33			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

^s Recommended Spare Part
NOTE: See Figure 10 on Page 21

****Service Note:**

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

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

***Service Note:**

Locate the PANEL PART NUMBER sticker on the upper right hand corner of the power panel, see Figure 10, Page 21, then refer to the appropriate parts list for that number.

POWER PANEL COMPONENTS (CONT'D)

TABLE 12 - POWER PANEL COMPONENTS - QCC3085C

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	371-05245-20x	371-05245-30x	371-05245-40x
			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)**
		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
	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)**
3A	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
	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
4A		Non-Fused Disc. Sw. (-17 & -28)	N/A	024-30965-000	N/A	024-30965-000
	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
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 33			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

^s Recommended Spare Part
NOTE: See Figure 10 on Page 21

****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 upper right hand corner of the power panel, see Figure 10 on Page 21, then refer to the appropriate parts list for that number.

POWER PANEL COMPONENTS (CONT'D)

TABLE 13 - POWER PANEL COMPONENTS - QCCC3090C

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 024-35526-000	371-05246-20x 024-35526-000	371-05246-30x 024-35526-000	371-05246-40x 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	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)**
3B	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)**
	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
		Non-Fused Disc. Sw. (-40)	N/A	024-30964-000	N/A	024-30964-000
4B		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
		Safety Cover (use w/ TB -40, -46 & -58)	025-39393-000			
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 33			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

^s Recommended Spare Part

NOTE: See Figure 10 on Page 21

****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

***Service Note:**

Locate the PANEL PART NUMBER sticker on the upper right hand corner of the power panel, see Figure 10, Page 21, then refer to the appropriate parts list for that number.

POWER PANEL COMPONENTS (CONT'D)

TABLE 14 - POWER PANEL COMPONENTS - QCC3100C

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 024-35526-000	371-05244-20x 024-35526-000	371-05244-30x 024-35526-000	371-05244-40x 024-35526-000
2B^S	6	Fan Contactor (-17, -28 & -40)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
2C	13	Fan Contactor (-46 & -58)	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**
		Surge Suppressor	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
		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
		Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34424-000	N/A
4B	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
4C	3	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
4D	1	Oper. Mech. (use w/ CB or NFDS)	N/A	024-31878-000	024-31878-000	024-31878-000
5A	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
	1	Ind. Sys. Circuit Breaker (Sys. 1)	N/A	N/A	N/A	025-34419-000
8A	1	Ind. Sys. Circuit Breaker (Sys. 2)	N/A	N/A	N/A	025-34419-000
	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse	See Fuse Table on Page 33			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

NOTE: See Figure 10 on Page 21

***Service Note:**

Locate the PANEL PART NUMBER sticker on the upper right hand corner of the power panel, see Figure 10 on Page 21, 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 15 - POWER PANEL COMPONENTS - QCC3130C

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 024-35526-000	371-05244-20x 024-35526-000	371-05244-30x 024-35526-000	371-05244-40x 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	Fan Contactor (-40)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
2C	6	Fan Contactor (-46 & -58)	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**	024-35441-000 (9A)**
	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)**
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
		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
		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		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
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	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
8A	2	Ind. Sys. Circuit Breaker (-40, -46 & -58)	N/A	N/A	N/A	025-34419-000
	2	Fuse Holder	025-37863-000	025-37863-000	025-37863-000	025-37863-000
8B	6	Fuse	See Fuse Table on Page 33			
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

NOTE: See Figure 10 on Page 21

****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

***Service Note:**

Locate the PANEL PART NUMBER sticker on the upper right hand corner of the power panel, see Figure 10, Page 21, then refer to the appropriate parts list for that number.

POWER PANEL COMPONENTS (CONT'D)

TABLE 16 - POWER PANEL COMPONENTS - QCC3145C

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			371-05246-10x	371-05246-20x	371-05246-30x	371-05246-40x	
	3	Fan Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	
2B ^S	3	Fan Contactor (-17 & -28)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	
	3		024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	
	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)**	
2C	6	Fan Contactor (-46 & -58)	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	
	14	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)**	
	1		024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	
	4	Compressor Contactor (-40)	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**	
	1		024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	024-35467-000 (65A)**	
	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)**	
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	025-34473-000	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	
		Non-Fused Disc. Sw. (-40)	N/A	024-30965-000	N/A	024-30965-000	
Non-Fused Disc. Sw. (-46 & -58)		N/A	024-30964-000	N/A	024-30964-000		
4B	3	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	2	Ind. Sys. Circuit Breaker (-17 & -28)	N/A	N/A	N/A	025-34424-000	
	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 33				
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	

^s Recommended Spare Part

NOTE: See Figure 10 on Page 21

***Service Note:**

Locate the PANEL PART NUMBER sticker on the upper right hand corner of the power panel, see Figure 10 on Page 21, 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 17 - POWER PANEL COMPONENTS - QCC3160C

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	4	Fan Contactor (-17 & -28)	024-35526-000	024-35526-000	024-35526-000	024-35526-000
	2		024-35447-000 (18A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
	4	Fan Contactor (-40)	024-35451-000 (25A)**	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	Fan Contactor (-46 & -58)	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**	024-35447-000 (18A)**
2C	14	Surge Suppressor	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**	024-35444-000 (12A)**
3A	5	Compressor Contactor (-17 & -28)	031-00808-000	031-00808-000	031-00808-000	031-00808-000
	5	Compressor Contactor (-40)	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**	024-34294-000 (150A)**
	5	Compressor Contactor (-46 & -58)	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**	024-35473-000 (95A)**
3B	5	Ground Lug	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**	024-35470-000 (80A)**
4A	1	Terminal Block (-17 & -28)	025-34088-000	025-34088-000	025-34088-000	025-34088-000
	1	Terminal Block (-40, -46 & -58)	025-32536-000	N/A	N/A	N/A
	1	Circuit Breaker (-17 & -28)	025-34910-000	N/A	N/A	N/A
4B	1	Circuit Breaker (-40, -46 & -58)	N/A	N/A	025-34473-000	N/A
	1	Non-Fused Disc. Sw. (-17 & -28)	N/A	N/A	025-34424-000	N/A
	3	Non-Fused Disc. Sw. (-40, -46 & -58)	N/A	024-31889-000	N/A	024-31889-000
4C	1	Safety Cover (use w/ TB -17 & -28)	025-39397-000	024-30965-000	N/A	024-30965-000
	1	Safety Cover (use w/ TB -40, -46 & -58)	025-39393-000	N/A	N/A	N/A
	1	Oper. Mech. (use w/ CB or NFDS)	N/A	N/A	N/A	N/A
4D	1	Ground Lug	024-31878-000	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
	1	Ind. Sys. Circuit Breaker (-40, -46 & -58)	N/A	N/A	N/A	025-34424-000
	1	Ind. Sys. Circuit Breaker (-40, -46 & -58)	N/A	N/A	N/A	025-34419-000
8A	2	Fuse Holder	N/A	N/A	N/A	025-34420-000
8B	6	Fuse	025-37863-000	025-37863-000	025-37863-000	025-37863-000
9A	4	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000

* Recommended Spare Part

NOTE: See Figure 10 on Page 21

*Service Note:

Locate the PANEL PART NUMBER sticker on the upper right hand corner of the power panel, see Figure 10, Page 21, 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		

LUG KITS AND FUSES

LUG KITS TABLE

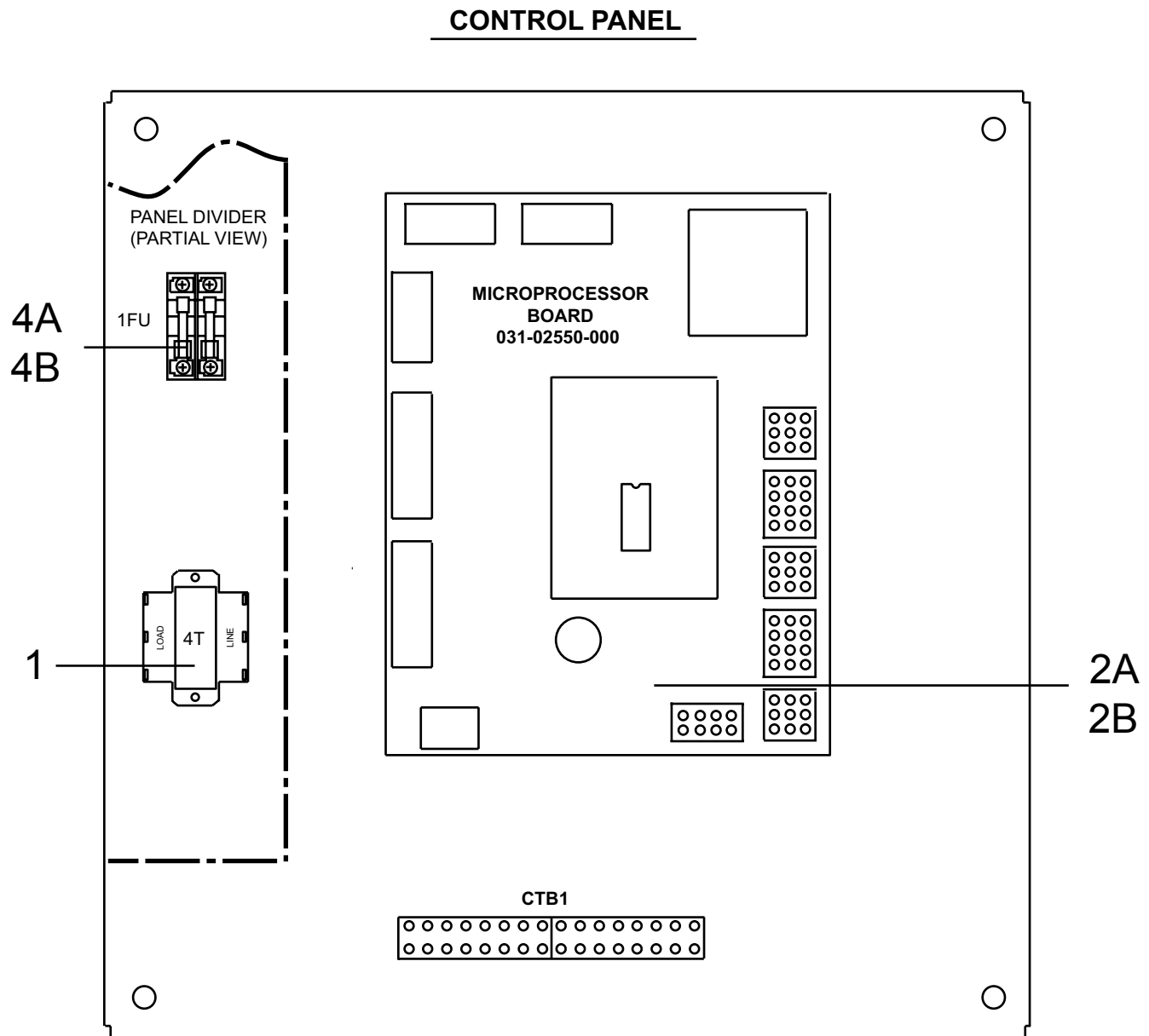
LUG KITS		LUGS PER KIT	FITS CB FRAME	AMP	WIRE SIZE	PART NUMBER
CB-0294	ABB-K4TE	3	S4	250A	#6 - 350 kCMIL	025-34418-000
CB-0295	ABB-K5TF		S5	300A	250 - 500 kCMIL	025-34481-000
CB-0296	ABB-K5TG		S5	400A	#3/0 - 250 kCMIL	025-34420-000
CB-0297	ABB-K6TH		S6	600A	250 - 500 kCMIL	025-34414-000
CB-0298	ABB-K6TJ		S6	800A	#2/0 - 400 kCMIL	025-34415-000

FUSE TABLE

FUSE		SIZE	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

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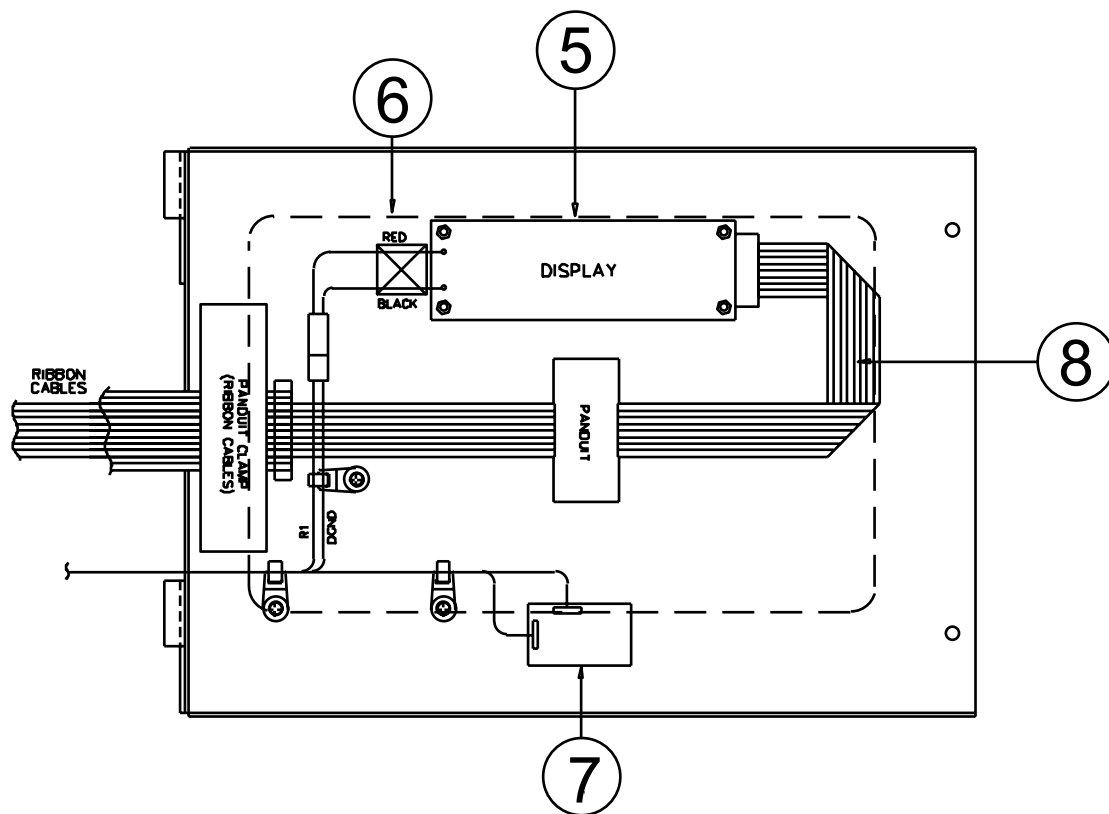
CONTROL PANEL COMPONENTS



203741-1b

FIGURE 12 - CONTROL PANEL COMPONENTS (REFER TO TABLE 18 ON PAGE 33)

CONTROL PANEL COMPONENTS (CONT'D)



DISPLAY DOOR REAR VIEW

LD05167b

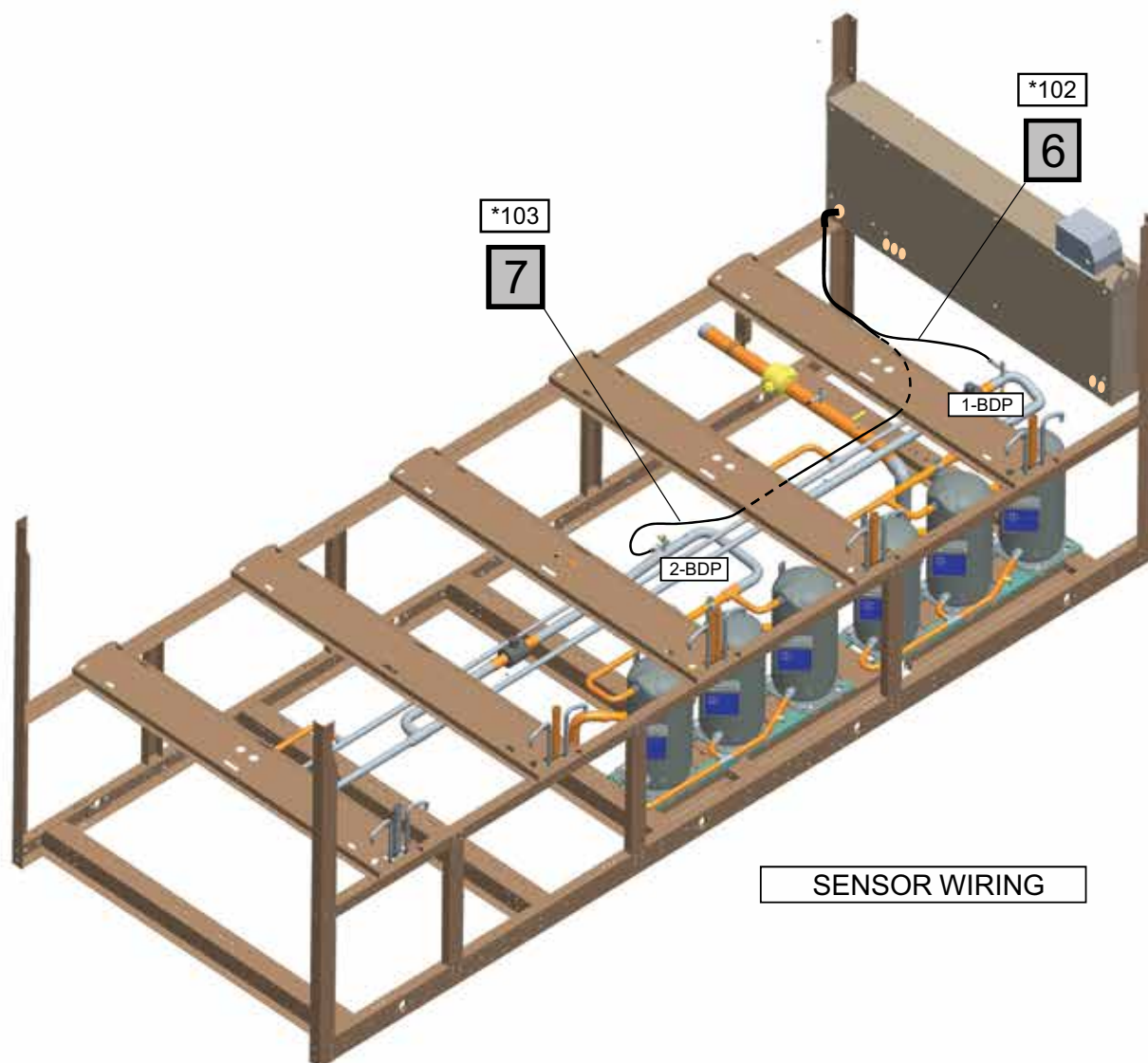
FIGURE 13 - CONTROL PANEL COMPONENTS (REFER TABLE 18 ON PAGE 33)

TABLE 18 - CONTROL PANEL COMPONENTS

ITEM	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

^SRecommended Spare Part

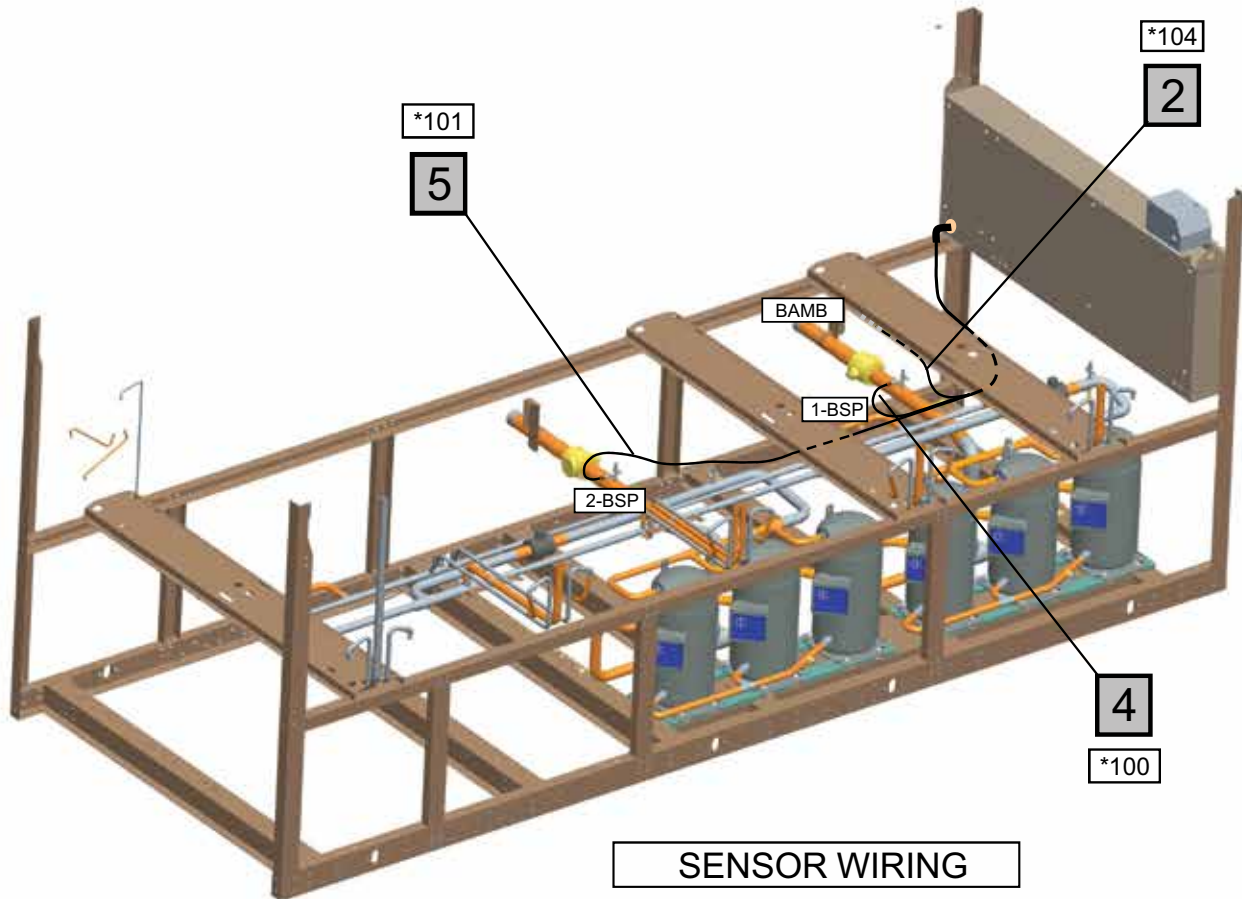
SENSOR HARNESSES



83057-001G

FIGURE 14 - HARNESS LAYOUT (REFER TO TABLES 19 AND 20 ON PAGE 36)

SENSOR HARNESSSES (CONT'D)



83057-001H

FIGURE 15 - HARNESS LAYOUT (REFER TO TABLES 19 AND 20, PAGE 36)

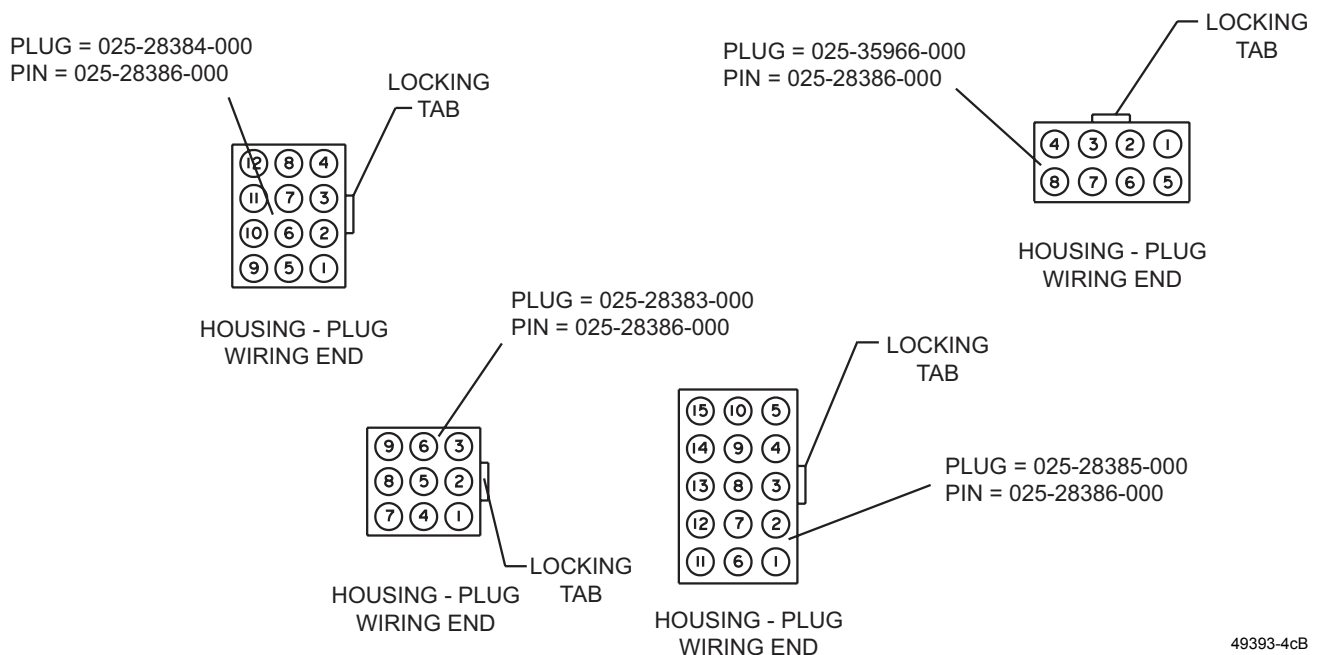


FIGURE 16 - SENSOR HOUSING & PIN SOCKET PART NUMBERS (REFER TO TABLES 19 AND 20, PAGE 36)

SENSOR HARNESSES (CONT'D)

TABLE 19 - SENSOR HARNESS WIRING - QCC3080C, 085C, 090C, 110C, 145C AND QCC3160C

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		
MICRO P9	101	5	Drain	3	System #2 Suction Pressure	575-72382-322
			Red	5		
			White	10		
			Black	9		
MICRO P18	103	7	Drain	1	System #2 Discharge Pressure	575-72382-310
			Red	2		
			White	3		
			Black	4		

TABLE 20 - SENSOR HARNESS WIRING - QCC3100C AND QCC3130C

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		
MICRO P9	101	5	Drain	3	System #2 Suction Pressure	575-72382-324
			Red	5		
			White	10		
			Black	9		
MICRO P18	103	7	Drain	1	System #2 Discharge Pressure	575-72382-303
			Red	2		
			White	3		
			Black	4		

TRANSDUCERS AND TEMP SENSORS

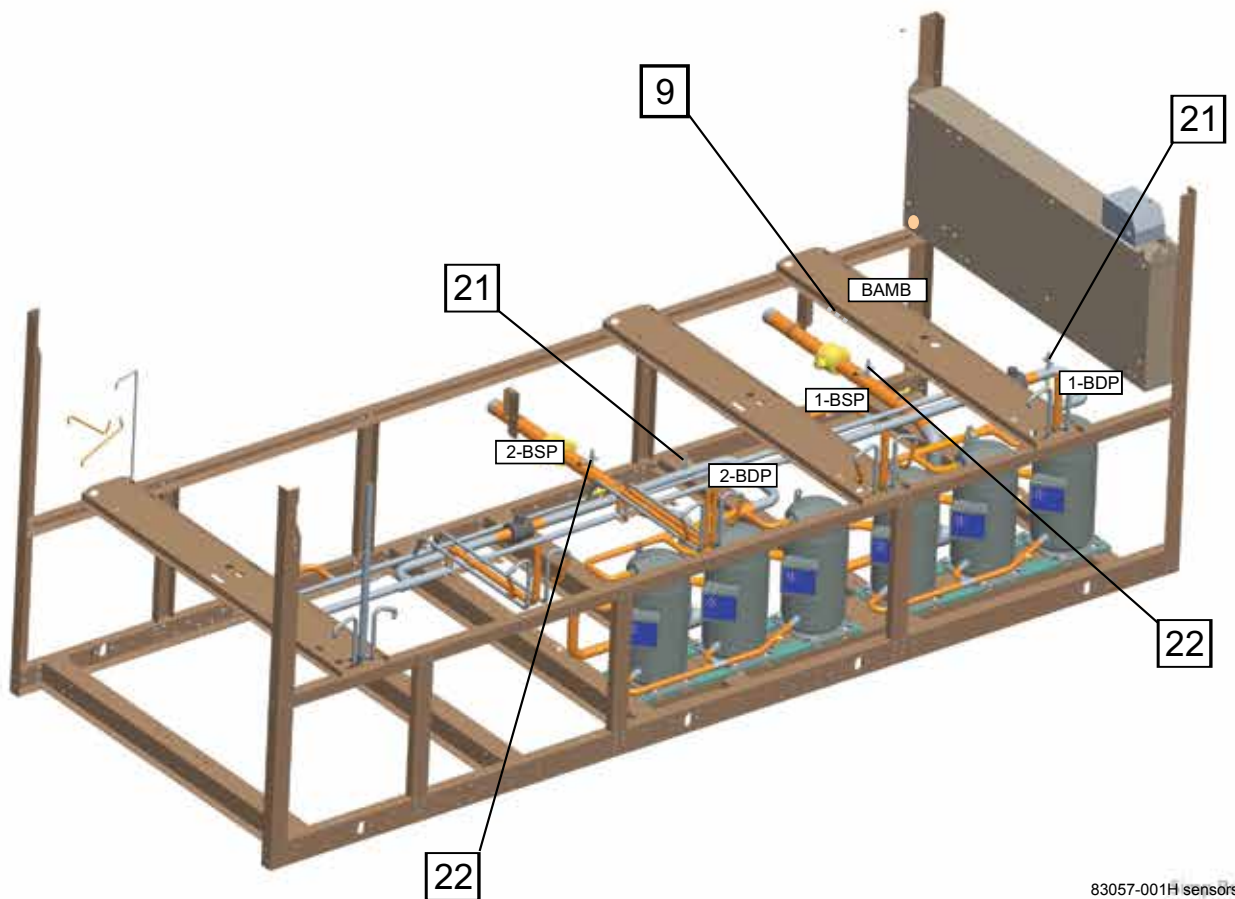


FIGURE 17 - TRANSDUCERS, PRESSURE CUTOUTS AND TEMP SENSORS

TABLE 21 - TRANSDUCERS, PRESSURE CUTOUTS AND TEMP SENSORS

ITEM	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

TRANSDUCER AND THERMISTOR
WIRE HARNESS CONNECTORS - FIELD
REPLACEMENT PART NUMBERS

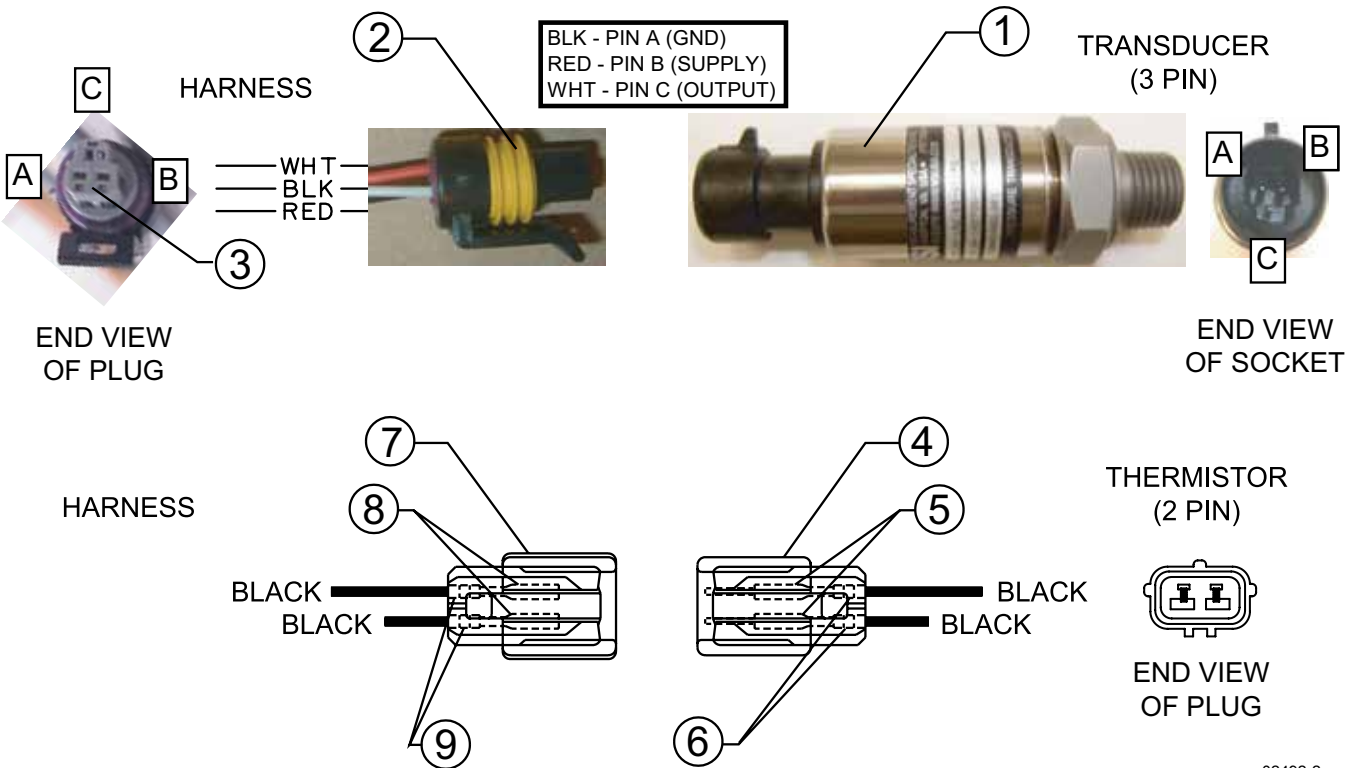


FIGURE 18 - TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS

TABLE 22 - TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS

ITEM	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 23 - VIBRATION ISOLATORS PART NUMBERS

ONE INCH DEFLECTION SPRING ISOLATOR CROSS REFERENCE*				
WEIGHT RANGE (LBS.)	WEIGHT RANGE (KG.)	VENDOR PART NUMBER	COLOR	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	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	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	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.

QCC3 CHILLER OPTIONS - KITS

TABLE 24 - FIELD INSTALLED OPTIONS PART NUMBERS

MODEL NUMBER	CHICAGO RELIEF CODE KIT*	DEHYDRATOR KIT	LOW AMBIENT KIT**	ACOUSTIC SOUND BLANKET KIT***	HOTGAS BY-PASS SOLENOID KIT
MODEL #	375-76511	475-89386	375-	310-06507	375-83290
080C	N/R	-001	84897-201 (-17 and -28 Voltage Codes)	-724	-100
085C	-001			-725	-300
090C				-726	
100C				-727	-400
110C			-728		
130C				-500	
145C		-002	N/R	-200	-700
160C					

* **NOTE:** Chicago Relief Valve Only: 022-10682-001

** **NOTE:** Low Ambient Kit VFD Only:
208 Volt = 024-35393-002
460 Volt = 024-35393-001

*****NOTE:** One Kit Per Chiller.

TABLE 25 - CONTROL TRANSFORMER KIT

MODEL NUMBERS	VOLTAGE	DESCRIPTION	KIT PART NUMBER	XFMR ONLY
QCC3080C-QCC3160C	-17	Kit, Control Transformer 2.0 KVA	375-76528-101	025-29627-001
	-28		375-76528-102	025-29627-002
	-40		375-76528-103	025-29627-003
	-46		375-76528-104	025-29627-002
	-58		375-76528-105	025-29627-004

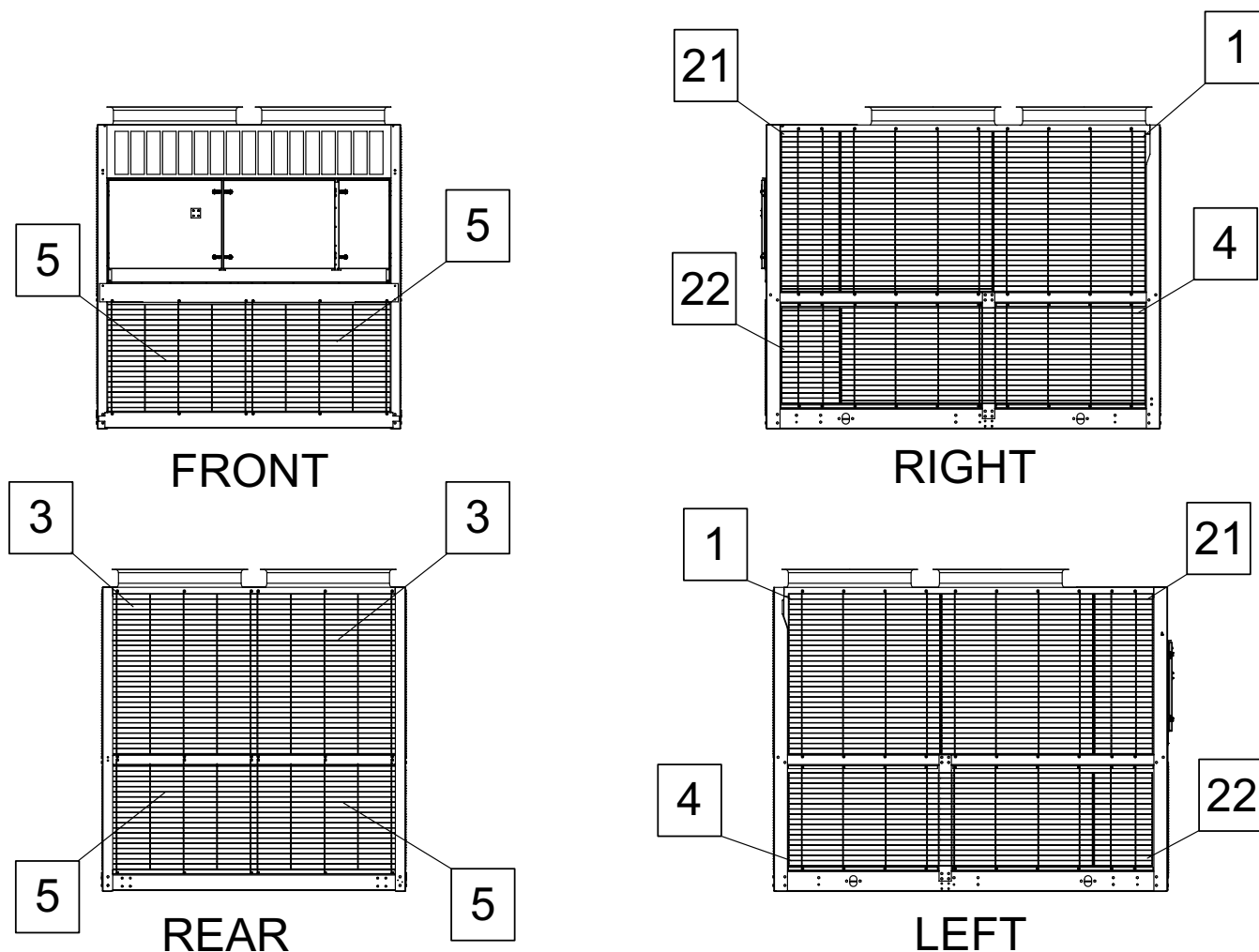
ENCLOSURE KIT OPTIONS

TABLE 26 - ENCLOSURE KIT OPTIONS

MODEL	WIRE ENCLOSURE	LOUVERED ENCLOSURE	WIRE / LOUVERED ENCLOSURE	LOUVERED ENCLOSURE CONDENSER ONLY	LOUVERED ENCLOSURE HAIL GUARD ONLY
080C	475-75917-301	475-75918-301	475-75917-303	475-75918-303	475-75918-104
085C					
090C					
100C	475-75917-201	475-75918-201	475-75917-203	475-75918-203	
110C					
130C					
145C	475-75917-101	475-75918-101	475-75917-103	475-75918-103	
160C					

NOTE: See Figures 19-20 on Pages 42-43.

ENCLOSURE KIT OPTIONS (CONT'D)



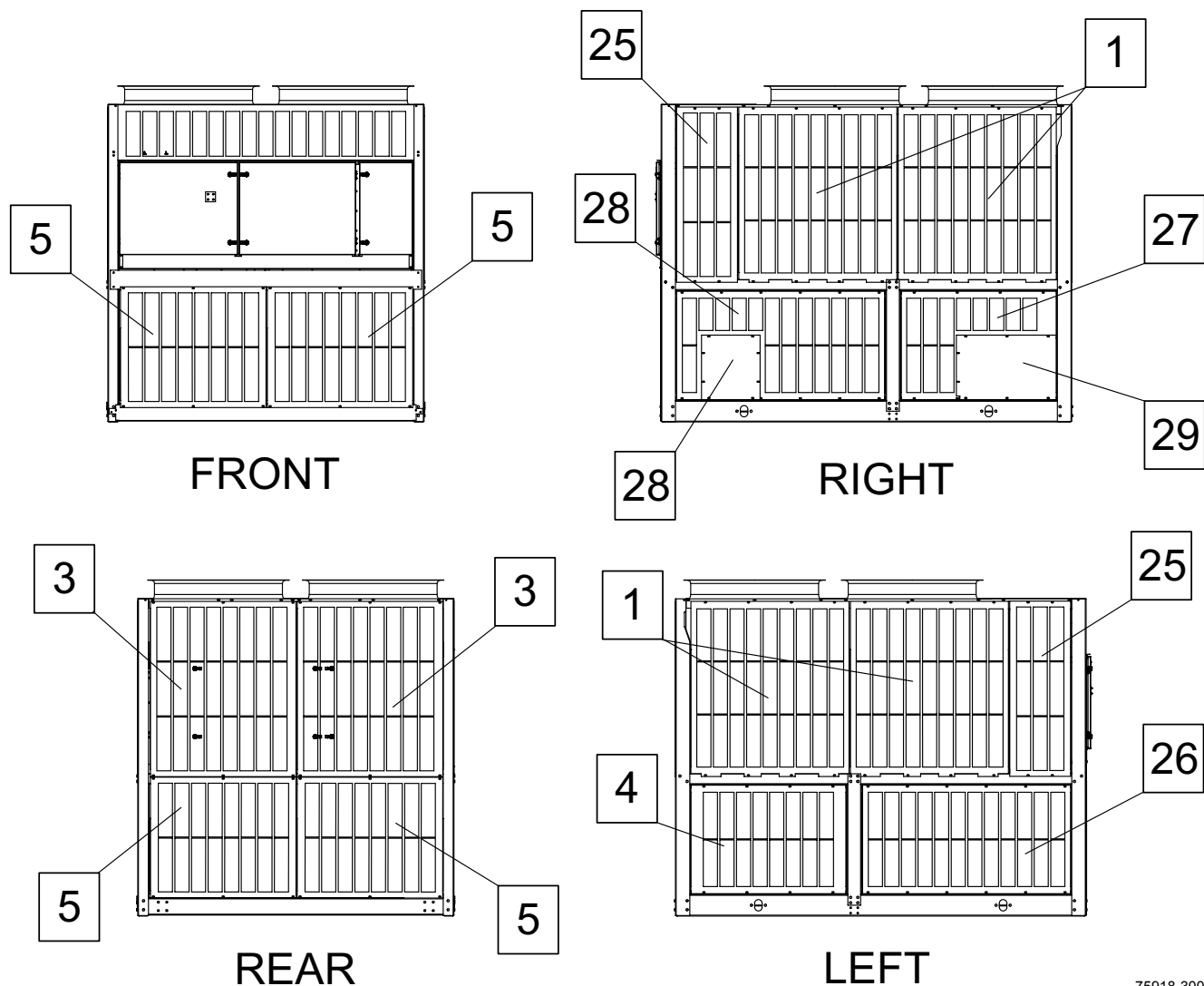
75917-300-1

FIGURE 19 - WIRE ENCLOSURE - MODELS QCC3080C, QCC3085C AND QCC3090C SHOWN

TABLE 27 - WIRE ENCLOSURE

WIRE ENCLOSURE		QCC3080C, 085C AND QCC3090C		QCC3100C, 110C AND QCC3130C		QCC3145C AND QCC3160C	
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)



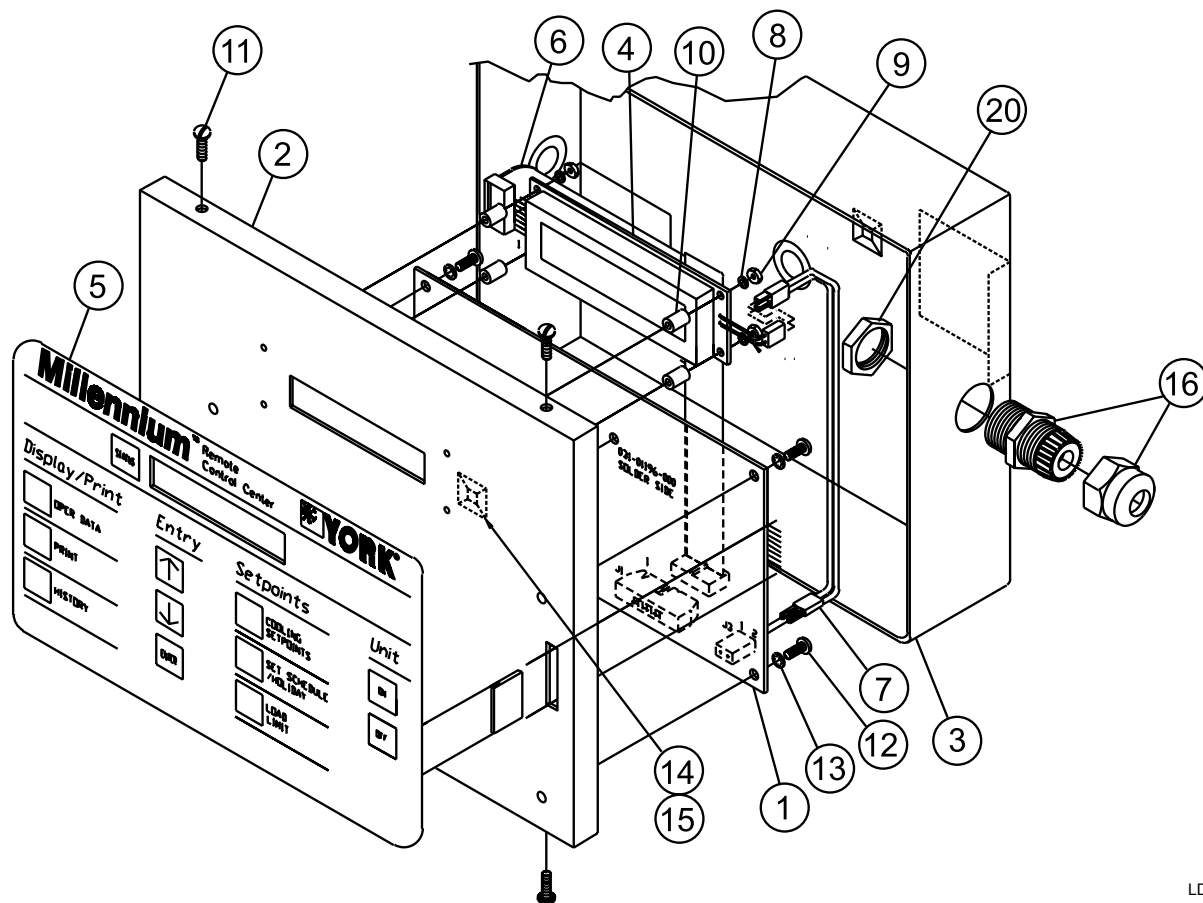
75918-300-1

FIGURE 20 - LOUVERED ENCLOSURE

TABLE 28 - LOUVERED ENCLOSURE

WIRE ENCLOSURE		QCC3080C, 085C AND QCC3090C		QCC3100C, 110C AND QCC3130C		QCC3145C AND QCC3160C	
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

REMOTE CONTROL CENTER



LD05855

FIGURE 21 - REMOTE CONTROL CENTER

TABLE 29 - REMOTE CONTROL CENTER PARTS - 371-02485-104 (60HZ)

ITEM	QTY	DESCRIPTION	PART NUMBER
1	1	Control, Microboard	031-01196-000
2	1	Cover, Remote Control	371-02485-311
3	1	Base, Remote Control	071-02485-320
4	1	Display, LCD	031-01110-000
5	1	Switch, Keypad	024-30930-000
6	1	Ribbon Cable	071-01289-211
7	1	Wire Cable	071-01289-212
10	4	Spacer, Nylon 1/4 Od X 7/16 Long	021-17575-000
11	1	Transformer	025-29917-002
14	3	Cable Tie	025-25155-000
15	1	Eprom	031-02016-003
16	1	Cable Fitting	025-05701-000
17	2	Insulator, Recipak Rooftop	071-01730-000
18	2	Module, Lan Transient Protection (LTP)	031-01586-000
19	1	Installation Instructions	071-01289-002
20	1	Nut, Locking, Heyco - 3232	025-31732-000
21	1	Operator's Manual	150.62-NM1

RECOMMENDED SPARE PARTS

Model QCC3 Styles A and B Air Cooled Hermetic Scroll Chillers Suggested Spare Parts List for Critical Duty Applications

TABLE 30 - RECOMMENDED SPARE PARTS - QCC3080C-QCC3160C CHILLERS

PAGE REFERENCE AND ITEM NUMBER	DESCRIPTION	MODELS	PART NUMBER
Page 10, Item 1	Fan Motor (Standard)	-17	024-27322-103
		-28	024-27322-106
		-40	024-27322-104
		-46	024-27322-107
		-58	024-27322-102
Page 10, Item 1	Fan Motor (Low Noise)	-17	024-34980-002
		-28	024-34980-002
		-40	024-34980-005
		-46	024-34980-001
		-58	024-34980-003
Page 10, Item 2	Fan Blade (Standard)	All	026-35605-000
	Fan Blade (Low Noise)	All	026-45002-000
Page 17, Item OIL	Oil, Compressor (Type 'V')	R-410A	011-00948-000
Pages 23-29, Item 2A	Fan Control Relay	All	See Table 11
Pages 23-29, Item 2B	Fan Contactor	All	See Table 11
Page 33, Item 2A	Micro / IO Board Kit	All	331-02550-101
Page 33, Item 2B	Flashcard	All	031-02755-003
Page 37, Item 1	Sensor, Outside Air Temperature	All	025-28663-001
Page 37, Item 2	Sensor, Entering Water Temperature	All	025-29964-000
Page 37, Item 3	Sensor, Leaving Water Temperature	All	025-29964-000
Page 37, Item 20	Transducer, Suction Pressure (0-400psi)	All	025-41756-002
Page 37, Item 21	Transducer, Discharge Pressure (0-650psi)	All	025-41756-003
Page 37, Item 42	Sensor, Discharge Temperature	All	025-28935-000

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

