

 BY JOHNSON CONTROLS	AIR-COOLED LIQUID CHILLERS HERMETIC SCROLL	
RENEWAL PARTS	Supersedes: 150.63-RP7 (211)	Form 150.63-RP7 (114)

**MODEL YCUL0020, 0024, 0031, 0035, 0045, 0051, 0055,
0065 AND 0072
STYLE E**



YCUL_Chiller_P3



**R-134A
15 - 80 TON
53 - 218 KW
50HZ AND 60 HZ**



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

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

Issue Date:
 January 8, 2014



IMPORTANT!

READ BEFORE PROCEEDING!

GENERAL SAFETY GUIDELINES

This equipment is a relatively complicated apparatus. During installation, operation maintenance or service, individuals may be exposed to certain components or conditions including, but not limited to: 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 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 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 this document and any referenced materials. This individual shall also be familiar with and comply with all applicable 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:



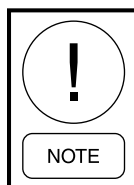
Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.



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 Johnson Controls' published specifications and must be performed only by a qualified electrician. Johnson Controls 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 Johnson Controls' policy for continuous product improvement, the information contained in this document is subject to change without notice. Johnson Controls makes no commitment to update or provide current information automatically to the manual owner. Updated manuals, if applicable, can be obtained by contacting the nearest Johnson Controls Service office or accessing the Johnson Controls QuickLIT website at <http://cgproducts.johnsoncontrols.com>.

Operating/service personnel maintain responsibility for the applicability of these documents to the equipment. If there is any question regarding the applicability of

these documents, the technician 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

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

This Replacement Parts Manual provides Johnson Controls 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 YORK 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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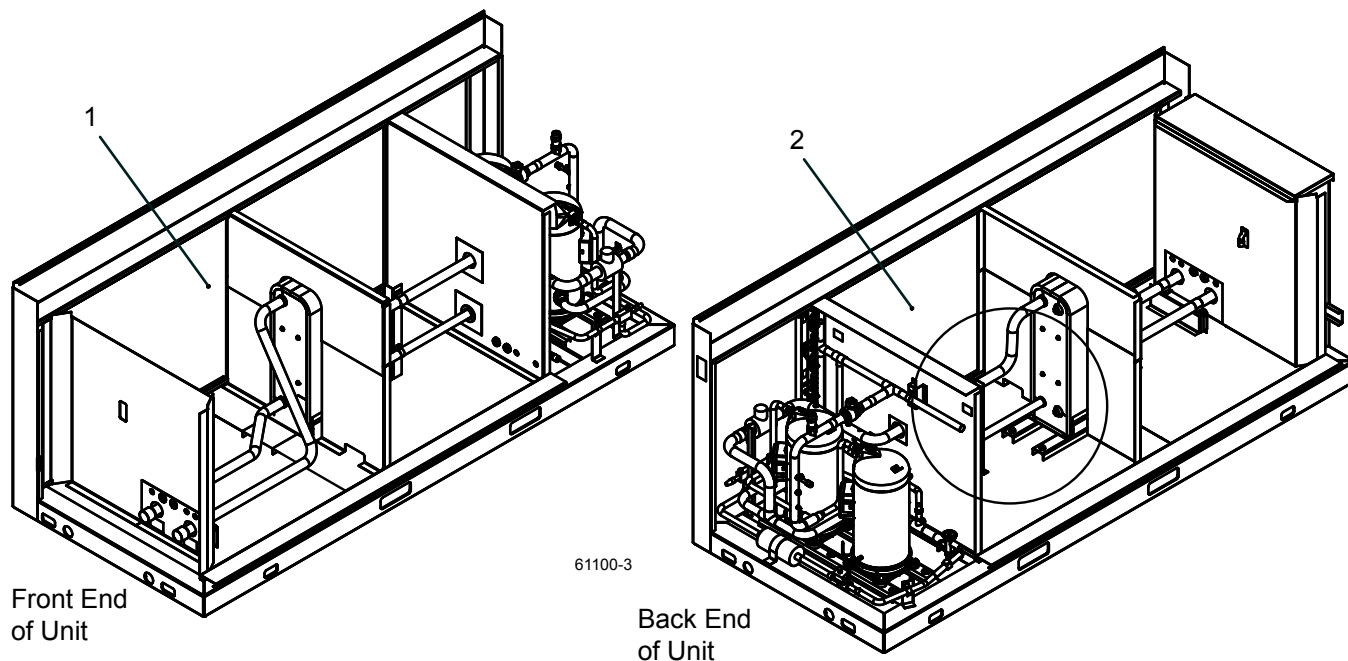
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SECTION 1 - CONDENSER COIL COMPONENTS

1



Reference Table 1 on page 7.

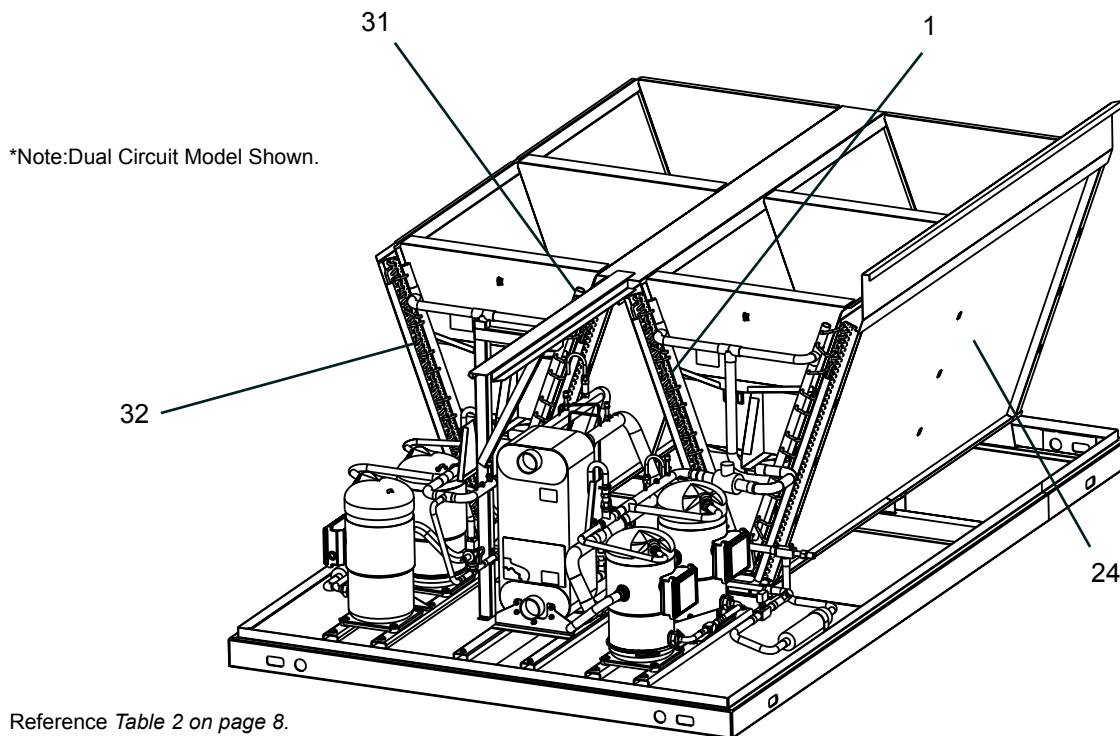
*Note: Single Circuit Model Shown.

FIGURE 1 - CONDENSER COIL LAYOUT

TABLE 1 - CONDENSER COIL COMPONENTS

ITEM NUMBER	DESCRIPTION	YCUL0020	YCUL0024	YCUL0031 AND YCUL0035	QUANTITY
ALUMINUM FIN COILS					
1	Coil Module*	375-58294-103	375-58294-203	375-58294-303	1
2		375-58294-104	375-58294-204	375-58294-304	1
COPPER COILS					
1	Coil Module*	375-58294-113	375-58294-213	375-58294-313	1
2		375-58294-114	375-58294-214	375-58294-314	1
BLACK FIN COILS					
1	Coil Module*	375-58294-123	375-58294-223	375-58294-323	1
2		375-58294-124	375-58294-224	375-58294-324	1
PHENOLIC COILS					
1	Coil Module*	375-58294-133	375-58294-233	375-58294-333	1
2		375-58294-134	375-58294-234	375-58294-334	1

*Note: Coil Module includes coil and headers. See Figure 1 on page 7.



Reference Table 2 on page 8.

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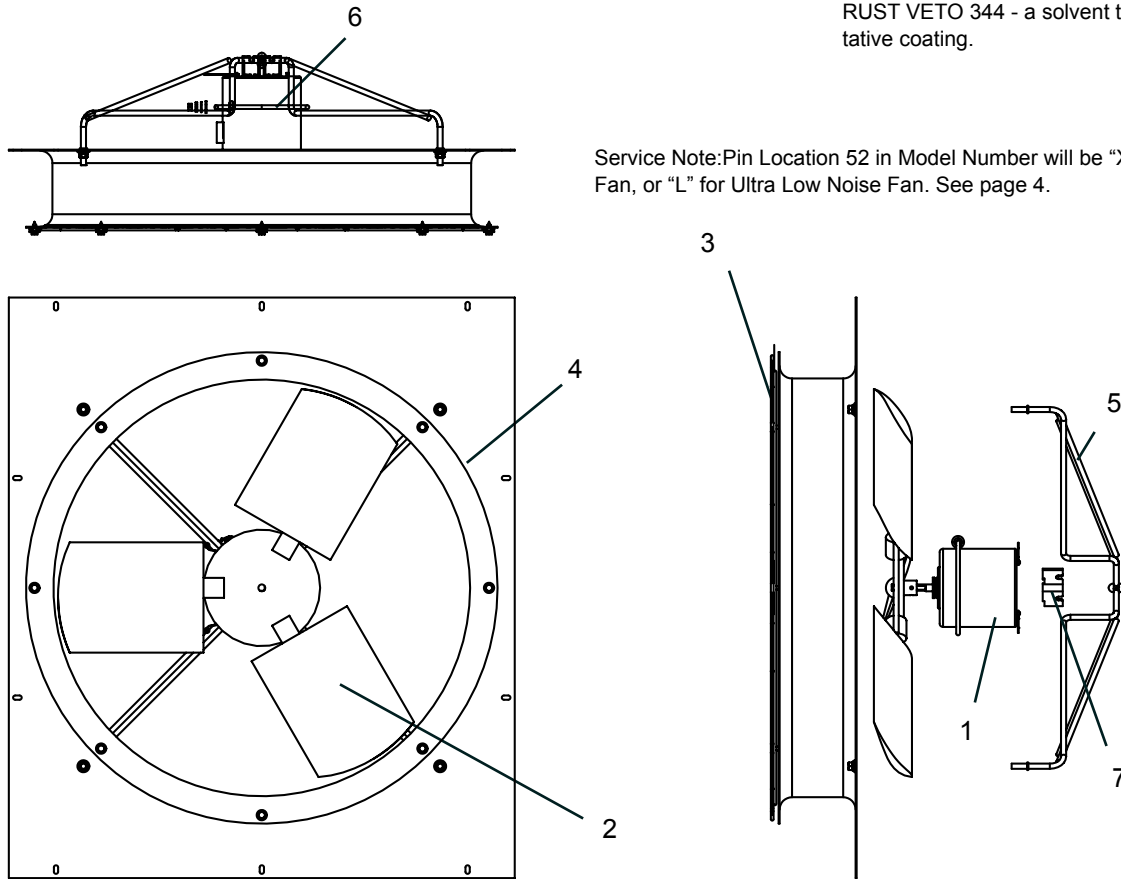
FIGURE 2 - CONDENSER COIL LAYOUT**TABLE 2 - CONDENSER COIL COMPONENTS**

ITEM NUMBER	DESCRIPTION	YCUL0045 AND YCUL0051	YCUL0055 AND YCUL0065	YCUL0072	QUANTITY
ALUMINUM FIN COILS					
1	Coil Module*	375-58294-202	375-58294-401	375-58294-501	1
24		375-58294-201	375-58294-402	375-58294-502	1
31		375-58294-205	375-58294-404	375-58294-506	1
32		375-58294-206	375-58294-403	375-58294-505	1
COPPER COILS					
1	Coil Module*	375-58294-212	375-58294-411	375-58294-511	1
24		375-58294-211	375-58294-412	375-58294-512	1
31		375-58294-215	375-58294-414	375-58294-516	1
32		375-58294-216	375-58294-413	375-58294-515	1
BLACK FIN COILS					
1	Coil Module*	375-58294-222	375-58294-421	375-58294-521	1
24		375-58294-221	375-58294-422	375-58294-522	1
31		375-58294-225	375-58294-424	375-58294-526	1
32		375-58294-226	375-58294-423	375-58294-525	1
PHENOLIC COILS					
1	Coil Module*	375-58294-232	375-58294-431	375-58294-531	1
24		375-58294-231	375-58294-432	375-58294-532	1
31		375-58294-235	375-58294-434	375-58294-536	1
32		375-58294-236	375-58294-433	375-58294-535	1

*Note: Coil Module includes (2) coils and all headers. See Figure 2 on page 8.

SECTION 2 - FAN COMPONENTS

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



Service Note: Pin Location 52 in Model Number will be "X" for Standard Fan, or "L" for Ultra Low Noise Fan. See page 4.

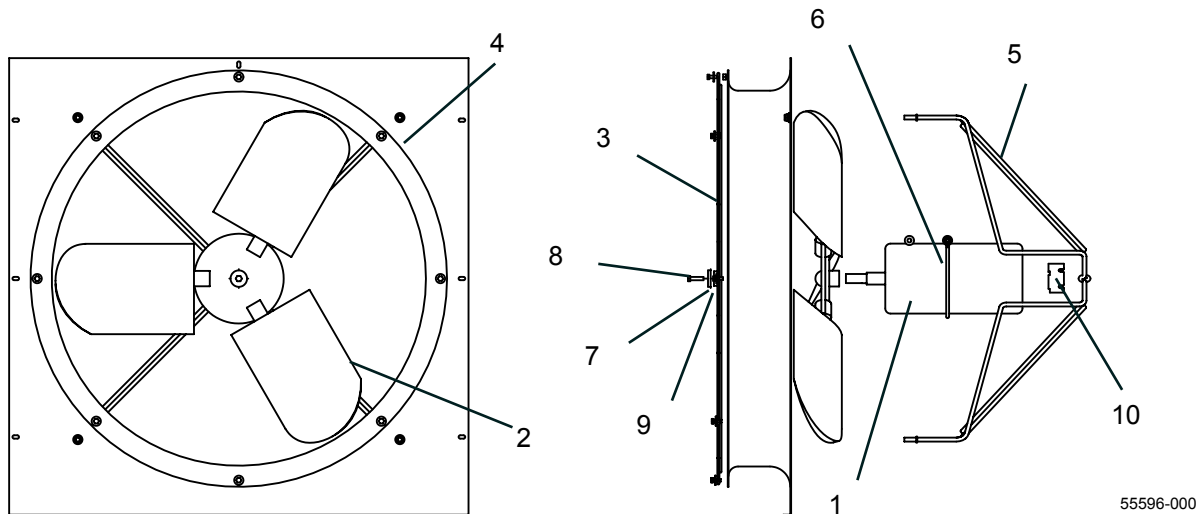
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FIGURE 3 - FAN COMPONENTS - MODELS YCUL0020 AND YCUL0024

TABLE 3 - FAN COMPONENTS - MODELS YCUL0020 AND YCUL0024

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD 7/8", 1075 RPM	ULTRA LOW NOISE 7/8", 850 RPM
1 ^s	Motor, Fan .5 HP (YCUL0020 & YCUL0024)	-17 -28 -40 -46 -50 -58	024-35427-002 024-35427-002 024-35427-004 024-35427-001 024-35427-001 024-35427-003	n/a
2 ^s	Blade	All	026-43008-000	n/a
3	Guard	All	026-37521-000	
4	Orifice	All	026-43010-000	
5	Support, Fan	All	026-43007-000	n/a
6	Support, Ring	All	026-38369-000	
7	Hub, Square	All		

^s = Recommended Spare Parts



Service Note:

Service Note: Pin Location 52 in Model Number will be "X" for Standard Fan, or "L" for Ultra Low Noise Fan. See page 4.

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

FIGURE 4 - FAN COMPONENTS - YCUL0031, 0035, 0045, 0051, 0055, 0065 & YCUL0072

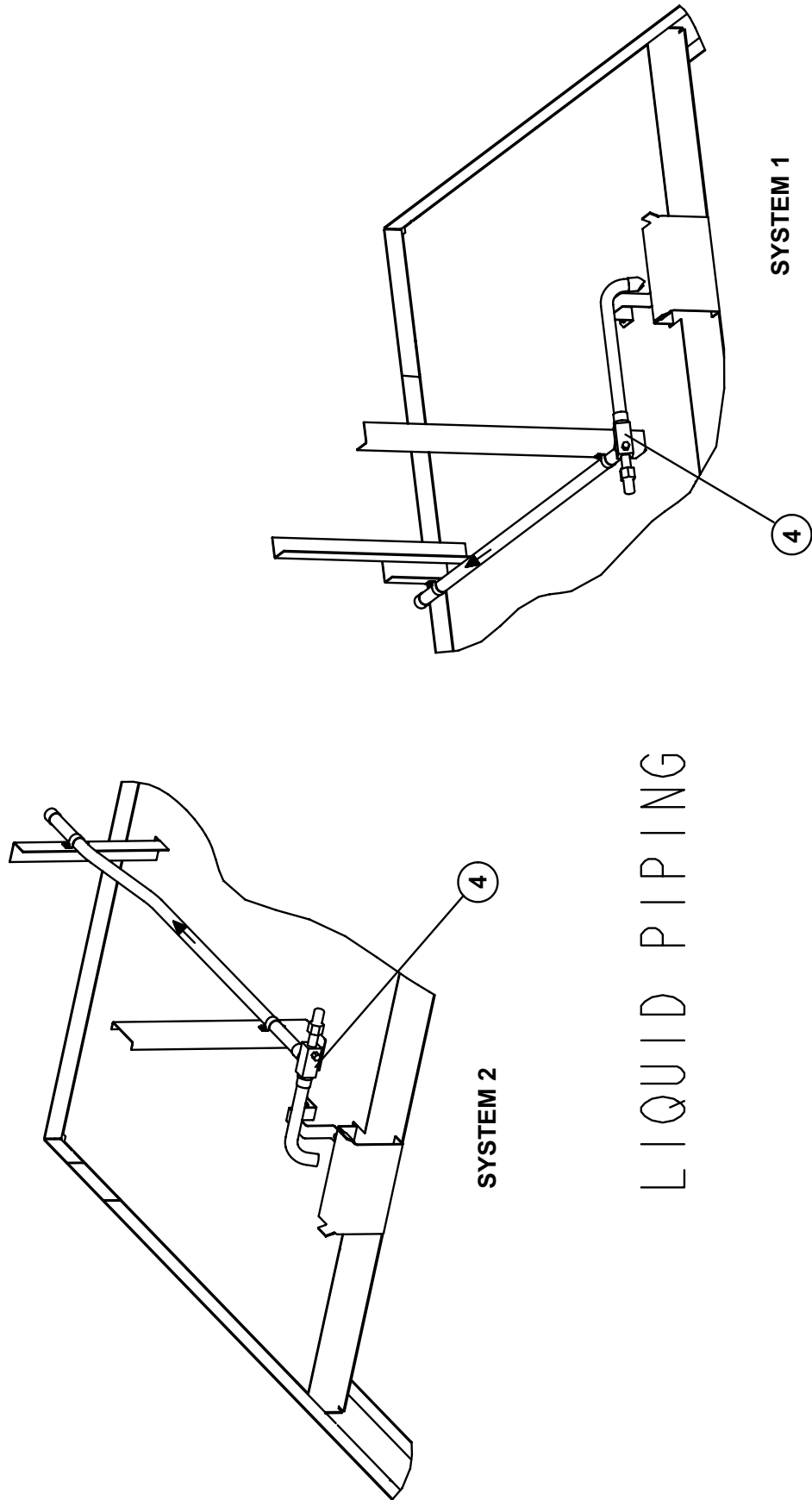
TABLE 4 - FAN COMPONENTS - YCUL0031, 0035, 0045, 0051, 0055, 0065 & YCUL0072

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD 7/8", 1150 RPM	ULTRA LOW NOISE 7/8", 850 RPM
1 ^s	Motor, Fan 2 HP (0031, 0035, 0045, 0051, 0055, 0065 & 0072)	-17	024-27322-103	024-34980-102
		-28	024-27322-106	024-34980-102
		-40	024-27322-104	024-34980-105
		-46	024-27322-207	024-34980-101
		-50	024-27322-207	024-34980-101
		-58	024-27322-102	024-34980-104
2 ^s	Blade (0031, 0035, 0065 & 0072)	All	026-41594-000*	026-41942-000
	Blade (0045, 0051 & 0055)		026-41592-000	026-41593-000
3	Guard (0031, 0035, 0065 & 0072)	All	026-46008-000	
	Guard (0045, 0051 & 0055)		026-37521-000	
4	Orifice (0031, 0035, 0065 & 0072)	All	026-45789-000	
	Orifice (0045, 0051 & 0055)		026-42029-000	
5	Support, Fan	All	026-41937-000*	026-45533-000
6	Support, Ring	All	026-36367-000	
7	Spacer (.375 I.D.)	All	075-29007-000	
8	Screw, Cap (M8x125)	All	021-18494-000	
9	Spacer (1.406 I.D.)	All	075-40484-000	
10	Hub, Square	All	026-41939-001*	026-41939-005

^s = Recommended Spare Parts

***Note:** YCUL0031 and YCUL0035, -46 & -50 voltage code units use Fan Blade 026-43090-000 and Square Hub 026-41939-002. YCUL0065 and YCAKL0072, -46 & -50 voltage code units use Fan Blade 026-41594-000, Fan Support 026-41938-000 and Square Hub 026-41939-005.

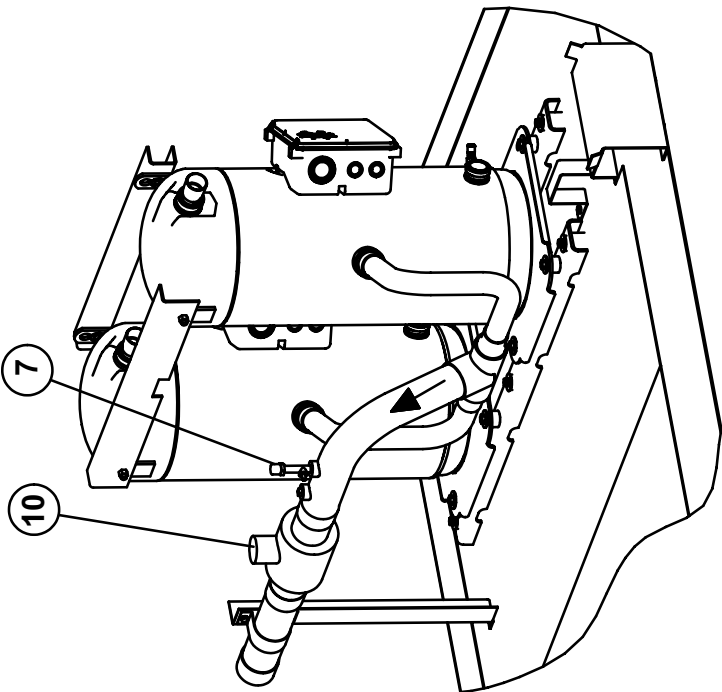
SECTION 3 - REFRIGERANT PIPING COMPONENTS CHILLER MODEL YCUL – STYLE 'E'



84935-003

(Reference Table 5 - 7 starting on page 15)

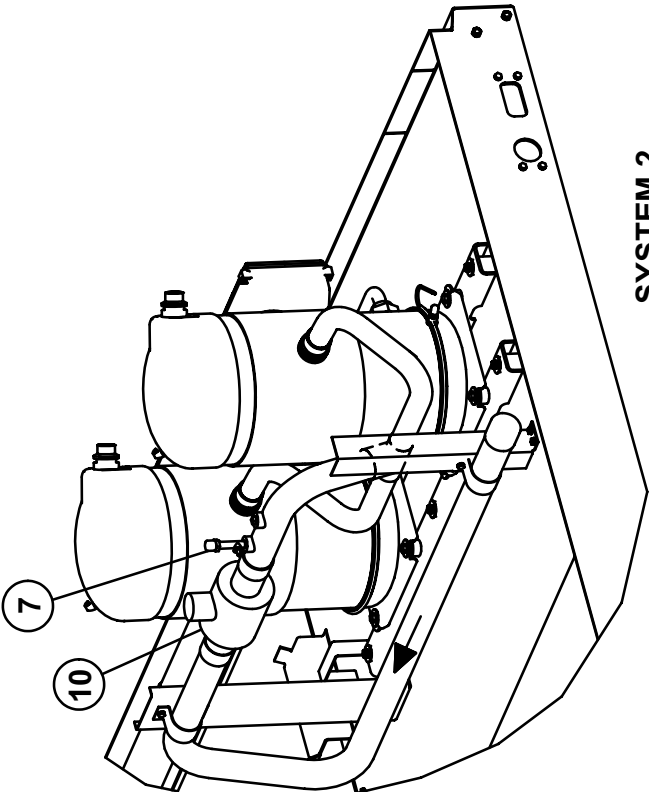
FIGURE 5 - REFRIGERANT PIPING COMPONENTS - MODEL YCUL0072 SHOWN



SYSTEM 1

SUCTION PIPING

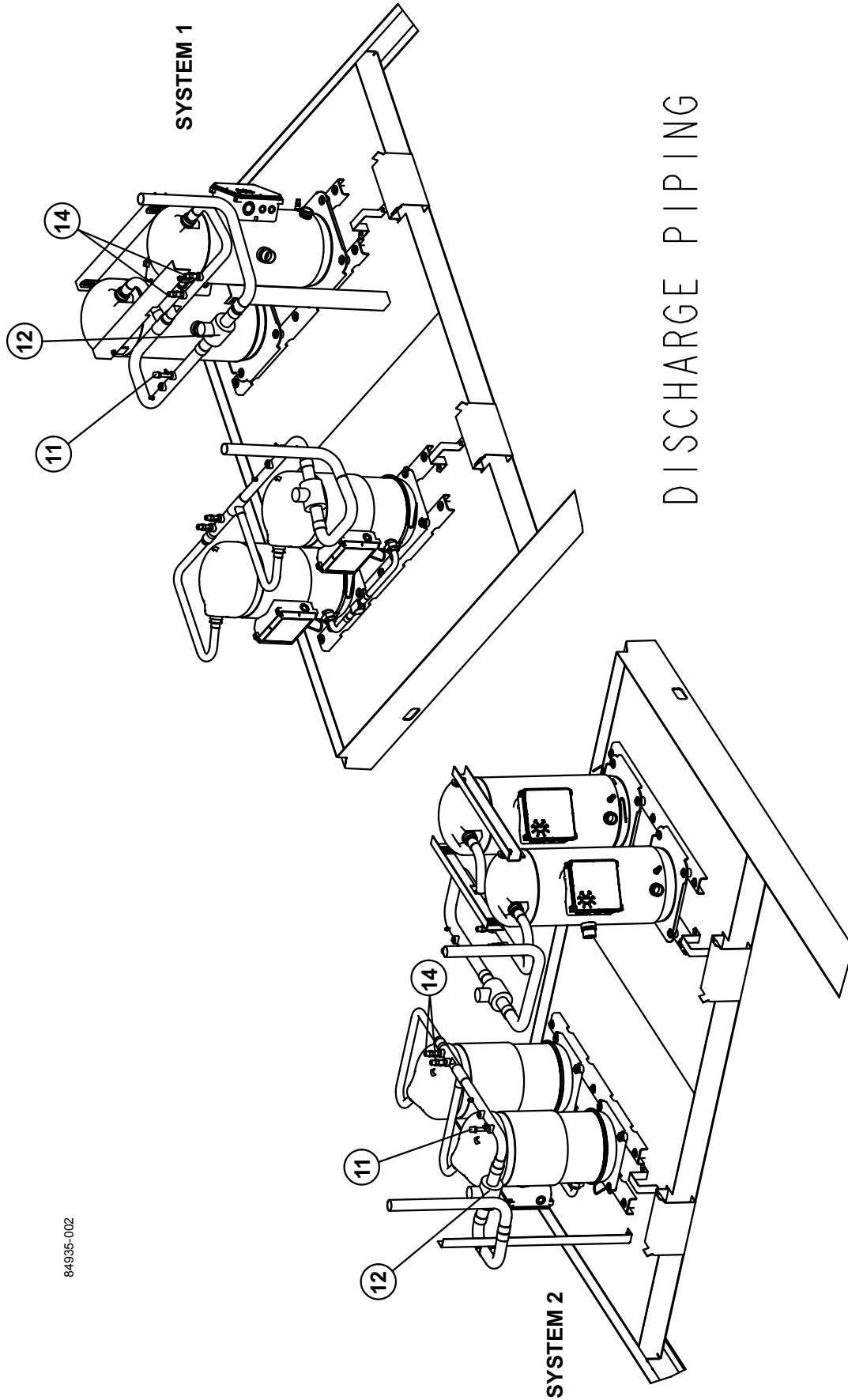
(Reference Tables 5 - 7 starting on page 15)



SYSTEM 2

FIGURE 6 - REFRIGERANT PIPING COMPONENTS - MODEL YCUL0072 SHOWN

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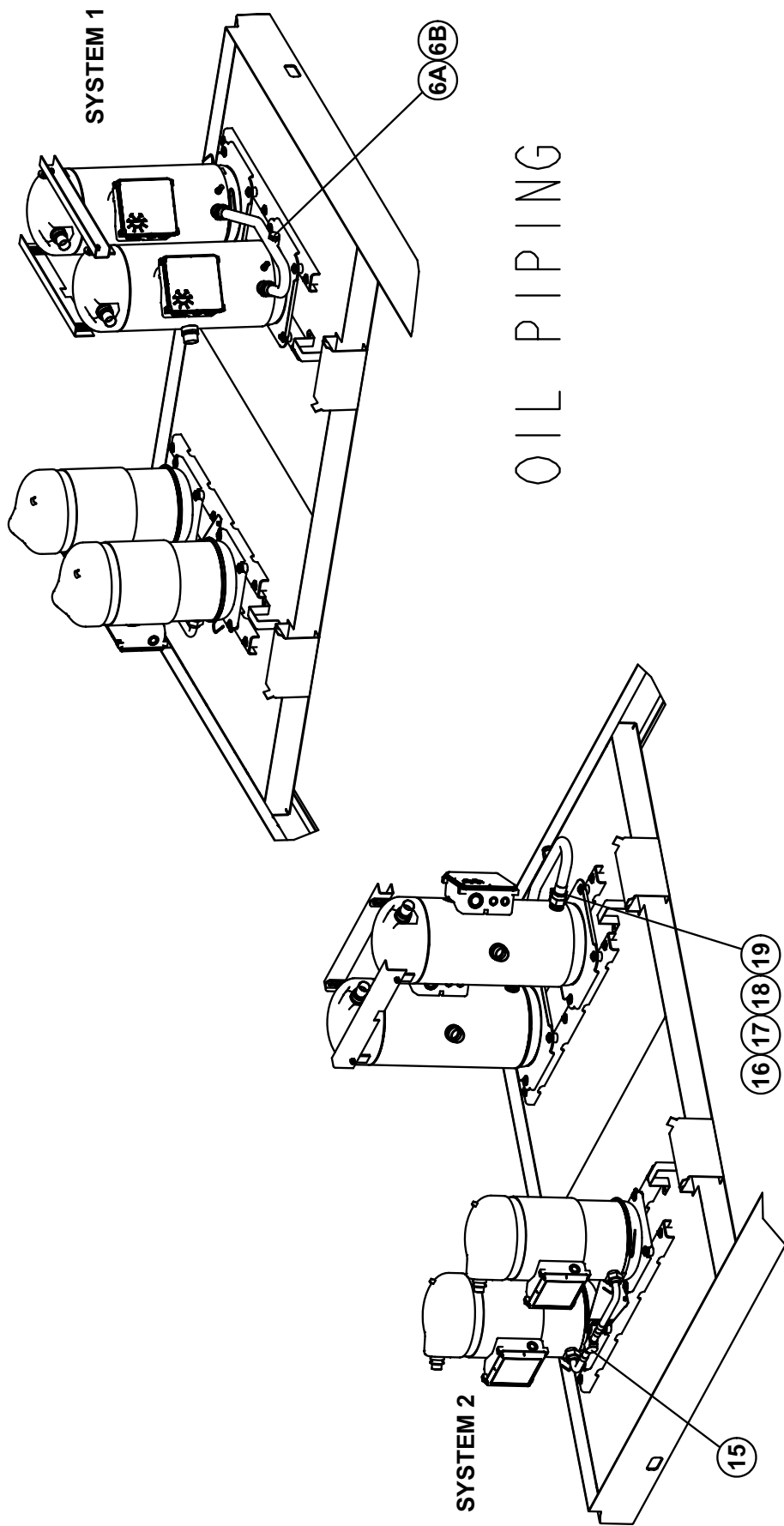


84935-002

(Reference Table 5 - 7 starting on page 15)

FIGURE 7 - REFRIGERANT PIPING COMPONENTS - MODEL YCUL0072 SHOWN

84935-004



(Reference Tables 5 - 7 starting on page 15)

FIGURE 8 - REFRIGERANT PIPING COMPONENTS - MODEL YCUL0072 SHOWN

TABLE 5 - REFRIGERANT PIPING COMPONENTS

ITEM NO.	QTY PER UNIT	DESCRIPTION	SYS.	YCUL0020 and YCUL0024	YCUL0031	YCUL0035
4^S	1	Valve, Stop (Liquid Line)	1	022-11306-000	022-10022-000	022-10022-000
6A	1	Moisture Indicator	1	026-12992-000	026-12992-000	026-12992-000
7	1	Valve, Access (Suction)	1	022-00009-000	022-00009-000	022-00009-000
10A	1	Valve, Ball (Suction)	1	022-08883-000	022-09752-000	022-09752-000
11	1	Valve, Access (Discharge)	1	022-00009-000	022-00009-000	022-00009-000
12A	1	Valve, Ball (Discharge)	1	022-09750-000	022-09750-000	022-09750-000
13	2	Compressor	1	See pages 19 and 21		
14	1	Valve, Relief (Discharge)	1	022-10682-001	022-10682-001	022-10682-001
15	1	Inline Sight Glass	1	026-41616-000	026-41616-000	026-41616-000

^S = Recommended Spare Part

See Figures 5 - 8 start on page 11

TABLE 6 - REFRIGERANT PIPING COMPONENTS

ITEM NO.	QTY PER UNIT	DESCRIPTION	SYS.	YCUL0045	YCUL0051	YCUL0055
4 ^S	2	Valve, Stop (Liquid Line)	Both	022-10022-000	022-10022-000	022-10022-000
6A	2	Moisture Indicator, Body	Both	026-32397-000	026-32397-000	026-32397-000
6B	2	Moisture Indicator, Sight Glass Cap	Both	026-32800-000	026-32800-000	026-32800-000
7	2	Valve, Access (Suction)	Both	022-00009-000	022-00009-000	022-00009-000
10A	1	Valve, Ball (Suction)	Sys1	022-09752-000	022-09752-000	022-09752-000
10B	1		Sys2			
11	2	Valve, Access (Discharge)	Both	022-00009-000	022-00009-000	022-00009-000
12A	1	Valve, Ball (Discharge)	Sys1	022-09750-000	022-09750-000	022-09750-000
12B	1		Sys2			
13	4	Compressor	Both	See pages 19 and 21		
14	2	Valve, Relief (Discharge)	Both	022-10682-001	022-10682-001	022-10682-001
15	2	Inline Sight Glass	Both	026-41616-000	026-41616-000	026-41616-000

^S = Recommended Spare Part

See Figures 5 - 8 starting on page 11

TABLE 7 - REFRIGERANT PIPING COMPONENTS

ITEM	QTY PER UNIT	DESCRIPTION	SYS- TEM	YCUL0065 375-66827-100	YCUL0072
4 ^S	2	Valve, Stop (Liquid Line)	Both	022-10022-000	022-10022-000
6A	2	Moisture Indicator, Body	Both	026-32397-000	026-32397-000
6B	2	Moisture Indicator, Sight Glass Cap	Both	026-32800-000	026-32800-000
7	2	Valve, Access (Suction)	Both	022-00009-000	022-00009-000
10A	1	Valve, Ball (Suction)	Sys1	022-09752-000	022-09753-000
10B	1		Sys2		022-09752-000
11	2	Valve, Access (Discharge)	Both	022-00009-000	022-00009-000
12A	1	Valve, Ball (Discharge)	Sys1	022-09750-000	022-11720-000
12B	1		Sys2		
13	4	Compressor	Both	See pages 16 and 17	
14	4	Valve, Relief (Discharge)	Both	022-10682-001	022-10682-001
15	2	Inline Sight Glass	Both	026-41616-000	026-41616-000

^S = Recommended Spare Part

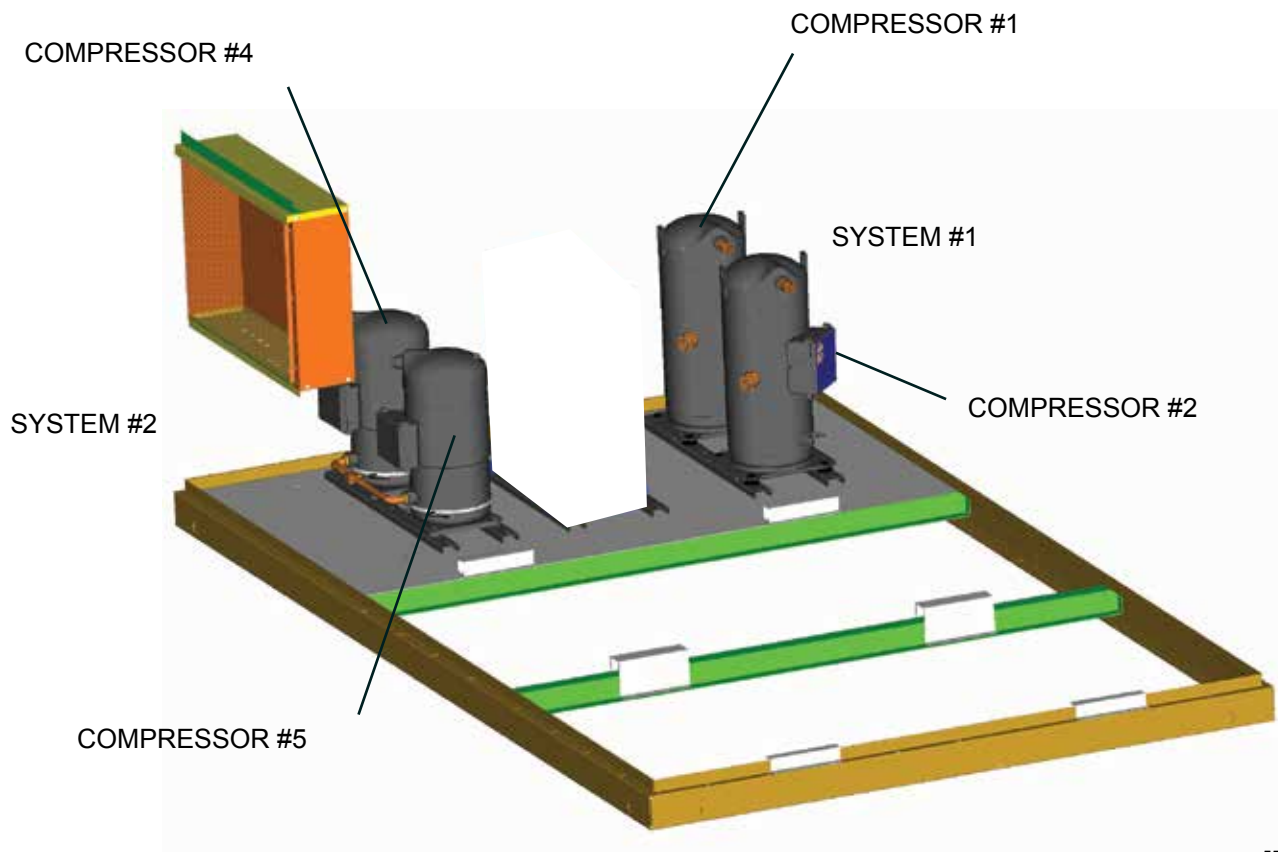
See Figures 5 - 8 starting on page 11

TABLE 8 - ROTO-LOCK COMPONENTS

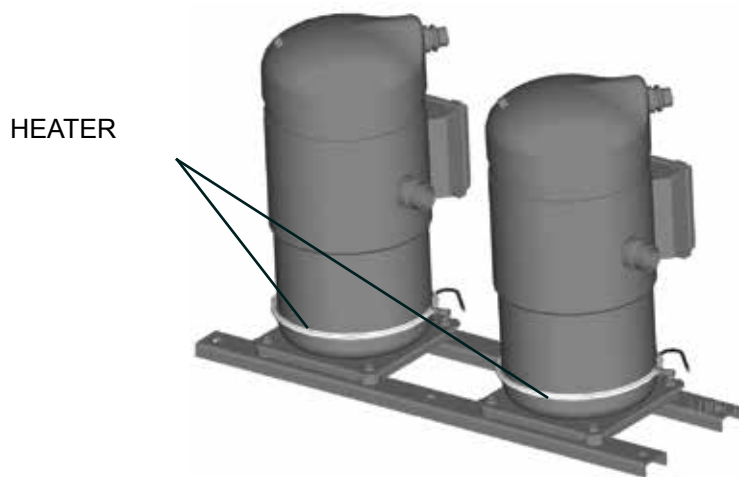
ITEM	QTY PER UNIT	DESCRIPTION	PART NUMBER
16	2	Nut, Compression	023-21925-000
17	2	Sleeve	023-21926-000
18	4	Gasket	028-15077-000
19	2	Adapter, Straight	023-20854-000

See Figure 8 on page 14

SECTION 4 - COMPRESSOR COMPONENTS



55692-000-A



Reference Tables 10 and 11 starting on page 23

FIGURE 9 - COMPRESSOR - TYPICAL LAYOUT

TABLE 9 - RECOMMENDED OIL TYPE

ITEM	REFRIGERANT	DESCRIPTION	(6) 1 GALLON	5 GALLON
OIL ^S	R-410A	OIL, COMPRESSOR (TYPE 'V')	011-00948-000	011-00949-000

^S = Recommended Spare Part

TABLE 10 - R-410A COMPRESSOR PART NUMBERS

MODEL	VOLTAGE CODE	SYSTEM 1		SYSTEM 1		SYSTEM 1		SYSTEM 2		SYSTEM 2	
		#1 COMPRESSOR		#2 COMPRESSOR		#4 COMPRESSOR		#5 COMPRESSOR		MODEL #	
YCUL0020	-17 & -28	015-04041-101	ZP103KCE	015-04041-101	ZP103KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-40	015-04041-102	ZP103KCE	015-04041-102	ZP103KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-46 & -50	015-04041-104	ZP103KCE	015-04041-104	ZP103KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-58	015-04041-105	ZP103KCE	015-04041-105	ZP103KCE	n/a	n/a	n/a	n/a	n/a	n/a
YCUL0024	-17 & -28	015-04042-101	ZP120KCE	015-04042-101	ZP120KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-40	015-04042-102	ZP120KCE	015-04042-102	ZP120KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-46 & -50	015-04042-104	ZP120KCE	015-04042-104	ZP120KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-58	015-04042-105	ZP120KCE	015-04042-105	ZP120KCE	n/a	n/a	n/a	n/a	n/a	n/a
YCUL0031	-17 & -28	015-04166-101	ZP182KCE	015-04055-101	ZP154KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-40	015-04166-102	ZP182KCE	015-04055-102	ZP154KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-46 & -50	015-04166-104	ZP182KCE	015-04055-104	ZP154KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-58	015-04166-105	ZP182KCE	015-04055-105	ZP154KCE	n/a	n/a	n/a	n/a	n/a	n/a
YCUL0035	-17 & -28	015-04045-101	ZP180KCE	015-04045-101	ZP180KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-40	015-04045-102	ZP180KCE	015-04045-102	ZP180KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-46 & -50	015-04045-104	ZP180KCE	015-04045-104	ZP180KCE	n/a	n/a	n/a	n/a	n/a	n/a
	-58	015-04045-105	ZP180KCE	015-04045-105	ZP180KCE	n/a	n/a	n/a	n/a	n/a	n/a
YCUL0045	-17 & -28	015-04042-101	ZP120KCE	015-04042-101	ZP120KCE	015-04042-101	015-04042-101	015-04042-101	015-04042-101	015-04042-101	ZP120KCE
	-40	015-04042-102	ZP120KCE	015-04042-102	ZP120KCE	015-04042-102	015-04042-102	015-04042-102	015-04042-102	015-04042-102	ZP120KCE
	-46 & -50	015-04042-104	ZP120KCE	015-04042-104	ZP120KCE	015-04042-104	015-04042-104	015-04042-104	015-04042-104	015-04042-104	ZP120KCE
	-58	015-04042-105	ZP120KCE	015-04042-105	ZP120KCE	015-04042-105	015-04042-105	015-04042-105	015-04042-105	015-04042-105	ZP120KCE
YCUL0051	-17 & -28	015-04043-101	ZP137KCE	015-04043-101	ZP137KCE	015-04042-101	015-04042-101	015-04042-101	015-04042-101	015-04042-101	ZP120KCE
	-40	015-04043-102	ZP137KCE	015-04043-102	ZP137KCE	015-04042-102	015-04042-102	015-04042-102	015-04042-102	015-04042-102	ZP120KCE
	-46 & -50	015-04043-104	ZP137KCE	015-04043-104	ZP137KCE	015-04042-104	015-04042-104	015-04042-104	015-04042-104	015-04042-104	ZP120KCE
	-58	015-04043-105	ZP137KCE	015-04043-105	ZP137KCE	015-04042-105	015-04042-105	015-04042-105	015-04042-105	015-04042-105	ZP120KCE
YCUL0055	-17 & -28	015-04055-101	ZP154KCE	015-04055-101	ZP154KCE	015-04055-101	015-04055-101	015-04055-101	015-04055-101	015-04055-101	ZP154KCE
	-40	015-04055-102	ZP154KCE	015-04055-102	ZP154KCE	015-04055-102	015-04055-102	015-04055-102	015-04055-102	015-04055-102	ZP154KCE
	-46 & -50	015-04055-104	ZP154KCE	015-04055-104	ZP154KCE	015-04055-104	015-04055-104	015-04055-104	015-04055-104	015-04055-104	ZP154KCE
	-58	015-04055-105	ZP154KCE	015-04055-105	ZP154KCE	015-04055-105	015-04055-105	015-04055-105	015-04055-105	015-04055-105	ZP154KCE
YCUL0065	-17 & -28	015-04166-101	ZP182KCE	015-04166-101	ZP182KCE	015-04166-101	015-04166-101	015-04166-101	015-04166-101	015-04166-101	ZP182KCE
	-40	015-04166-102	ZP182KCE	015-04166-102	ZP182KCE	015-04166-102	015-04166-102	015-04166-102	015-04166-102	015-04166-102	ZP182KCE
	-46 & -50	015-04166-104	ZP182KCE	015-04166-104	ZP182KCE	015-04166-104	015-04166-104	015-04166-104	015-04166-104	015-04166-104	ZP182KCE
	-58	015-04166-105	ZP182KCE	015-04166-105	ZP182KCE	015-04166-105	015-04166-105	015-04166-105	015-04166-105	015-04166-105	ZP182KCE
YCUL0072	-17 & -28	015-04044-101	ZP235KCE	015-04044-101	ZP235KCE	015-04045-101	015-04045-101	015-04045-101	015-04045-101	015-04045-101	ZP180KCE
	-40	015-04044-102	ZP235KCE	015-04044-102	ZP235KCE	015-04045-102	015-04045-102	015-04045-102	015-04045-102	015-04045-102	ZP180KCE
	-46 & -50	015-04044-104	ZP235KCE	015-04044-104	ZP235KCE	015-04045-104	015-04045-104	015-04045-104	015-04045-104	015-04045-104	ZP180KCE
	-58	015-04044-105	ZP235KCE	015-04044-105	ZP235KCE	015-04045-105	015-04045-105	015-04045-105	015-04045-105	015-04045-105	ZP180KCE

See Figure 4 on page 10

TABLE 11 - COMPRESSOR HEATER AND COMPRESSOR SOUND BLANKET PART NUMBERS

COMPRESSOR PART NUMBER	HEATER PART NUMBER	QUANTITY PER COMPRESSOR	SOUND BLANKET PART NUMBER	QUANTITY PER COMPRESSOR
015-04041-xxx	025-40351-000	1	010-06507-005	1
015-04042-xxx	025-40351-000	1	010-06507-005	1
015-04043-xxx	025-40351-000	1	010-06507-005	1
015-04044-xxx	025-37852-000	1	010-06507-001	1
015-04045-xxx	025-37888-000	1	010-06507-002	1
015-04055-xxx	025-40351-000	1	010-06507-007	1
015-04166-xxx	025-37888-000	1	010-06507-007	1

See Figure 4 on page 10

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SECTION 5 - CONTROL PANEL AND POWER PANEL CONFIGURATIONS

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

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

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

5

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

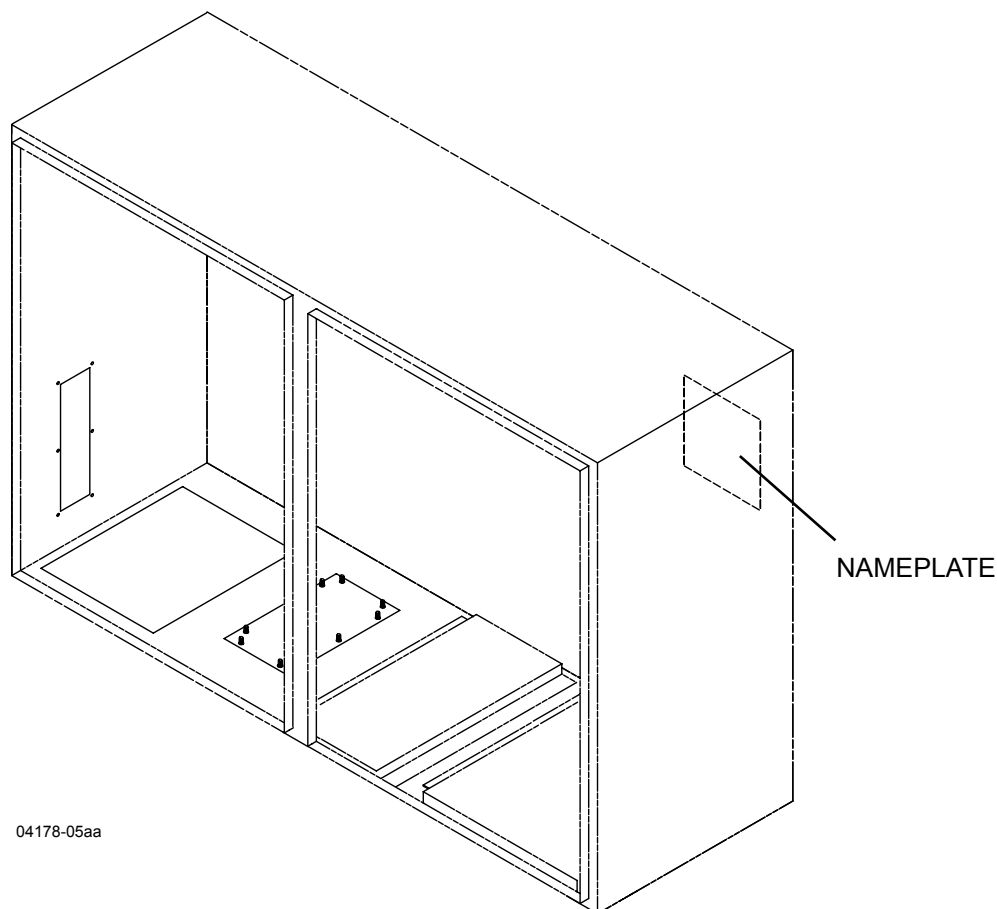


FIGURE 10 - CONTROL AND POWER PANEL NAMEPLATE LOCATION

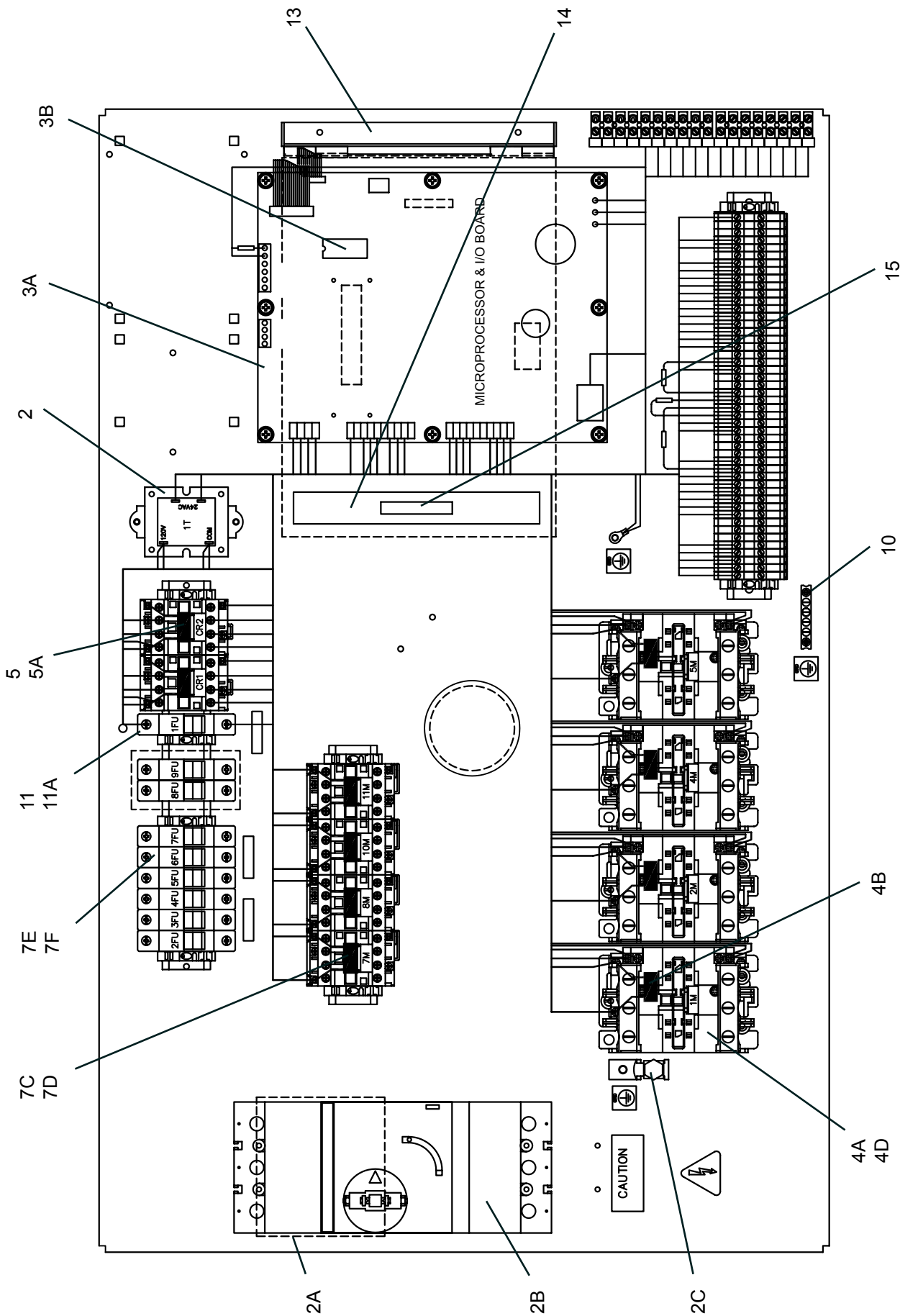
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SECTION 6 - CONTROL PANEL AND POWER PANEL COMPONENTS

TABLE 12 - CONTROL PANEL AND POWER PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS)

MODEL	VOLTAGE CODE	SINGLE POINT TERMINAL BLOCK (SX)	SINGLE POINT NON-FUSED DISCONNECT SWITCH (SD)	SINGLE POINT CIRCUIT BREAKER (BX)
YCUL0020	17 & 28	371-05161-101	371-05161-201	371-05161-301
	40 & 46	371-05161-102	371-05161-202	371-05161-302
	50 & 58	371-05161-102	371-05161-202	371-05161-302
YCUL0024	17 & 28	371-05161-101	371-05161-201	371-05161-301
	40 & 46	371-05161-102	371-05161-202	371-05161-302
	50 & 58	371-05161-102	371-05161-202	371-05161-302
YCUL0031	17 & 28	371-05162-101	371-05162-201	371-05162-301
	40 & 46	371-05162-102	371-05162-202	371-05162-302
	50 & 58	371-05162-102	371-05162-202	371-05162-302
YCUL0035	17 & 28	371-05162-101	371-05162-201	371-05162-301
	40 & 46	371-05162-102	371-05162-202	371-05162-302
	50 & 58	371-05162-102	371-05162-202	371-05162-302
YCUL0045	17 & 28	371-05163-101	371-05163-201	371-05163-301
	40 & 46	371-05163-102	371-05163-202	371-05163-302
	50 & 58	371-05163-102	371-05163-202	371-05163-302
YCUL0051	17 & 28	371-05163-101	371-05163-201	371-05163-301
	40 & 46	371-05163-102	371-05163-202	371-05163-302
	50 & 58	371-05163-102	371-05163-202	371-05163-302
YCUL0055	17, 28 & 40	371-05163-103	371-05163-203	371-05163-303
	46, 50 & 58	371-05163-102	371-05163-202	371-05163-302
YCUL0065	17, 28 & 40	371-05163-103	371-05163-203	371-05163-303
	46, 50 & 58	371-05163-102	371-05163-202	371-05163-302
YCUL0072	17 & 28	371-05163-103	371-05163-203	371-05163-303
	40 & 46	371-05163-104	371-05163-204	371-05163-304
	50 & 58	371-05163-104	371-05163-204	371-05163-304

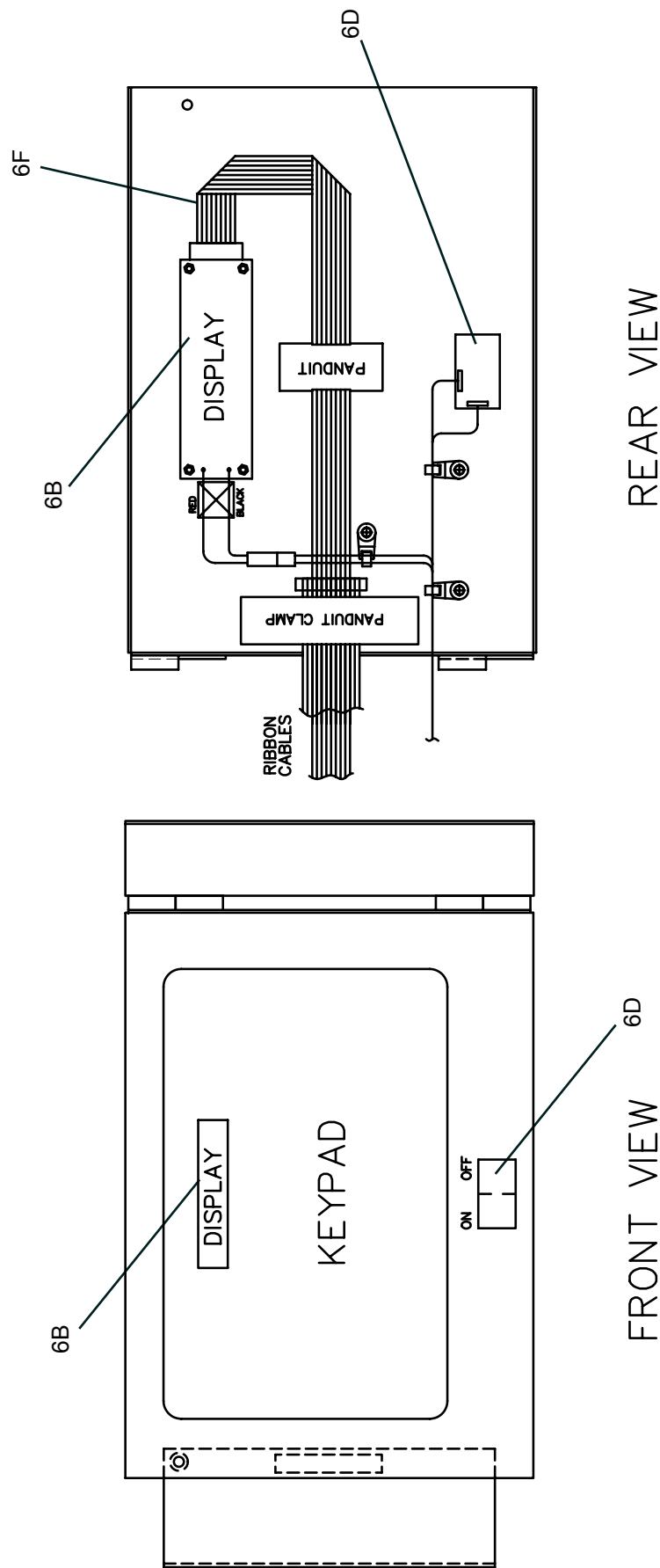
Select panel part number from the tables above or from the panel nameplate label shown on *Figure 10 on page 21*, then refer to the 'control and power panel components' information *Table 13 on page 26*. See *Figure 11 on page 24* and *Figure 12 on page 25*.



206985-sh11

Reference Table 13 on page 26

FIGURE 11 - CONTROL AND POWER PANEL COMPONENTS



202777-3

Reference Table 13 on page 26

FIGURE 12 - CONTROL AND POWER PANEL COMPONENTS

TABLE 13 - CONTROL AND POWER PANEL COMPONENTS

Item	Qty	Description	YCUL0020-17 & YCUL0020-28 YCUL0024-17 & YCUL0024-28				YCUL0020-40 & YCUL0020-46 YCUL0024-40 & YCUL0024-46				YCUL0020-50 & YCUL0020-58 YCUL0024-50 & YCUL0024-58			
			371-05161-101 SX**	371-05161-201 SD**	371-05161-301 BX**	371-05161-102 SX**	371-05161-202 SD**	371-05161-302 BX**	371-05161-102 SX**	371-05161-202 SD**	371-05161-302 BX**			
2	1	Control Transformer	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	
2A	1	Single Point Terminal Block	025-39423-000	N/A	N/A	N/A	025-39423-000	N/A	N/A	025-39423-000	N/A	N/A	N/A	
	1	Single Point Circuit Breaker	N/A	N/A	025-34419-000	N/A	N/A	024-35973-000	N/A	N/A	024-35973-000	N/A	024-35973-000	
	1	Single Point NF Disconnect Switch	N/A	024-31871-000	N/A	N/A	024-31888-000	N/A	N/A	024-31888-000	N/A	N/A	N/A	
2B	1	Lugs	N/A	025-34480-000	025-34418-000	N/A	025-34478-000	025-40823-000	N/A	025-34478-000	025-40823-000	025-40823-000	025-40823-000	
2C	1	Ground Lug	025-34455-000	025-34089-000	025-34089-000	025-34455-000	025-34089-000	025-34455-000	025-34455-000	025-34089-000	025-34455-000	025-34455-000	025-34455-000	
3A	1	Control Board	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	
3B	1	Flash Card	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	
4A	4	Compressor Contactor	024-35467-000	024-35467-000	024-35467-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	
4B	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
4D	4	Auxiliary Contact	024-35493-000	N/A	N/A	024-35493-000	N/A	N/A	024-35493-000	N/A	N/A	N/A	N/A	
5	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	
5A	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
6B	1	Display	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	
6D	1	Switch	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	
6F	1	Ribbon Cable	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	
7C	4	Fan Contactor	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	
7D	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
7E	2	Fuse Block	025-37864-000	025-37864-000	025-37864-000	025-37864-000	025-37864-000	025-37864-000	025-37864-000	025-37864-000	025-37864-000	025-37864-000	025-37864-000	
7F	6	Fuse	025-34139-000	025-34139-000	025-34139-000	025-34139-000	025-34139-000	025-34139-000	025-34139-000	025-34139-000	025-34139-000	025-34139-000	025-34139-000	
10	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	
11	1	Fuse Block	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	
11A	1	Fuse	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	

Service Note: Locate the PANEL NAMEPLATE label 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. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at left for power configuration options.

See Figures 11 AND 12 starting on page 24

SX**	SINGLE POINT TERMINAL BLOCK
SD**	SINGLE POINT NON-FUSED DISCONNECT SWITCH
BX**	SINGLE POINT CIRCUIT BREAKER

*Note: Replacement Control Board (Item 3A) should be ordered as kit #331-02550-101. (Kit contains assembled 031-02630-001 I/O Board and 031-02550-000 Control Board, as well as a Flash Card. The dual system 031-02550-000 Control Board can be used in both single and dual system YCUL units.

TABLE 13 - CONTROL AND POWER PANEL COMPONENTS (CONT'D)

Item	Qty	Description	YCUL0031-17 & YCUL0031-28 YCUL0035-17 & YCUL0035-28			YCUL0031-40 & YCUL0031-46 YCUL0035-40 & YCUL0035-46			YCUL0031-50 & YCUL0031-58 YCUL0035-50 & YCUL0035-58		
			371-05162-101 SX**	371-05162-201 SD**	371-05162-301 BX**	371-05162-102 SX**	371-05162-202 SD**	371-05162-302 BX**	371-05162-102 SX**	371-05162-202 SD**	371-05162-302 BX**
2	1	Control Transformer	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000
2A	1	Single Point Terminal Block	025-39386-000	N/A	N/A	025-39423-000	N/A	N/A	025-39423-000	N/A	N/A
	1	Single Point Circuit Breaker	N/A	N/A	025-34419-000	N/A	N/A	025-34419-000	N/A	N/A	025-34419-000
	1	Single Point NF Disconnect Switch	N/A	024-31871-000	N/A	N/A	024-31888-000	N/A	N/A	024-31888-000	N/A
2B	1	Lugs	N/A	025-34480-000	025-34480-000	N/A	025-34478-000	025-34418-000	N/A	025-34478-000	025-34418-000
2C	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2D	3	IPU 2	031-02630-001	031-02630-001	031-02630-001	031-02630-001	031-02630-001	031-02630-001	031-02630-001	031-02630-001	031-02630-001
3A	1	Control Board	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*	031-02550-100*
3B	1	Flash Card	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001
4A	4	Compressor Contactor	024-35470-000	024-35470-000	024-35470-000	024-35462-000	024-35462-000	024-35462-000	024-35462-000	024-35462-000	024-35462-000
4B	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
4D	4	Auxiliary Contact	024-35493-000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
5A	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
6B	1	Display	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000
6D	1	Switch	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
6F	1	Ribbon Cable	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000
7C	4	Fan Contactor	024-35444-000	024-35444-000	024-35444-000	024-35444-000	024-35444-000	024-35444-000	024-35444-000	024-35444-000	024-35444-000
7D	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
7E	2	Fuse Block	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000
7F	6	Fuse	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000
10	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000
11	1	Fuse Block	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000
11A	1	Fuse	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000

Service Note: Locate the PANEL NAMEPLATE label 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. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at left for power configuration options.
See Figures 11 and 12 starting on page 24.

SX**	SINGLE POINT TERMINAL BLOCK
SD**	SINGLE POINT NON-FUSED DISCONNECT SWITCH
BX**	SINGLE POINT CIRCUIT BREAKER

***Note:** Replacement Control Board (Item 3A) should be ordered as kit #331-02550-101. (Kit contains assembled 031-02630-001 I/O Board and 031-02550-000 Control Board, as well as a Flash Card. The dual system 031-02550-000 Control Board can be used in both single and dual system YCUL units.

TABLE 13 - CONTROL AND POWER PANEL COMPONENTS (CONT'D)

Item	Qty	Description	YCUL0045-17 & YCUL0045-28 YCUL0051-17 & YCUL0051-28			YCUL0045-40 & YCUL0045-46 YCUL0051-40 & YCUL0051-46			YCUL0045-50 & YCUL0045-58 YCUL0051-50 & YCUL0051-58		
			371-05163-101 SX**	371-05163-201 SD**	371-05163-301 BX**	371-05163-102 SX**	371-05163-202 SD**	371-05163-302 BX**	371-05163-102 SX**	371-05163-202 SD**	371-05163-302 BX**
2	1	Control Transformer	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000
2A	1	Single Point Terminal Block	025-39410-000	N/A	N/A	025-39423-000	N/A	N/A	025-39423-000	N/A	N/A
	1	Single Point Circuit Breaker	N/A	N/A	025-34424-000	N/A	N/A	025-34419-000	N/A	N/A	025-34419-000
	1	Single Point NF Disconnect Switch	N/A	024-30964-000	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2B	1	Lugs	N/A	025-34420-000	025-34420-000	N/A	025-34480-000	025-34418-000	N/A	025-34480-000	025-34418-000
2C	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
3A	1	Control Board	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*
3B	1	Flash Card	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001
4A	4	Compressor Contactor	024-35467-000	024-35467-000	024-35467-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000
4B	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
4D	4	Auxiliary Contact	024-35493-000	N/A	N/A	024-35493-000	N/A	N/A	024-35493-000	N/A	N/A
5	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
5A	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
6B	1	Display	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000
6D	1	Switch	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
6F	1	Ribbon Cable	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000
7C	4	Fan Contactor	024-35444-000	024-35444-000	024-35444-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000
7D	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
7E	2	Fuse Block	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000
7F	6	Fuse	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000
10	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000
11	1	Fuse Block	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000
11A	1	Fuse	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000

Service Note: Locate the PANEL NAMEPLATE label 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. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at left for power configuration options.

See Figures 11 and 12 starting on page 24

*Note: Replacement Control Board (Item 3A) should be ordered as kit #331-02550-101. (Kit contains assembled 031-02630-001 I/O Board and 031-02550-000 Control Board, as well as a Flash Card. The dual system 031-02550-000 Control Board can be used in both single and dual system YCUL units.

TABLE 13 - CONTROL AND POWER PANEL COMPONENTS (CONT'D)

Item	Qty	Description	YCUL0055-17, YCUL0055-28 & YCUL0055-40 YCUL0065-17, YCUL0065-28 & YCUL0065-40				YCUL0055-46 YCUL0065-46				YCUL0055-50 & YCUL0055-58 YCUL0065-50 & YCUL0065-58			
			371-05163-103 SX**	371-05163-203 SD**	371-05163-303 BX**	371-05163-102 SX**	371-05163-202 SD**	371-05163-302 BX**	371-05163-102 SX**	371-05163-202 SD**	371-05163-302 BX**			
2	1	Control Transformer	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	
2A	1	Single Point Terminal Block	025-39410-000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
	1	Single Point Circuit Breaker	N/A	N/A	025-34424-000	N/A	N/A	025-39423-000	N/A	N/A	025-34419-000	N/A	025-34419-000	
	1	Single Point NF Disconnect Switch	N/A	024-30964-000	N/A	N/A	N/A	024-31888-000	N/A	N/A	024-31888-000	N/A	N/A	
2B	1	Lugs	N/A	025-34481-000	025-34481-000	N/A	N/A	025-34480-000	025-34418-000	N/A	025-34480-000	025-34418-000	025-34418-000	
2C	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	
3A	1	Control Board	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	
3B	1	Flash Card	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	
4A	4	Compressor Contactor	024-35473-000	024-35473-000	024-35473-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	024-35459-000	
4B	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
4D	4	Auxiliary Contact	024-35493-000	N/A	N/A	N/A	024-35493-000	N/A	N/A	024-35493-000	N/A	N/A	N/A	
5	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	
5A	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
6B	1	Display	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	
6D	1	Switch	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	
6F	1	Ribbon Cable	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	
7C	4	Fan Contactor	024-35444-000	024-35444-000	024-35444-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	
7D	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	
7E	2	Fuse Block	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	
7F	6	Fuse	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	
10	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	
11	1	Fuse Block	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	
11A	1	Fuse	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	

SX**	SINGLE POINT TERMINAL BLOCK
SD**	SINGLE POINT NON-FUSED DISCONNECT SWITCH
BX**	SINGLE POINT CIRCUIT BREAKER

Service Note: Locate the PANEL NAMEPLATE label 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. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at left for power configuration options.

See Figures 11 and 12 starting on page 24

*Note: Replacement Control Board (Item 3A) should be ordered as kit #331-02550-101. (Kit contains assembled 031-02630-001 I/O Board and 031-02550-000 Control Board, as well as a Flash Card. The dual system 031-02550-000 Control Board can be used in both single and dual system YCUL units.

TABLE 13 - CONTROL AND POWER PANEL COMPONENTS (CONT'D)

Item	Qty	Description	YCUL0072-17 & YCUL0072-28			YCUL0072-40 & YCUL0072-46			YCUL0072-50 & YCUL0072-58		
			371-05163-103 SX**	371-05163-203 SD**	371-05163-303 BX**	371-05163-104 SX**	371-05163-204 SD**	371-05163-304 BX**	371-05163-104 SX**	371-05163-204 SD**	371-05163-304 BX**
2	1	Control Transformer	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000	025-27911-000
2A	1	Single Point Terminal Block	025-39410-000	N/A	N/A	025-39386-000	N/A	N/A	025-39386-000	N/A	N/A
	1	Single Point Circuit Breaker	N/A	N/A	025-34424-000	N/A	N/A	025-34419-000	N/A	N/A	025-34419-000
	1	Single Point NF Disconnect Switch	N/A	024-30964-000	N/A	N/A	024-30963-000	N/A	N/A	024-30963-000	N/A
2B	1	Lugs	N/A	025-34481-000	025-34481-000	N/A	025-34418-000	025-34418-000	N/A	025-34418-000	025-34418-000
2C	1	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
3A	1	Control Board	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*	031-02550-000*
3B	1	Flash Card	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001	031-02755-001
4A	4	Compressor Contactor	024-35473-000	024-35473-000	024-35473-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000	024-35467-000
4B	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
4D	4	Auxiliary Contact	024-35493-000	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	2	Control Relay	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000	024-35526-000
5A	2	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
6B	1	Display	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000	031-02749-000
6D	1	Switch	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000	024-25517-000
6F	1	Ribbon Cable	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000	031-02108-000
7C	4	Fan Contactor	024-35444-000	024-35444-000	024-35444-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000	024-35441-000
7D	4	Surge Suppressor	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
7E	2	Fuse Block	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000	025-37863-000
7F	6	Fuse	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000	025-34142-000
10	1	Ground Bar	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000	025-35685-000
11	1	Fuse Block	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000	025-37862-000
11A	1	Fuse	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000

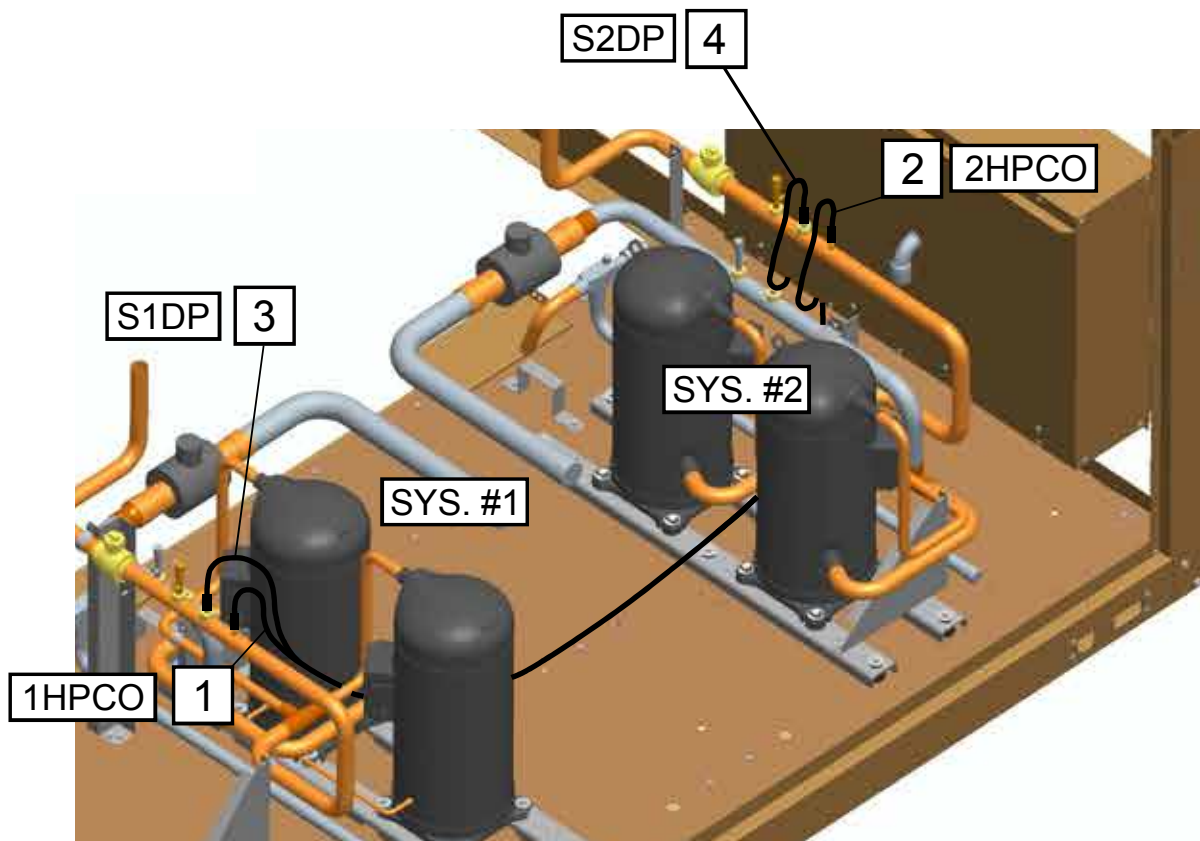
Service Note: Locate the PANEL NAMEPLATE label on the upper right hand corner of the power panel (See Figure 10 on page 21), then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at left for power configuration options.

See Figures 11 and 12 starting on page 24

SX**	SINGLE POINT TERMINAL BLOCK
SD**	SINGLE POINT NON-FUSED DISCONNECT SWITCH
BX**	SINGLE POINT CIRCUIT BREAKER

*Note: Replacement Control Board (Item 3A) should be ordered as kit #331-02550-101. (Kit contains assembled 031-02630-001 I/O Board and 031-02550-000 Control Board, as well as a Flash Card. The dual system 031-02550-000 Control Board can be used in both single and dual system YCUL units.

SECTION 7 - WIRING HARNESSES



CONTROL WIRING

Reference Tables 14 and 15 starting on page 31
67217-100f

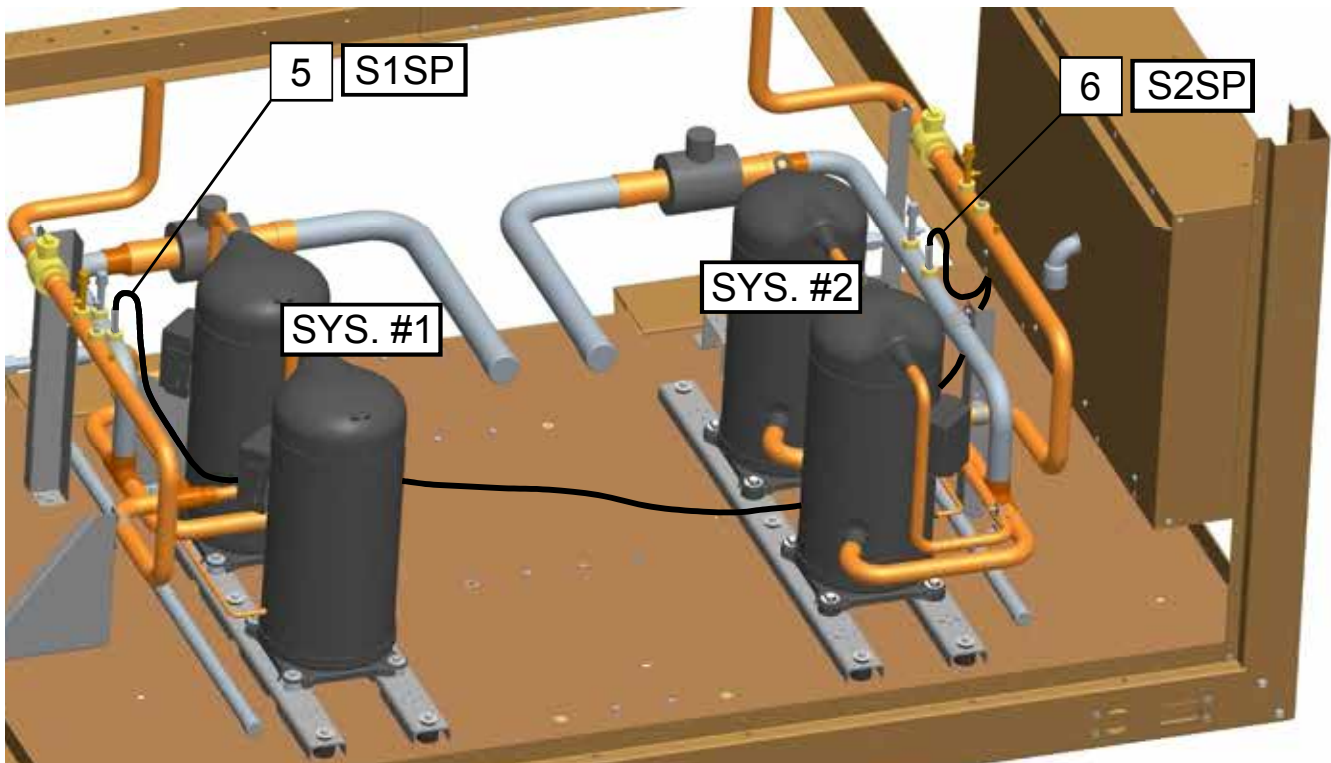
FIGURE 13 - CONTROL WIRING HARNESSES

TABLE 14 - CONTROL AND SENSOR WIRING HARNESSES

ITEM #	DESCRIPTION	SYSTEM	YCUL	PART NUMBER
1	HARNESS, HIGH PRESSURE CUT OUT*	#1	ALL	575-57126-240
2		#2	ALL	575-57126-241

Service Note: High Pressure Cut-Out Harness includes High Pressure Cut-Out Switch 025-41535-000

See Figure 13 on page 31.



SENSOR WIRING

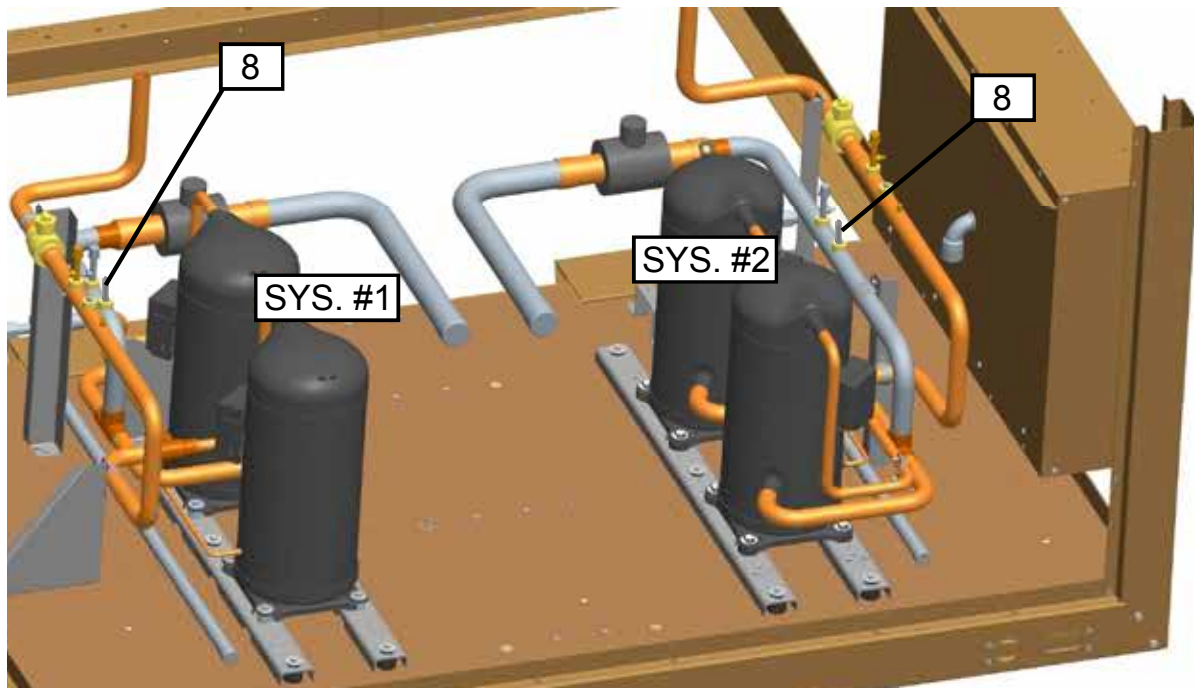
Reference Table 15 on page 32.
67217-100gg

FIGURE 14 - SENSOR WIRING HARNESSSES

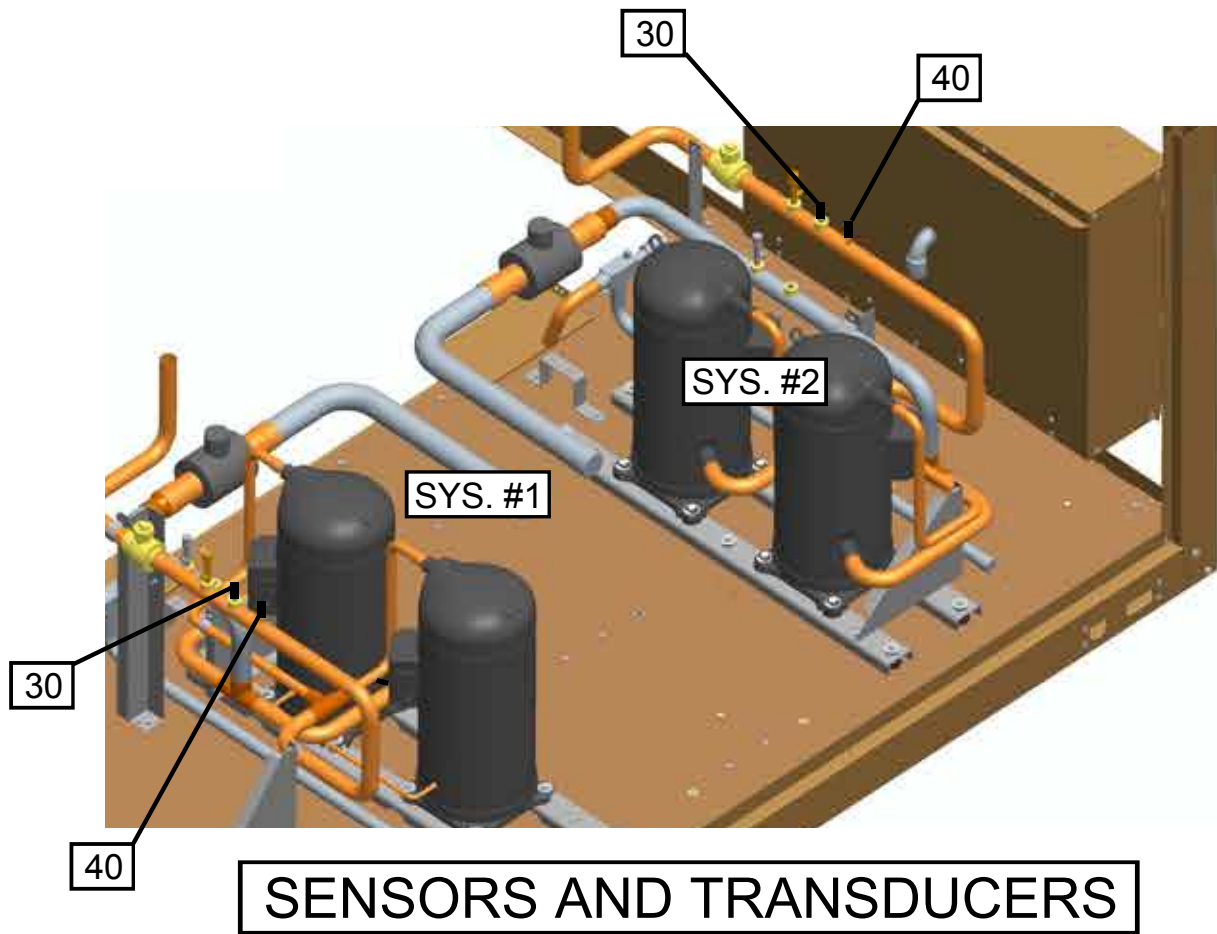
TABLE 15 - SENSOR HARNESS WIRING

MICROBOARD WIRING							
Plug Detail	Plug and Pin P/N	Plug "P" No.	Plug Pin No.	Wire Color	Cable #	Function	Harness Assembly Part Number
	Plug = 025-28384-000 Pin = 025-28386-000	P7	5	Red	5 (S1SP)	System #1 Suction Pressure	575-57126-310
			10	White			
			1	Black			
			2	Drain			
			7	Red	3 (S1DP)	System #1 Discharge Pressure	375-57126-315
			12	White			
	Plug = 025-28384-000 Pin = 025-28386-000	P9	8	Black			
			9	Drain			
			5	Red	6 (S2SP)	System #2 Suction Pressure	575-57126-311
			10	White			
			1	Black			
			2	Drain			
			7	Red	4 (S2DP)	System #2 Discharge Pressure	375-57126-316
			12	White			
			8	Black			
			9	Drain			

See Figures 13 and 14 starting on page 31.



7



Reference Table 16 on page 34.

FIGURE 15 - TEMPERATURE SENSORS AND TRANSDUCERS

TABLE 16 - TEMPERATURE SENSORS AND TRANSDUCERS

ITEM NUM- BER	QTY	DESCRIPTION	MODELS	PART NUMBER
1 ^S	1	Sensor, Outside Air Temperature - Not Shown (Cable Included)	0020-0035	025-40273-008*
			0045-0051	025-40273-006*
			0055-0072	025-40273-003*
8 ^S	2	Transducer, Suction Pressure (0-400psi)	All	025-41756-002
30 ^S	2	Transducer, Discharge Pressure (0-650psi)	All	025-41756-003
40 ^S	2	Switch, High Pressure Cut-Out (Not Shown)	All	025-41535-000

^S Recommended Spare Part

* **Note:** Sensor only = 025-29964-000.

See Figure 15 on page 33.

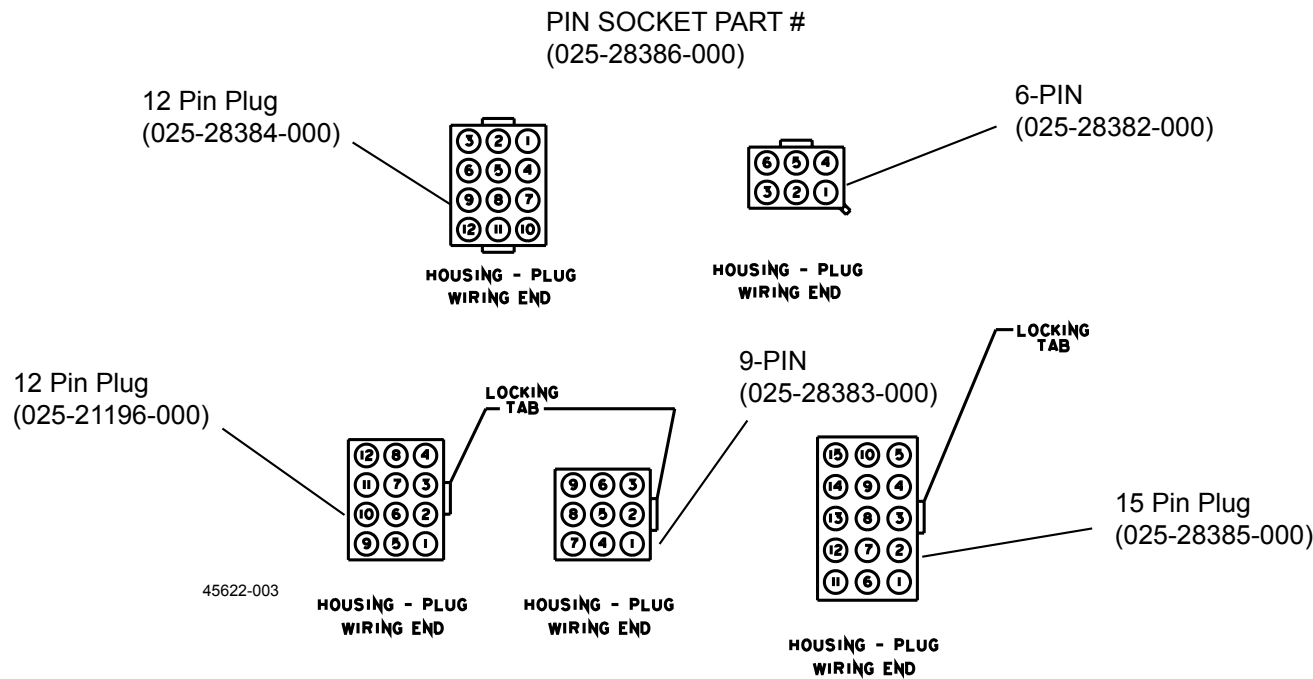


FIGURE 16 - SENSOR HOUSING & PIN SOCKET PART NUMBERS

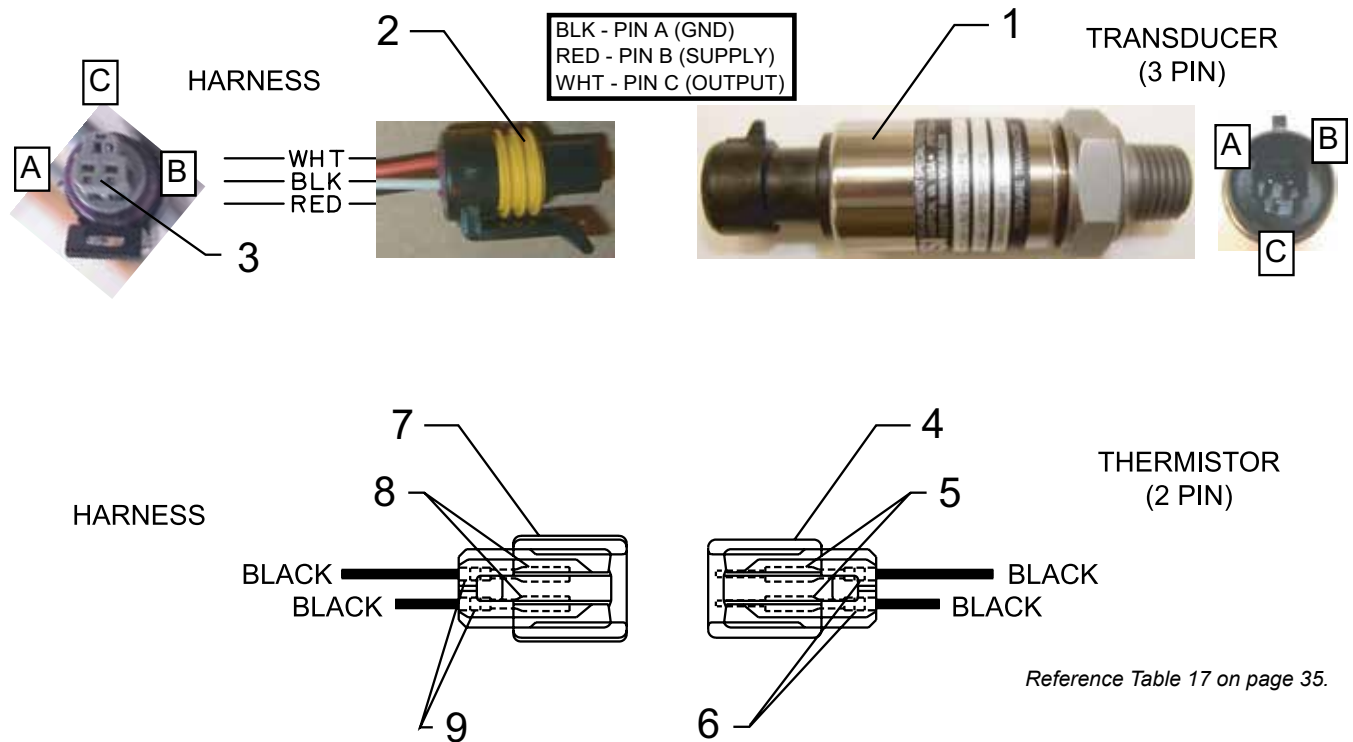


FIGURE 17 - TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS

TABLE 17 - TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS

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

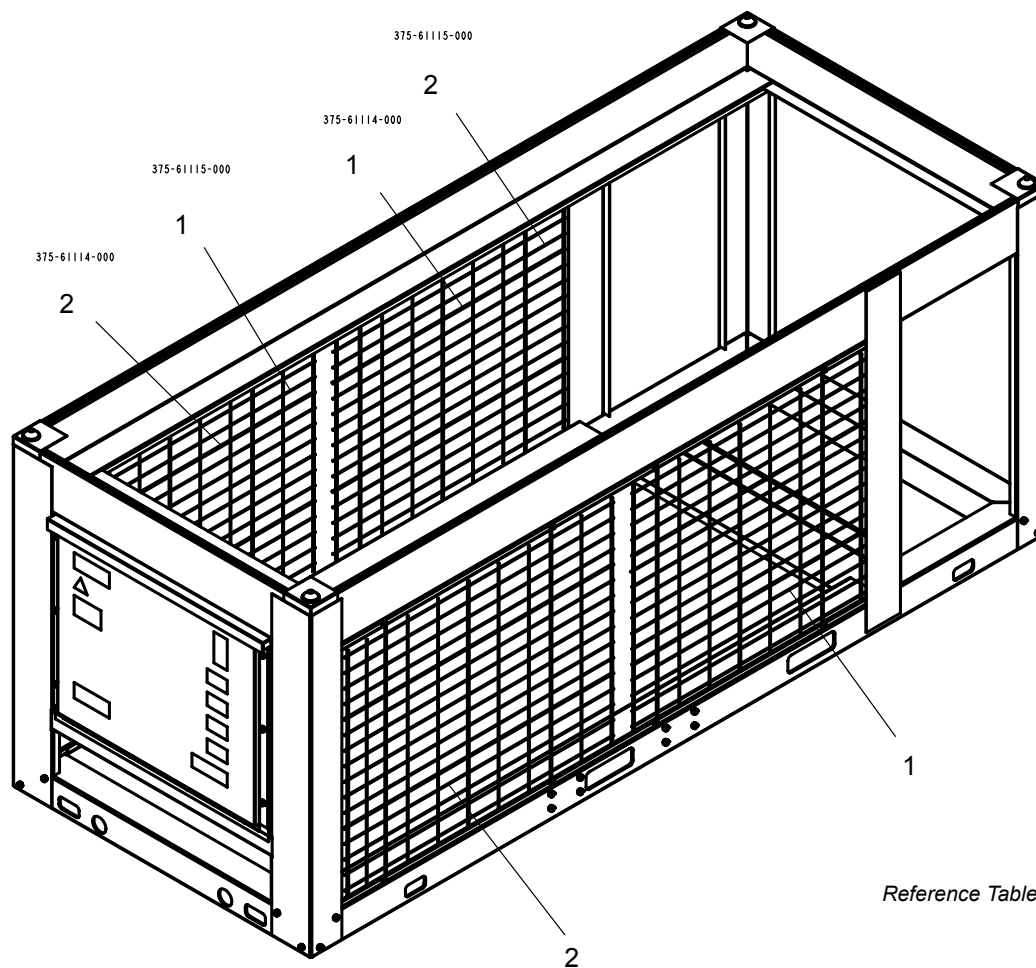
See Figure 17 on page 35.

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SECTION 8 - ENCLOSURES

TABLE 18 - ENCLOSURE KIT OPTIONS

MODEL NUMBER	WIRE ENCLOSURE (FACTORY INSTALLED)	LOUVERED ENCLOSURE (FIELD INSTALLED)
YCUL0020	375-61114-000	575-65188-000
YCUL0024		
YCUL0031	375-61115-000	575-65189-000
YCUL0035		



Reference Table 19 on page 37.

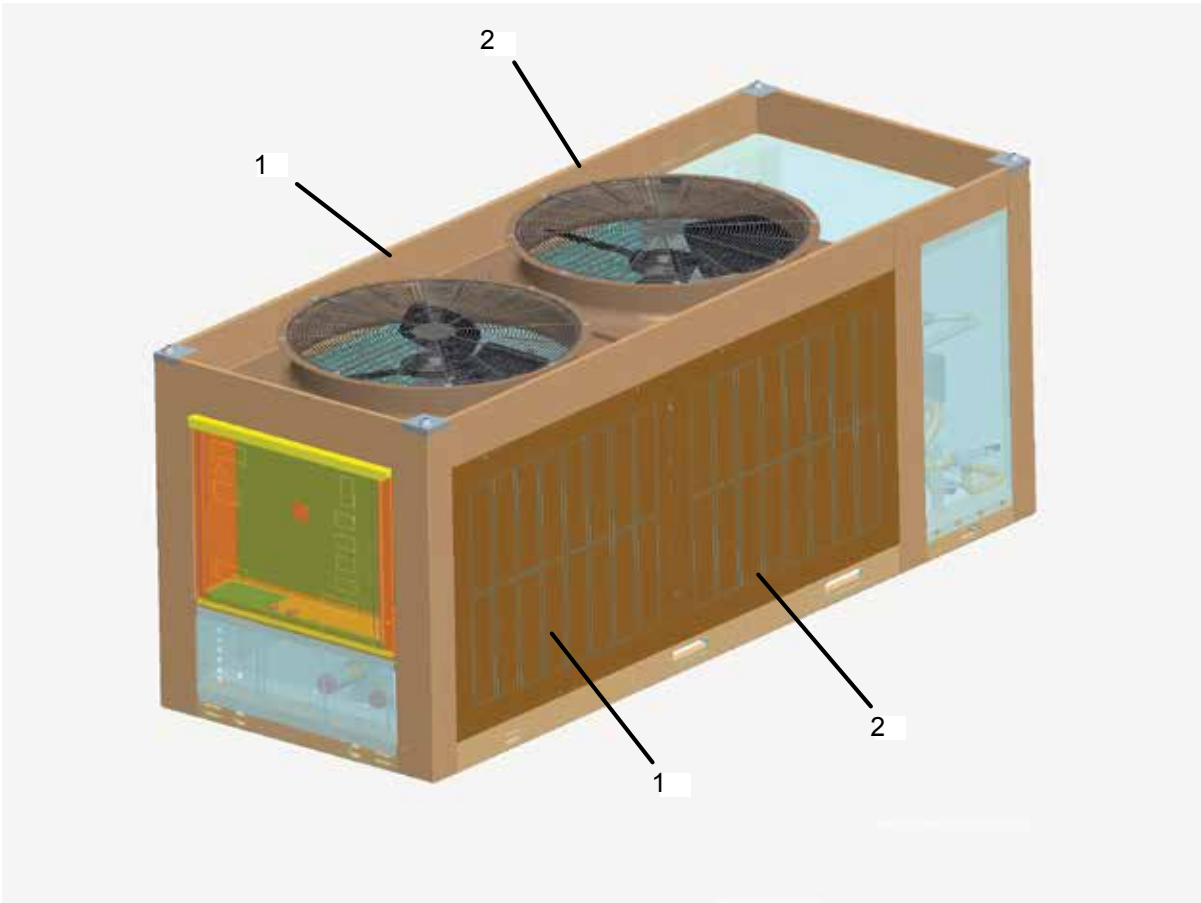
61114-000

FIGURE 18 - WIRE ENCLOSURE PARTS

TABLE 19 - WIRE ENCLOSURE PARTS

WIRE ENCLOSURE KIT COMPONENTS					
ITEM #	DESCRIPTION	YCUL0020 and YCUL0024		YCUL0031 and YCUL0035	
		375-61114-000	QTY	375-61115-000	QTY
1	WIRE PANEL, SIDES	026-41826-010	2	026-41826-009	2
2	WIRE PANEL, REAR	026-41826-011	2	026-41826-008	2

See Figure 18 on page 37.



Reference Table 20 on page 38.
60803-001

FIGURE 19 - LOUVERED ENCLOSURE PARTS

TABLE 20 - LOUVERED ENCLOSURE PARTS

LOUVERED ENCLOSURE KIT COMPONENTS					
ITEM #	DESCRIPTION	YCUL0020 AND YCUL0024		YCUL0031 AND YCUL0035	
		575-65188-000	QTY	575-65189-000	QTY
1	Louvered Panel	075-60803-009	2	075-60803-010	2
2	Louvered Panel	075-60803-008	2	075-60803-011	2

See Figure 19 on page 38.

TABLE 21 - ENCLOSURE KIT OPTIONS

MODEL NUMBER	WIRE ENCLOSURE (FACTORY INSTALLED)	LOUVERED ENCLOSURE (FIELD INSTALLED)
YCUL0045	375-59527-000	575-59445-000
YCUL0051		
YCUL0055	375-59526-000	575-59444-000
YCUL0065		
YCUL0072	375-59525-000	575-59443-000

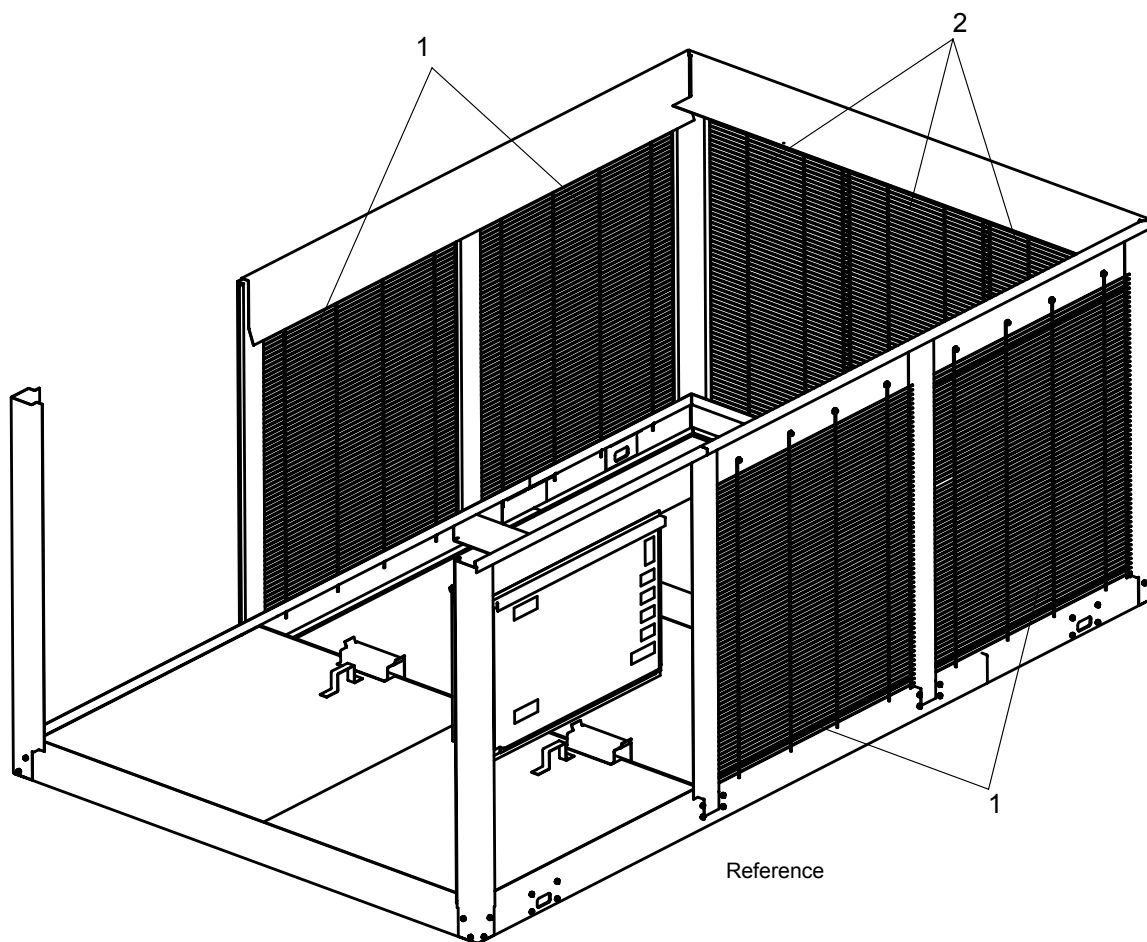
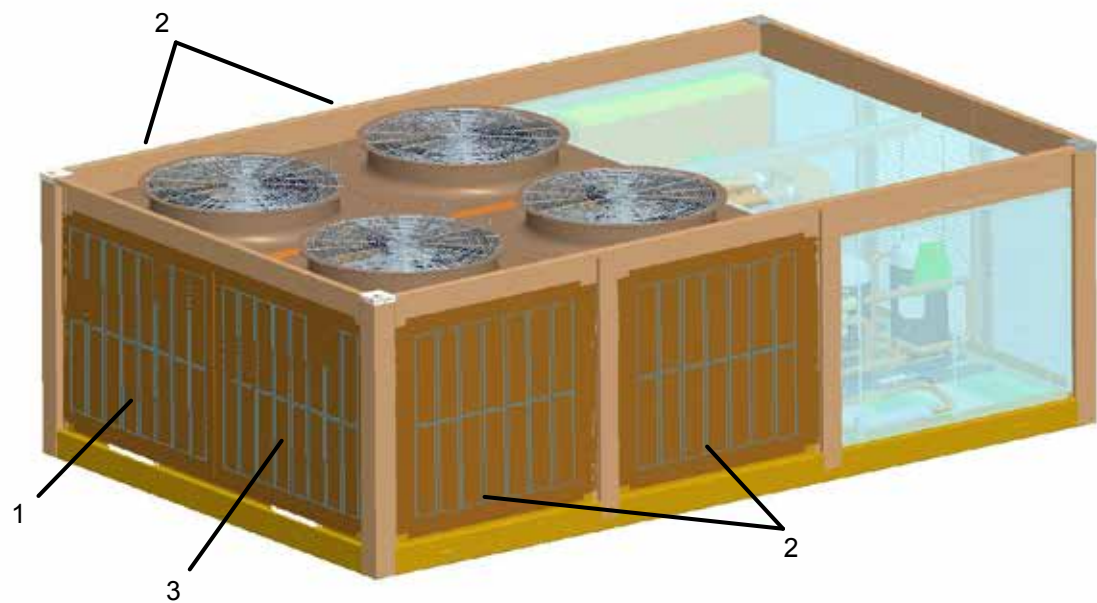


FIGURE 20 - WIRE ENCLOSURE PARTS

TABLE 22 - WIRE ENCLOSURE PARTS

WIRE ENCLOSURE KIT COMPONENTS							
ITEM #	DESCRIPTION	YCUL0045 and YCUL0051		YCUL0055 and YCUL0065		YCUL0072	
		375-59527-000	QTY	375-59526-000	QTY	375-59525-000	QTY
1	WIRE PANEL, SIDES	026-41826-005	4	026-41826-003	4	026-41826-001	4
2	WIRE PANEL, REAR	026-41826-004	3	026-41826-002	3	026-41826-002	3

See Table 20 on page 38.



Reference Table 23 on page 40.

60803-000

FIGURE 21 - LOUVERED ENCLOSURE PARTS

TABLE 23 - LOUVERED ENCLOSURE PARTS

LOUVERED ENCLOSURE KIT COMPONENTS							
ITEM #	DESCRIPTION	YCUL0045 and YCUL0051		YCUL0055 and YCUL0065		YCUL0072	
		575-59445-000	QTY	575-59444-000	QTY	575-59443-000	QTY
1	LOUVERED PANEL	075-60803-012	1	075-60803-005	1	075-60803-005	1
2	LOUVERED PANEL	075-60803-002	4	075-60803-004	4	075-60803-007	4
3	LOUVERED PANEL	075-60803-003	1	075-60803-006	1	075-60803-006	1

See Table 21 on page 39.

SECTION 9 - CHILLER OPTIONS

TABLE 24 - 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 348 kg.	CP-1D-900	DARK GREEN	029-25334-003
766 to 1021 lbs.	348 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-1020	GOLD	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-WR	CHARCOAL	029-25335-001
826 to 1689 lbs.	375 to 766 kg.	RD-4-WR	BRICK RED	029-25335-002
1689 to 4000 lbs.	766 to 1814 kg.	RD-4-WR	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 177 kg.	Y2RSI-2D-460	GREEN	029-25336-006
392 to 605 lbs.	177 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 1696 kg.	Y2RSI-2D-3280N	PINK/GRAY/DARK BROWN	029-25336-014

TABLE 25 - FIELD INSTALLED OPTIONS KIT NUMBERS

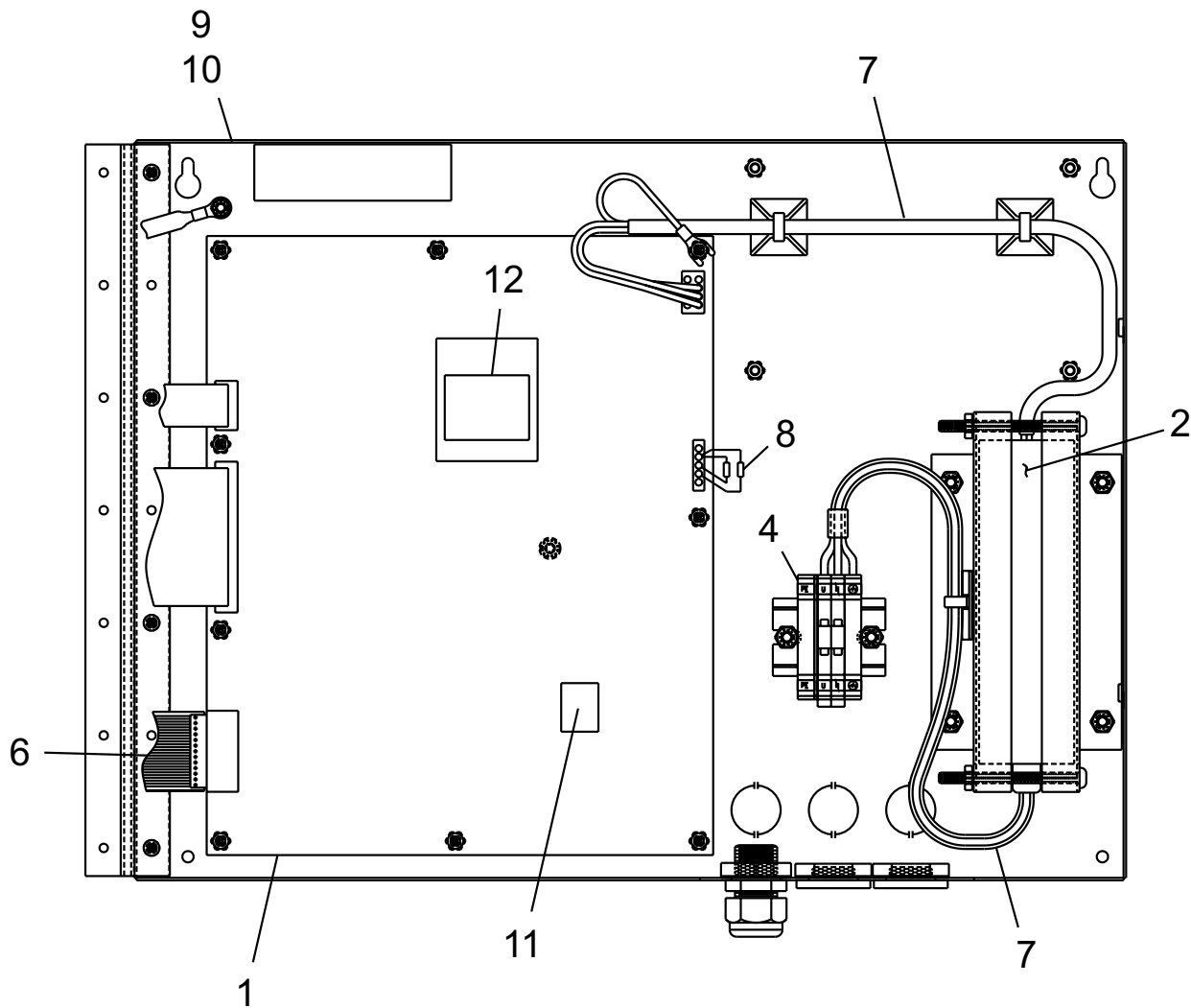
MODEL NUMBER YCUL	HOT GAS BY-PASS SOLENOID VALVE W/ HARNESS (1 CIRCUIT)	HOT GAS BY-PASS SOLENOID VALVE W/ HARNESS (2 CIRCUITS)	BAS/EMS TEMPERATURE RESET / OFFSET	MICRO GATEWAY	CHICAGO CODE RELIEF VALVE	MOTOR CURRENT MODULE KIT	DEHYDRATOR KIT	SEQUENCE CONTROL AND AUTOMATIC LEAD TRANSFER KIT	OPTVIEW REMOTE CONTROL PANEL	SOUND BLANKET KIT					
MODEL #	375-	375-	375-30914	371-04455	022-10682	371-04101	475-89391	371-02558	371-02750	310-06507					
0020	84599-700	N/A	-000	-010	-001	-001	-001	-008 (60Hz) -009 (50Hz)	-101	-717					
0024							-002			-736					
0031										-720					
0035						84766-800	84766-820			-000	-003	-710			
0045	84766-600	84766-620										-723			
0051						84766-700	-714								
0055						84766-500	84766-520								
0065															
0072															

*Note: Hot Gas By-Pass Solenoid Valve Only: 025-40962-001

TABLE 26 - CONTROL TRANSFORMER KIT

MODEL NUMBERS	VOLTAGE	CONTROL TRANSFORMER KIT PART NUMBER	LOW AMBIENT KIT** PART NUMBER
YCUL0020 and YCUL0024	-17	375-65193-101	375-61086-101
	-28	375-65193-102	375-61086-101
	-40	375-65193-103	375-61086-101
	-46	375-65193-104	375-61086-101
	-50	375-65193-105	375-61086-103
	-58	375-65193-106	375-61086-102
YCUL0031 and YCUL0035	-17	375-59641-101	375-72207-111
	-28	375-65193-102	375-72207-111
	-40	375-65193-103	375-72207-113
	-46	375-65193-104	375-72207-112
	-50	375-65193-105	375-72207-112
	-58	375-65193-106	375-72207-114
YCUL0045, 0051, 0055, 0065 and YCUL0072	-17	375-59641-101	375-72208-101
	-28	375-59641-102	375-72208-101
	-40	375-59641-103	375-72208-103
	-46	375-59641-104	375-72208-102
	-50	375-59641-105	375-72208-102
	-58	375-59641-106	375-72208-104

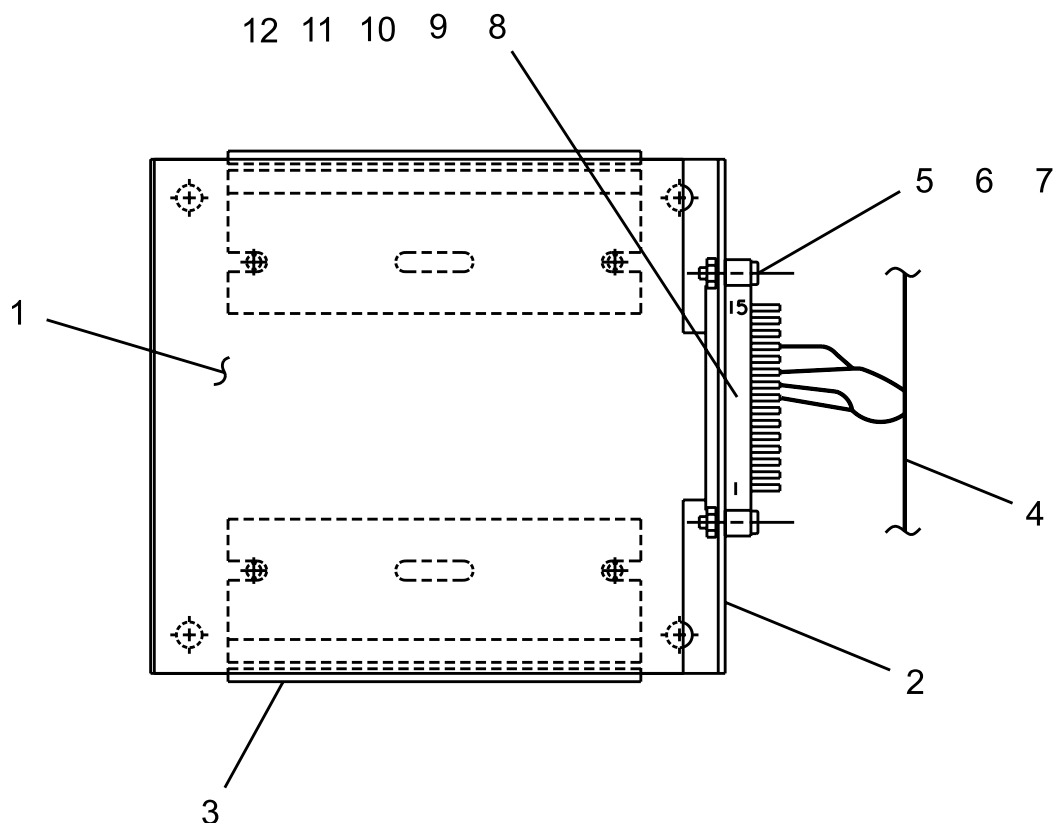
**Note: Low Ambient Kit VFD Only:
208 Volt = 024-35393-002
460 Volt = 024-35393-001



02750-3A

FIGURE 22 - OPTIVIEW REMOTE CONTROL CENTER PARTS**TABLE 27 - OPTIVIEW REMOTE CONTROL CENTER PARTS**

371-02750-101			
ITEM NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	Microprocessor Board	031-01730-002
2	1	Power Supply Assembly	371-02750-411
3	1	Keypad (Not Shown)	024-30974-001
4	1	Terminal Block	025-35120-000
5	1	Display (Not Shown)	331-02053-000
6	1	Ribbon Cable	031-02056-000
7	1	Wire Cable	571-02750-421
8	8	Lan Transient Protection Module	031-01586-000
9	1	Cover, Remote Control	371-02750-311
10	1	Base, Remote Control	071-02485-320
11	1	Eprom	031-01796-002
12	1	Flash Memory Card	031-02057-001



LD05256

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FIGURE 23 - REMOTE TEMPERATURE RESET KIT COMPONENTS

TABLE 28 - REMOTE TEMPERATURE RESET KIT COMPONENTS

375-90914-000			
ITEM NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	Control, Remote Current/Temperature	031-00814-000
2	1	Bracket, Remote Current/ Temperature Reset	371-01232-361
3	1	Track, Snap	071-01232-363
4	1	Wiring, Remote Current/ Temperature Reset	571-02492-231*
5	2	Screw, Machine Pan Head #4	021-17594-000
6	2	Nut, Hex #4 - 40 Unc-2B	021-10065-000
7	2	Lockwasher, Helical Spring #4 Regular	021-17576-000

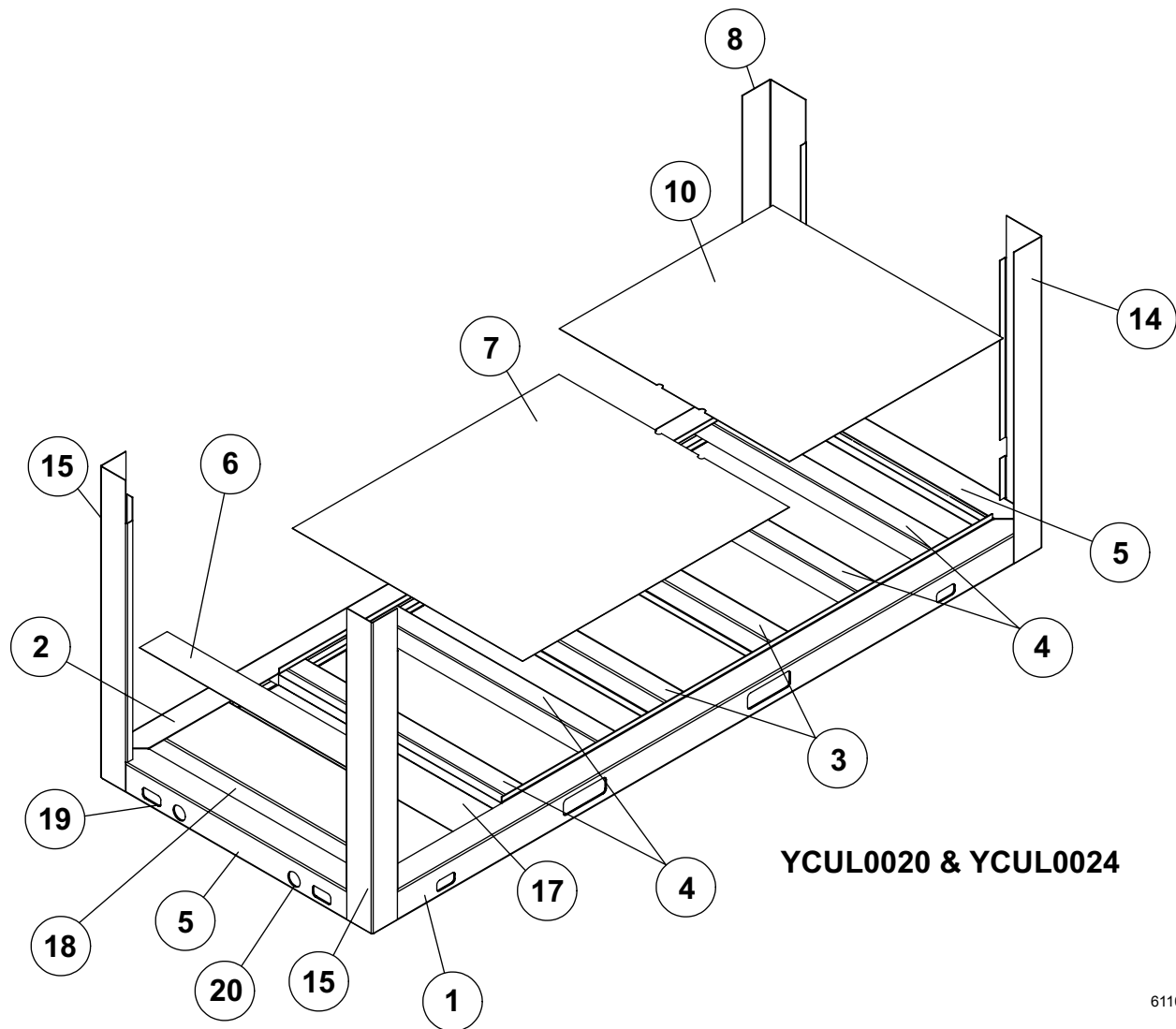
*Refer to Table 29

TABLE 29 - REMOTE RESET WIRING

ITEM NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
8	2	Cont Soc Awg Wire Size 20	025-19674-000
9	2	Terminal Push On Straight	025-06642-000
10	4	Tubing Heat Shrinkable 1/8" I.d.	025-29632-000
11	1	Hgs Connector Electrical Plug	025-32564-000*
12	1	Connector Edge, 15 Position, 0.125	025-17594-000

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SECTION 10 - FRAME RAIL COMPONENTS



61101-001

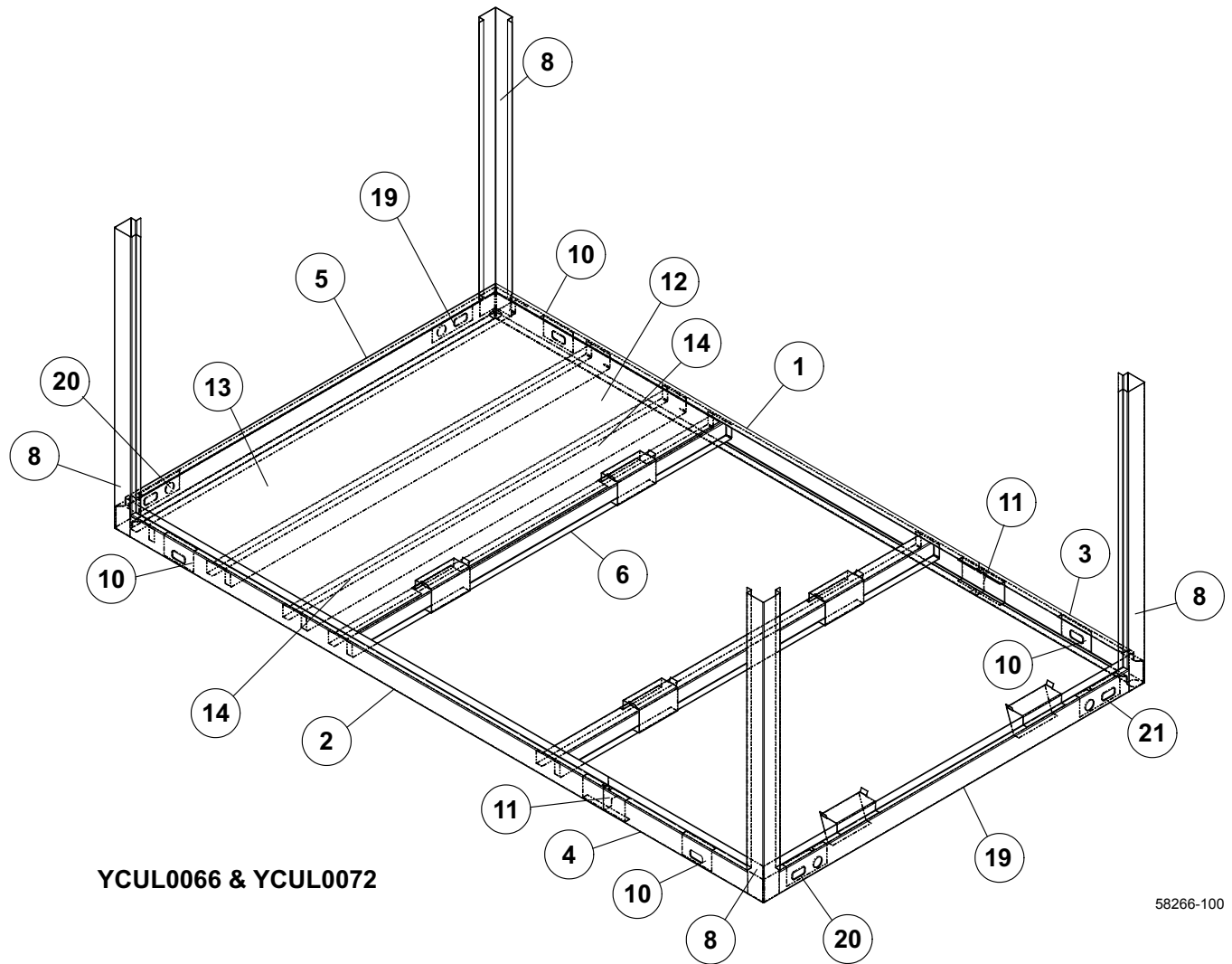
Refer to Table 30 on page 48.

FIGURE 24 - BASE RAIL COMPONENTS

TABLE 30 - BASE RAIL COMPONENTS

ITEM #	DESCRIPTION	YCUL MODELS	PART NUMBER	QTY
1	Rail, Base	0020, 0024	075-61068-002	1
		0031, 0035	075-61068-001	
2	Rail, Base	0020, 0024	075-61069-002	1
		0031, 0035	075-61068-001	
3	Rail, Crossmember	0020, 0024	075-61072-004	2
		0031	075-61085-039	
		0035	075-61072-002	
4	Rail, Crossmember	0020, 0024	075-61072-003	4
		0031, 0035	075-61072-001	
5	Rail, Crossmember	ALL	075-61070-001	2
6	Panel, Floor	0020, 0024	075-61075-009	1
		0031	075-61085-038	
		0035	075-61075-001	
7	Panel, Floor	0020, 0024	075-61075-005	1
		0031, 0035	075-61075-002	
8	Post, Corner	0020, 0024	075-61071-005	1
		0031, 0035	075-61071-001	
10	Panel, Floor	0020, 0024	075-61075-006	1
		0031, 0035	075-61075-003	
14	Post, Corner	0020, 0024	075-61071-004	1
		0031, 0035	075-61071-002	
15	Post, Corner	0020, 0024	075-61071-006	2
		0031, 0035	075-61071-003	
17	Panel, Floor	0020, 0024	075-61075-007	1
		0031, 0035	075-61075-005	
18	Rail, Crossmember	0020, 0024	075-61072-006	1
	Panel, Floor	0031, 0035	075-61075-008	
19	Plate, Lifting	ALL	075-62426-005	2
20	Plate, Lifting	ALL	075-62426-006	2

See Figure 24 on page 47.



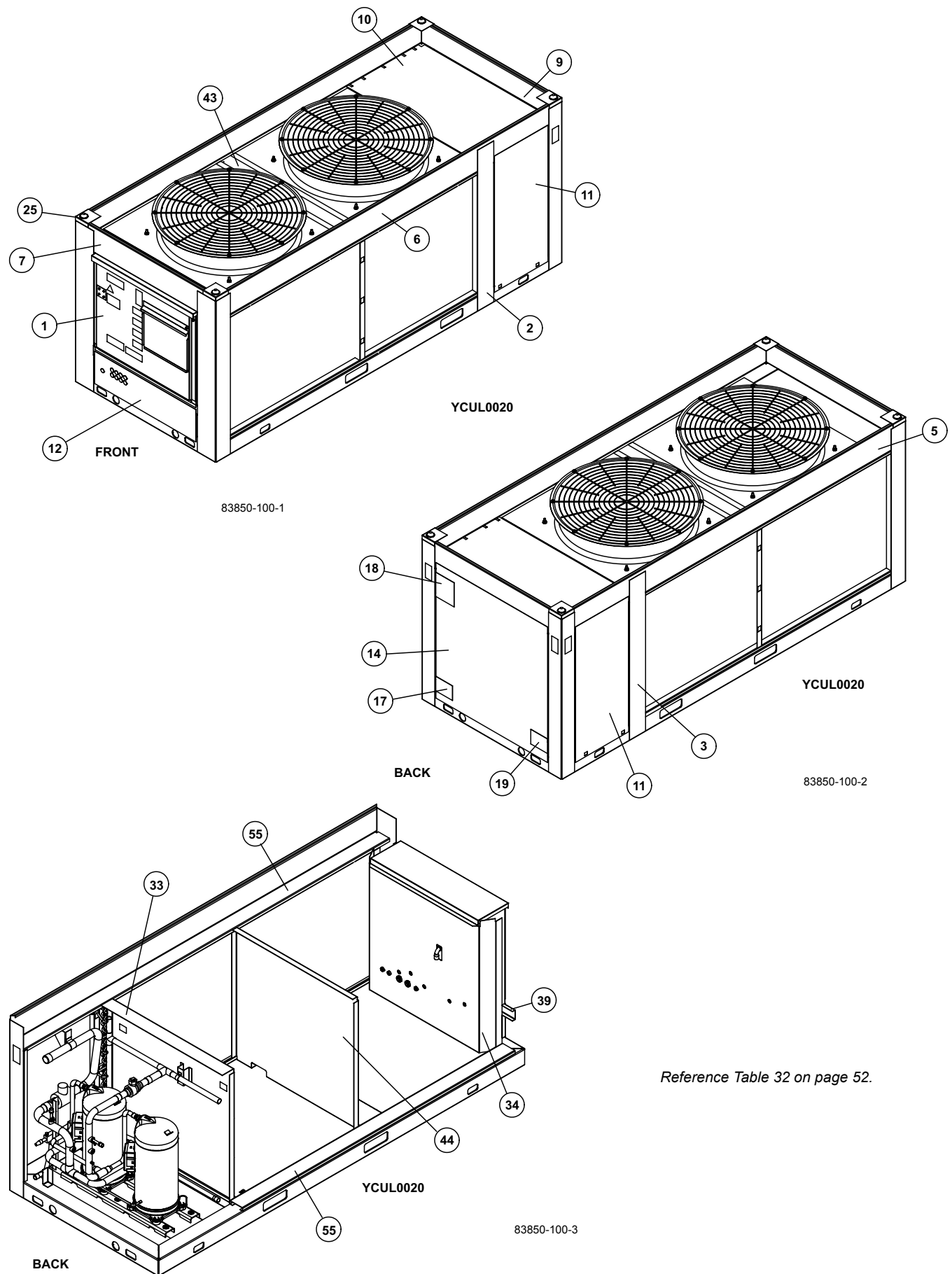
Reference Table 31 on page 50.

FIGURE 25 - BASE RAIL COMPONENTS

TABLE 31 - BASE RAIL COMPONENTS

ITEM #	DESCRIPTION	YCUL MODELS	PART NUMBER	QTY
1	Rail, Base	0045, 0051, 0055, 0065	075-58264-004	1
		0072	075-58264-001	
2	Rail, Base	0045, 0051, 0055, 0065	075-58263-004	1
		0072	075-58263-001	
3	Rail, Base	0045, 0051, 0055, 0065	075-58264-003	1
		0072	075-58264-002	
4	Rail, Base	0045, 0051, 0055, 0065	075-58263-003	1
		0072	075-58263-002	
5	Rail, Crossmember	ALL	075-58265-001	1
6	Rail, Crossmember	0045, 0051	075-58267-001	5
		0055, 0065	075-61085-040	
		0072	075-58267-001	
8	Post, Corner	0045, 0051	075-58259-002	4
		0055, 0065, 0072	075-58259-001	
10	Plate, Lifting	ALL	075-58288-001	4
11	Plate, Splice	ALL	075-58291-001	2
12	Panel, Floor	0045, 0051	075-58268-004	1
		0055	075-58268-016	
		0065	075-58268-019	
		0072	075-58268-002	
13	Panel, Floor	0045, 0051	075-58268-003	1
		0055	075-58268-017	
		0065	075-58268-018	
		0072	075-58268-001	
19	Rail, Crossmember	0045, 0051	075-58265-002	1
		0055, 0065, 0072	075-58265-001	
20	Plate, Lifting	ALL	075-62426-005	2
21	Plate, Lifting	ALL	075-62426-006	2

See Figure 25 on page 49.



Reference Table 32 on page 52.

FIGURE 26 - FRAME RAIL COMPONENTS

TABLE 32 - FRAME RAIL COMPONENTS

ITEM #	DESCRIPTION	YCIV MODELS	PART NUMBER	QTY
1	Panel, Enclosure	ALL	375-61073-000	1
2	Panel, Right	0020, 0024	075-61078-004	1
		0031, 0035	075-61078-001	
3	Panel, Left	0020, 0024	075-61078-003	1
		0031, 0035	075-61078-002	
4	Rail, Module	0031, 0035	075-61077-005	2
5	Rail, Module	0020, 0024	075-61077-007	1
		0031, 0035	075-61077-003	
6	Rail, Module	0020, 0024	075-61077-008	1
		0031, 0035	075-61077-004	
7	Rail, Module	0020, 0024	075-61077-010	1
		0031, 0035	075-61077-001	
8	Rail, Module	0031, 0035	075-61077-006	2
9	Rail, Module	0020, 0024	075-61077-002	1
		0031, 0035	075-61077-011	
10	Panel, Top	ALL	075-61079-001	1
11	Panel, Side	0020, 0024	075-61079-009	2
		0031, 0035	075-61079-002	
12	Panel, Front Access	0020, 0024	075-84190-010	1
		0031, 0035	075-84190-004	
14	Panel, Back	0020, 0024	075-61079-039	1
		0031, 0035	075-61079-036	
17	Panel, Back Access	ALL	075-61079-038	1
18	Panel, Back Access	0020, 0024	075-61079-040	1
		0031, 0035	N/A	
19	Panel, Back Access	0020, 0024	075-61079-041	1
		0031, 0035	075-61079-037	
25	Cap, Corner	ALL	073-19409-000	4
33	Panel, Divider	0020, 0024	075-84190-004	1
		0031	075-83853-001	
		0035	075-83853-013	
34	Panel, Divider	0020, 0024	075-83853-010	1
		0031, 0035	075-83853-008	
39	Rail, Module	ALL	073-61080-001	1
43	Panel, Top	0020, 0024	075-61078-006	1
		0031, 0035	N/A	
44	Panel, Divider	0020, 0024	075-84190-000	1
		0031	075-83853-002	
		0035	075-83853-012	

See Figure 26 on page 51.

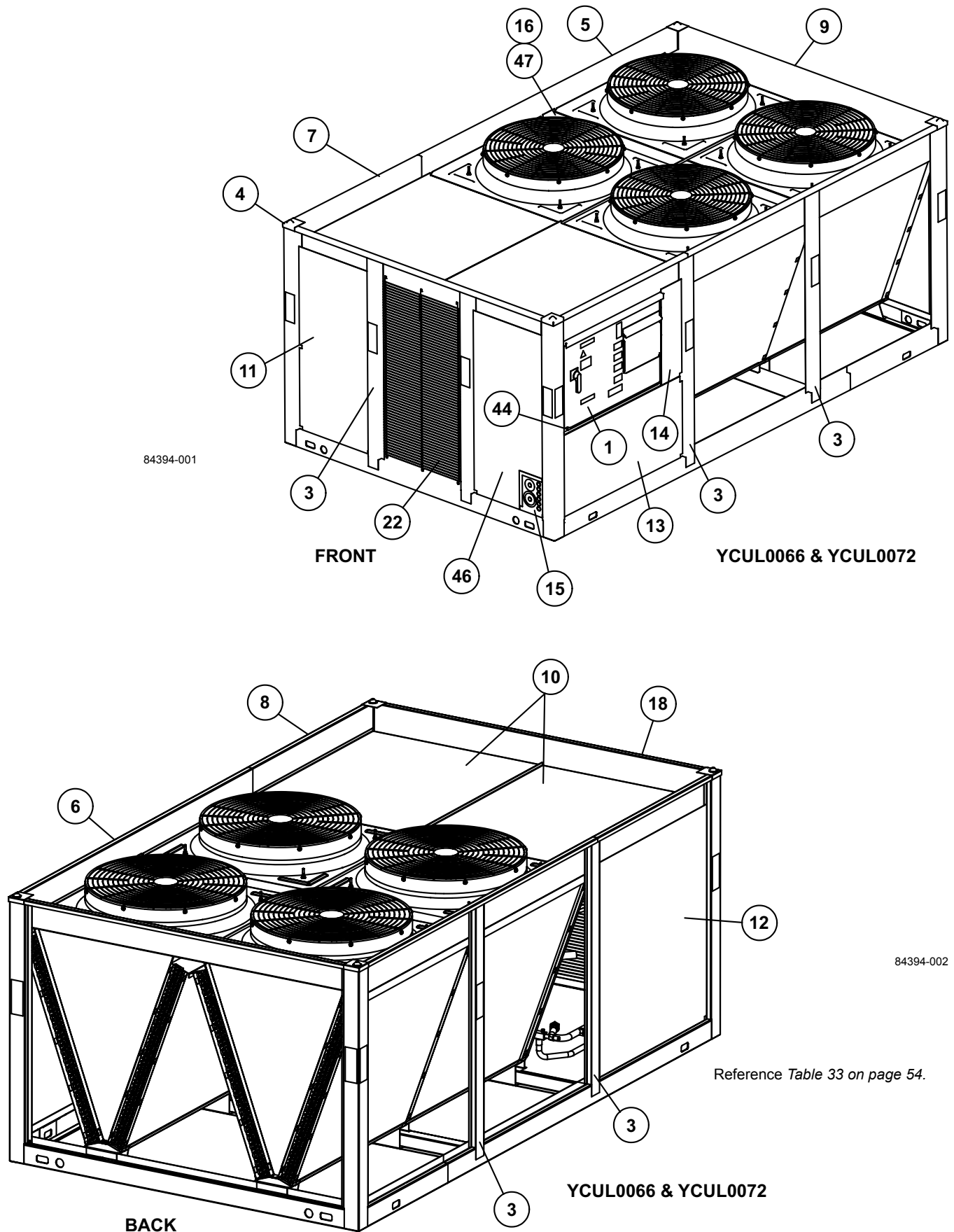


FIGURE 27 - FRAME RAIL COMPONENTS

TABLE 33 - FRAME RAIL COMPONENTS

ITEM #	DESCRIPTION	YCIV MODELS	PART NUMBER	QUANTITY
1	Panel, Enclosure	ALL	375-55956-000	1
3	Rail, Module	0045, 0051	075-55889-004	6
		0055, 0065, 0072	075-55889-001	
4	Cap, Corner	ALL	073-19409-000	4
5	Rail, Module	0045, 0051	075-58261-003	1
		0055, 0065	075-58261-002	
		0072	075-58261-001	
6	Rail, Module	0045, 0051	075-58258-003	1
		0055, 0065	075-58258-002	
		0072	075-58258-001	
7	Rail, Module	0045, 0051	075-58260-002	1
		0055, 0065, 0072	075-58260-001	
8	Rail, Module	0045, 0051	075-58257-002	1
		0055, 0065, 0072	075-58257-001	
9	Rail, Module	0045, 0051	075-58262-005	1
		0055, 0065	075-58262-003	
		0072	075-58262-001	
10	Panel, Top	ALL	075-58280-001	1
11	Panel, Front	0045, 0051	075-58273-007	1
		0055, 0065, 0072	075-58273-001	
12	Panel, Left	0045, 0051	075-58273-008	1
		0055, 0065, 0072	075-58273-002	
13	Panel, Bottom Right	0045, 0051	075-58273-009	1
		0055, 0065, 0072	075-58273-003	
14	Panel, Top Right	ALL	075-58273-004	1
15	Panel, Bottom Right	ALL	075-58273-005	1
16	Panel, Top	0045, 0051, 0055, 0065	N/A	1
		0072	075-58278-001	
17	Rail, Module	ALL	075-55889-002	1
18	Rail, Module	0045, 0051	075-58262-004	1
		0055, 0065, 0072	075-58262-002	
22	Guard, Coil	0045, 0051, 0055, 0065	026-46034-004	1
		0072	026-41826-002	
44	Rail, Module	ALL	075-55938-002	1
46	Panel, Front	0045, 0051	075-58273-010	1
		0055, 0065, 0072	075-58273-006	
47	Panel, Top	0045, 0051, 0055, 0065	N/A	1
		0072	075-58278-002	

See Figure 27 on page 53

SECTION 11 - SPARE PARTS

TABLE 34 - RECOMMENDED SPARE PARTS - YCUL STYLE 'E' CHILLERS

York Model YCUL Style E Air Cooled Liquid Chillers Suggested Spare Parts List for Critical Duty Applications				
PAGE REF. & ITEM NUMBER	DESCRIPTION	MODEL NUMBER YCUL	VOLTAGE CODE	PART NUMBER
Page 7, Item 1	Fan Motor (Standard)	0020 & 0024	-17 & -28	024-35427-002
			-40	024-35427-004
			-46 & -50	024-35427-001
			-58	024-35427-003
Page 8, Item 1	Fan Motor (Standard)	0031, 0035, 0045, 0051, 0055, 0065 & 0072	-17	024-27322-103
			-28	024-27322-106
			-40	024-27322-104
			-46 & -50	024-27322-107
			-58	024-27322-102
Page 8, Item 1	Fan Motor (Ultra Low Noise)	0031, 0035, 0045, 0051, 0055, 0065 & 0072	-17 & -28	024-34980-002
			-40	024-34980-005
			-46 & -50	024-34980-001
			-58	024-34980-004
Pages 7 and 8, Item 2	Fan Blade (Standard)	0020 & 0024	All	026-43008-000
		0045, 0051 & 0055		026-41592-000
		0031, 0035, 0065 & 0072		026-41594-000
Page 8, Item 2	Fan Blade (Ultra Low Noise)	0045, 0051 & 0055	All	026-41593-000
		0031, 0035, 0065 & 0072		026-41942-000
Pages 16, 17 and 18, Item 4	Valve, Liquid Line	See Table 6	All	022-11306-000
				022-10022-000
Page 18, Item OIL	Oil, Compressor - (6) 1 Gallon	All	All	011-00948-000
	Oil, Compressor - 5 Gallon			011-00949-000
Page 35, Item 1	Sensor, Outside Air	0020-0035	All	025-40273-008
		0045-0055		025-40273-006
		0065-0072	All	025-40273-003
Page 35, Item 5	Transducer, Suction Pressure	All	All	025-29583-000
Page 35, Item 6	Transducer, Discharge Pressure	All	All	025-41756-002
				025-41756-003
Page 35, Item 7	Switch, High Pressure Cut-Out	All	All	025-41535-000

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



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