



AIR-COOLED SCREW LIQUID CHILLERS

RENEWAL PARTS

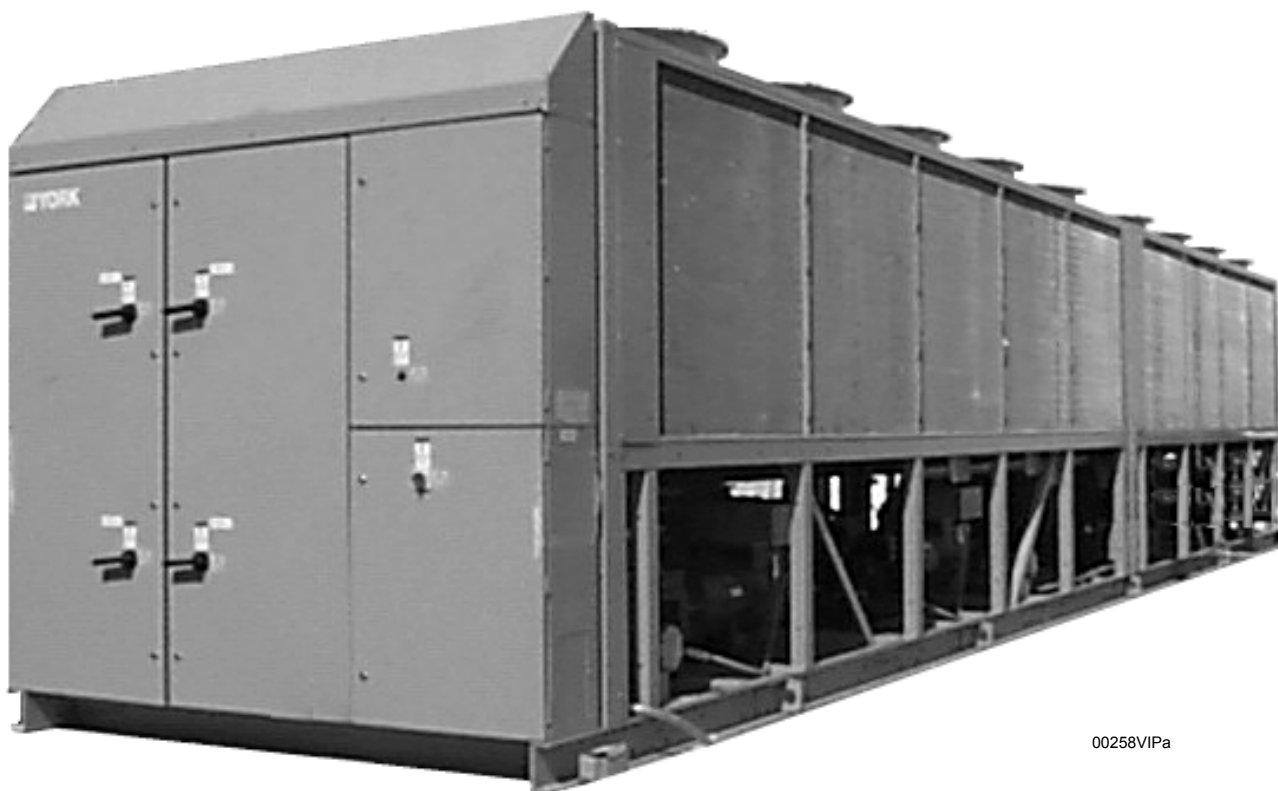
New Release

Form: 201.19-RP4 (504)

**MODELS YCAS0693, 0773, 0783, 0873 AND YCAS0953
(3 COMPRESSOR)**

**MODELS YCAS1063, 1093, 1163 and YCAS1263
(4 COMPRESSOR)**

STYLE "G"



00258VIPa

244 - 420 TON
855 - 1474Kw
50 Hz



380-415/3/50
MODELS ONLY

CHANGEABILITY OF THIS DOCUMENT

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

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

Literature updates that may occur will be posted on the Revision Sheet which is included with all manuals. If not found with the manual, the Revision Sheet can be found on the internet at www.york.com.

Revision Sheets exist for the IOM and Renewal Parts

Each update will be assigned a sequential Revision Level with the date it was introduced

The Description/Change will explain the change. If necessary it will refer the reader to an additional supplement or bulletin

YORK part number for the Revision Sheet to aid manufacturing and distribution

Web address for the Revision Sheets

		AIR-COOLED SCREW LIQUID CHILLERS REVISION SHEET TO RENEWAL PARTS	
REVISION SHEET		Rev Level: New	Form: 201.19-RP4 REV

**YCAS AIR-COOLED LIQUID CHILLERS
YCAS0693 THROUGH YCAS1263
STYLE "G"**

<u>REVISION LEVEL</u>	<u>DATE</u>	<u>DESCRIPTION/REFERENCE</u>
A	00/00/0	No changes to 201.19-RP4 (504) to date.

035-XXXXXX-XXX

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WARNING

HIGH VOLTAGE

Is used in the operation of this equipment.

DEATH OR SERIOUS INJURY

may result if personnel fail to observe safety precautions.

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

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

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

LOW VOLTAGE

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

UNIT NOMENCLATURE NAMEPLATE ENGINEERING DATA

BASIC PART NUMBER

YCAS0170EC40XGA

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BASE PRODUCT TYPE				NOMINAL CAPACITY				UNIT DESIGNATOR	REFRIGERANT	VOLTAGE/STARTER			DESIGN/DEVELOPMENT LEVEL	
Y	C	A	S	#	#	#	#	S	C	1	7		G	
: YORK				Tons/Kw				Standard		:200/3/60			:Design Series G	
: Chiller				0693				E High Efficiency		:230/3/60				
: Air Cooled				0773				G High Ambient		:380/3/60			A	
S: Screw				0783						:460/3/60			:Engineering	
				0873						:380-415/3/50			Change	
				0953						:575/3/60			or PIN Level	
				1063						X :Across the Line				
				1093						Y :Wye Delta				
				1163										
				1263										

PART NUMBER – LETTER CODES

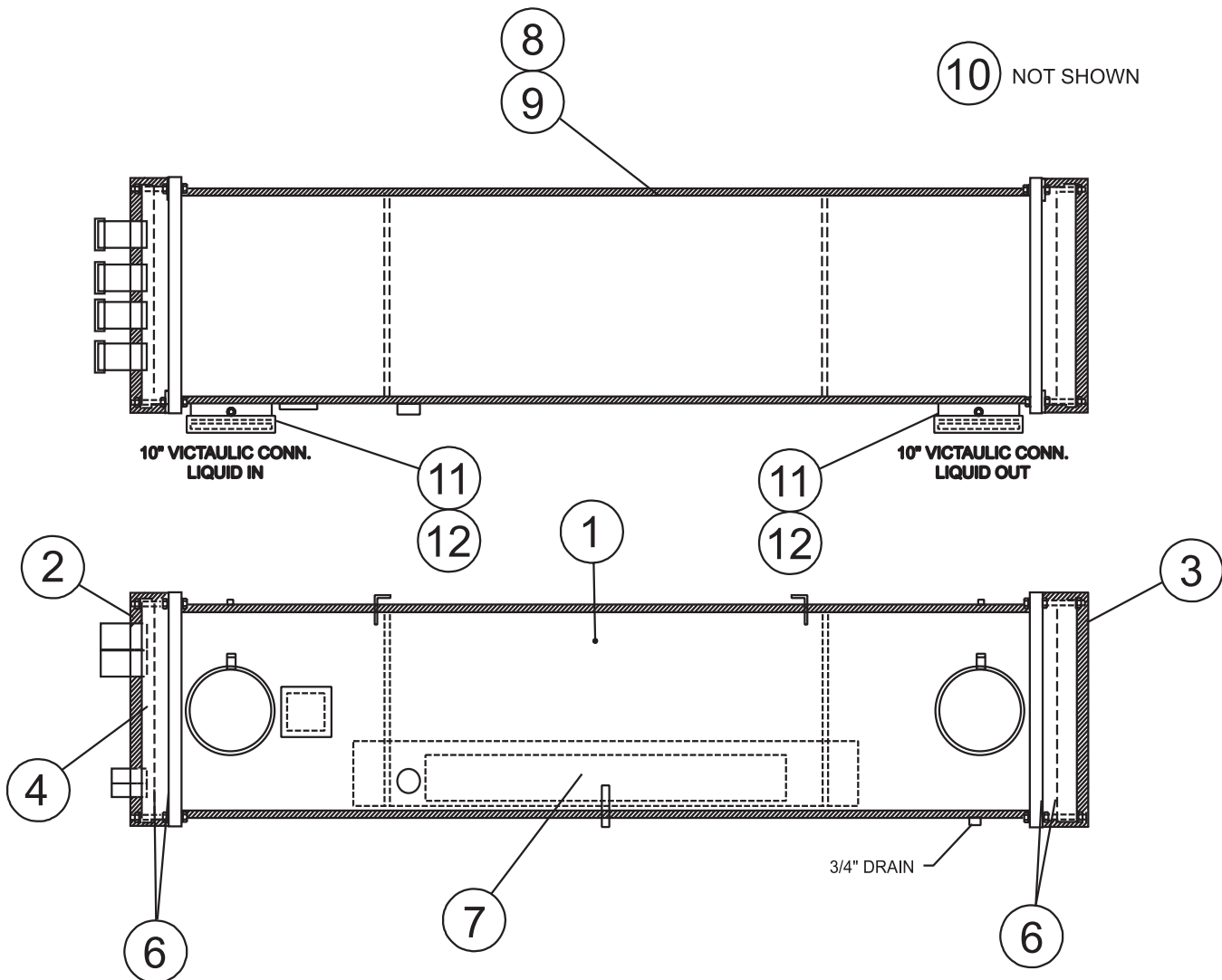
16	17	18	19		20	21	22	23	24	25	26	27	28		29	30	31	32	33	34	35	36	37
POWER FIELD					CONTROLS FIELD									COMPRESSOR / PIPING FIELD									
X	X				X										#	#							
M	D				T										T	S							
M	B				C												C						
M	N				B												S						
S	B				M												B						
D	B						S																
D	P						F																
S	N																						
D	N																						
			T																				
			C																				
: Standard Power Option					: No Ambient Kit									:Low Temp. Brine (LBrT)									
: MP NF Disconnect Switch					: Temp. Reset / Offset									:Thermal Storage									
: MP TB w/Ind. Sys. CB					: Current Reset / Offset									:Chicago Relief Code									
: MP TB w/Ind. Sys. NFDS					: Temp. and Current Reset / Offset									:Service Isolation Valve									
: SP TB w/Ind. Sys. CB					: ISN Microgateway									:Both Chicago Relief Code									
: SP NF Disconnect Switch w/Ind. Sys. CB					: Spanish LCD & Keypad Display									: & Isolation Valve									
: MP NF Disconnect Switch w/Ind. Sys. CB					: French LCD & Keypad Display																		
: SP TB w/Ind. Sys. NFDS					:																		
: SP NFDS w/Ind. Sys. NFDS					:																		
: Control Transformer					:																		
: Control Circuit Power Terminal Strip					:																		
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EVAPORATOR COMPONENTS

Service Note:

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

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



47506-000

Service Note:

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

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

Differential Pressure Switch - 025-30919-000

FIG. 1 – EVAPORATOR COMPONENTS - 4 COMPRESSOR SHOWN
(REF. TABLES 1 AND 1A, PAGE 7)

EVAPORATOR COMPONENTS (CONT'D)

Evaporator

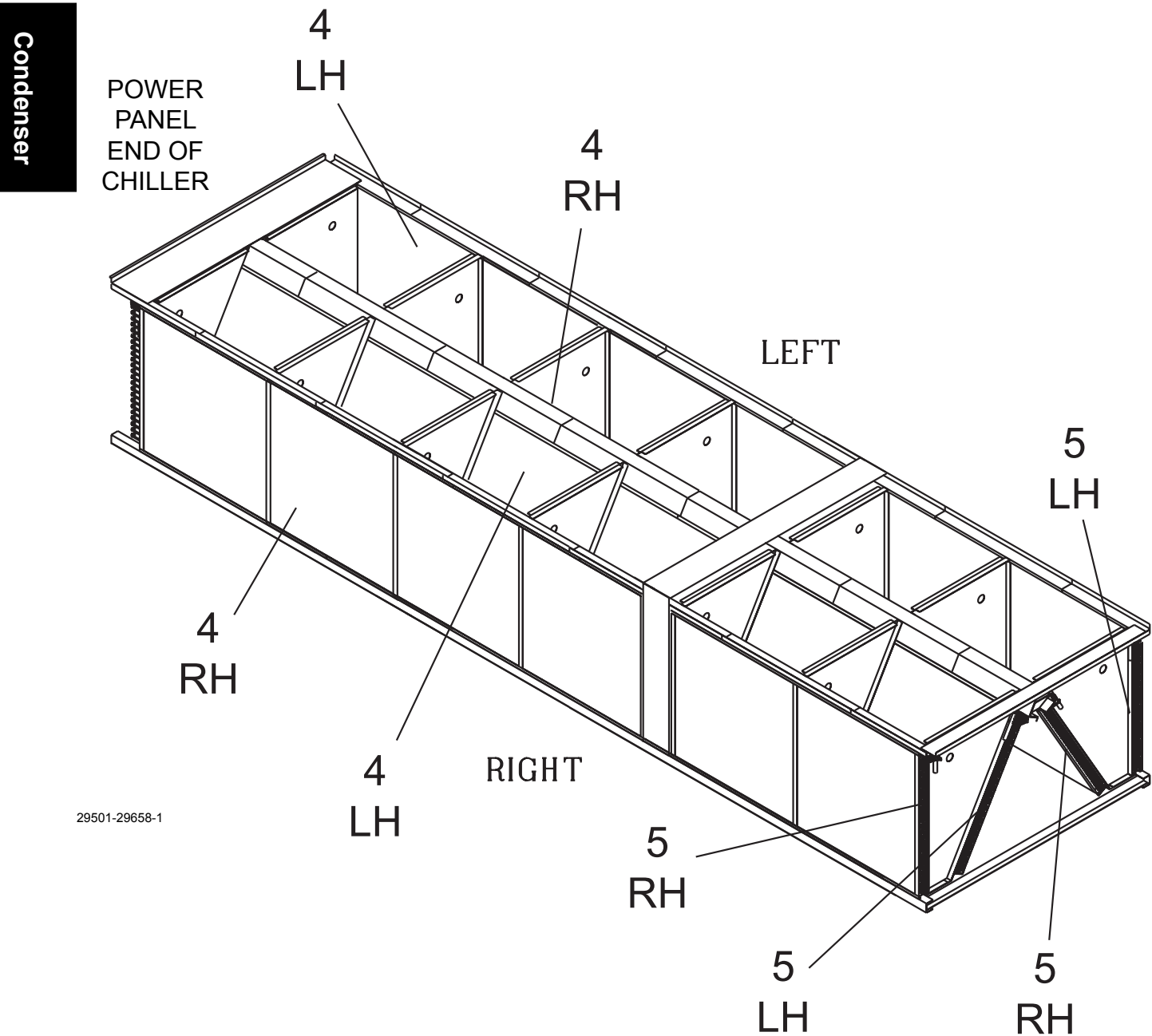
TABLE 1 – EVAPORATOR COMPONENTS - 150 PSIG (SEE FIG. 1, PAGE 6)

ITEM NUMBER	QTY PER UNIT	DESCRIPTION	DWP	UNIT MODELS YCAS0693, 0773, 0783, 0873 AND YCAS0953 375-47510-001	UNIT MODEL YCAS1063, 1093, 1163 AND YCAS1263 375-47506-001
1	1	Evaporator, less Heater & Insulation	ALL	375-47531-000	375-47507-000
2	1	Head, Connection End	ALL	375-47537-000	375-47535-000
3	1	Head, Back End	ALL	375-47538-000	375-47536-000
4	1	Baffle, Connection End	ALL	375-47585-000	375-47570-000
6	4	Gasket, Baffle and Head	ALL	075-49355-000	075-49358-000
7	2	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000
8	-	Insulation (3/4"x49"x65")	ALL	010-05997-000	010-05997-000
9	-	Insulation (1 1/2"x49"x65")		010-05998-000	010-05998-000
10	1 qt.	Adhesive (Use with #6)	ALL	013-03311-000	
11	2	Sensor, Water Temperature	ALL	025-29964-000	025-29964-000
12	2	Well, Thermo	ALL	026-33627-000	026-33627-000

TABLE 1A – EVAPORATOR COMPONENTS - 300 PSIG (SEE FIG. 1, PAGE 6)

ITEM NUMBER	QTY PER UNIT	DESCRIPTION	DWP	UNIT MODELS YCAS0693, 0773, 0783, 0873 AND YCAS0953 375-47512-001	UNIT MODELS YCAS1063, 1093, 1163 AND YCAS1263 375-47508-001
1	1	Evaporator, less Heater & Insulation	ALL	375-47533-000	375-47511-000
2	1	Head, Connection End	ALL	375-47537-000	375-47535-000
3	1	Head, Back End	ALL	375-47538-000	375-47536-000
4	1	Baffle	ALL	375-47582-000	375-47576-000
6	4	Gasket, Baffle and Head	ALL	075-49355-000	075-49358-000
7	2	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000
8	-	Insulation (3/4"x49"x65")	ALL	010-05997-000	010-05997-000
9	-	Insulation (1 1/2"x49"x65")		010-05998-000	010-05998-000
10	1 qt.	Adhesive (Use with #6)	ALL	013-03311-000	
11	2	Sensor, Water Temperature	ALL	025-29964-000	025-29964-000
12	2	Well, Thermo	ALL	026-33627-000	026-33627-000

CONDENSER COIL COMPONENTS



29501-29658-1

FIG. 2 – CONDENSER COIL COMPONENTS - YCAS0250 & YCAS0270 SHOWN
(REF. TABLE 2, PAGES 9 AND 10)

CONDENSER COIL COMPONENTS (CONT'D)

TABLE 2 – CONDENSER COIL COMPONENTS (SEE FIG. 2, PAGE 10)

ITEM NUMBER	DESCRIPTION	POSITION		QTY	MODELS YCAS0693 AND YCAS0773 12' & 8' COILS	MODELS YCAS0783, 0873 AND YCAS0953 16' & 8' COILS
ALUMINUM FIN COILS						
4	Coil Assembly*	Front	RH	2	375-27435-001	375-25578-001
			LH	2	375-27435-002	375-25578-002
Rear		RH	2	375-29658-001	375-29658-001	
		LH	2	375-29658-002	375-29658-002	
5						
BLACK FIN COILS						
4	Coil Assembly*	Front	RH	2	375-23772-001	375-23771-001
			LH	2	375-23772-002	375-23771-002
Rear		RH	2	375-29859-001	375-29859-001	
		LH	2	375-29859-002	375-29859-002	
5						
PHENOLIC COILS						
4	Coil Assembly*	Front	RH	2	375-29011-001	375-29009-001
			LH	2	375-29011-002	375-29009-002
Rear		RH	2	375-29860-001	375-29860-001	
		LH	2	375-29860-002	375-29860-002	
5						
COPPER COILS						
4	Coil Assembly*	Front	RH	2	375-23778-001	375-23777-001
			LH	2	375-23778-002	375-23777-002
Rear		RH	2	375-29861-001	375-29861-001	
		LH	2	375-29861-002	375-29861-002	
5						

***Note:** Coil Assembly includes coil and headers.

***Note:** Coils for each circuit are denoted left and right as viewed from the power panel end of chiller.

CONDENSER COIL COMPONENTS (CONT'D)

TABLE 2 (CONT'D) – CONDENSER COIL COMPONENTS (SEE FIG. 2, PAGE 8)

ITEM NUMBER	DESCRIPTION	POSITION		QTY	MODEL YCAS1063 20' & 12' COILS	MODELS YCAS1093 16' & 12' COILS	MODELS YCAS1163 AND YCAS1263 16' & 16' COILS
ALUMINUM FIN COILS							
4	Coil Assembly*	Front	RH	2	375-25578-001	375-29501-001	375-29501-001
			LH	2	375-25578-002	375-29501-002	375-29501-002
5		Rear	RH	2	375-27435-001	375-27435-001	375-29501-001
			LH	2	375-27435-002	375-27435-002	375-29501-002
BLACK FIN COILS							
4	Coil Assembly*	Front	RH	2	375-23771-001	375-23770-001	375-23770-001
			LH	2	375-23771-002	375-23770-002	375-23770-002
5		Rear	RH	2	375-23772-001	375-23772-001	375-23770-001
			LH	2	375-23772-002	375-23772-002	375-23770-002
PHENOLIC COILS							
4	Coil Assembly*	Front	RH	2	375-29009-001	375-29010-001	375-29010-001
			LH	2	375-29009-002	375-29010-002	375-29010-002
5		Rear	RH	2	375-29011-001	375-29011-001	375-29010-001
			LH	2	375-29011-002	375-29011-002	375-29010-002
COPPER COILS							
4	Coil Assembly*	Front	RH	2	375-23777-001	375-23776-001	375-23776-001
			LH	2	375-23777-002	375-23776-002	375-23776-002
5		Rear	RH	2	375-23778-001	375-23778-001	375-23776-001
			LH	2	375-23778-002	375-23778-002	375-23776-002

***Note:** Coil Assembly includes coil and headers.

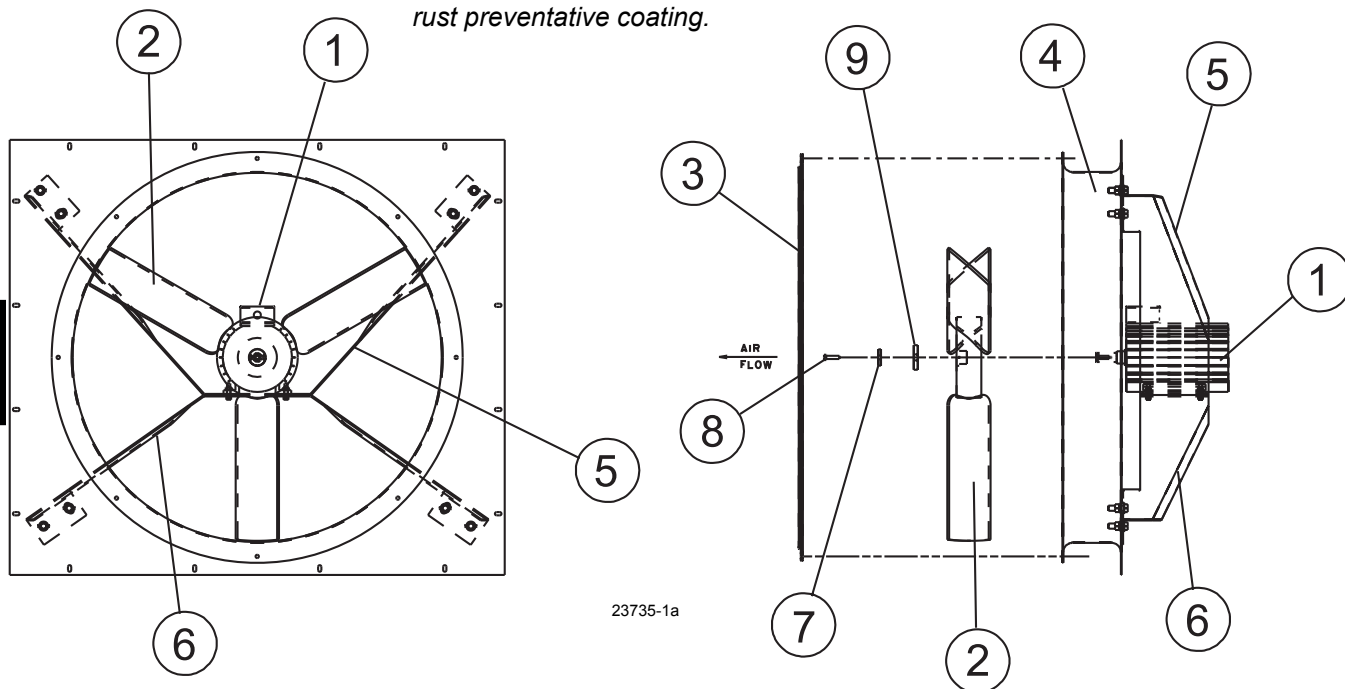
***Note:** Coils for each circuit are denoted left and right as viewed from the power panel end of chiller.

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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.



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

FIG. 3 – FAN COMPONENTS

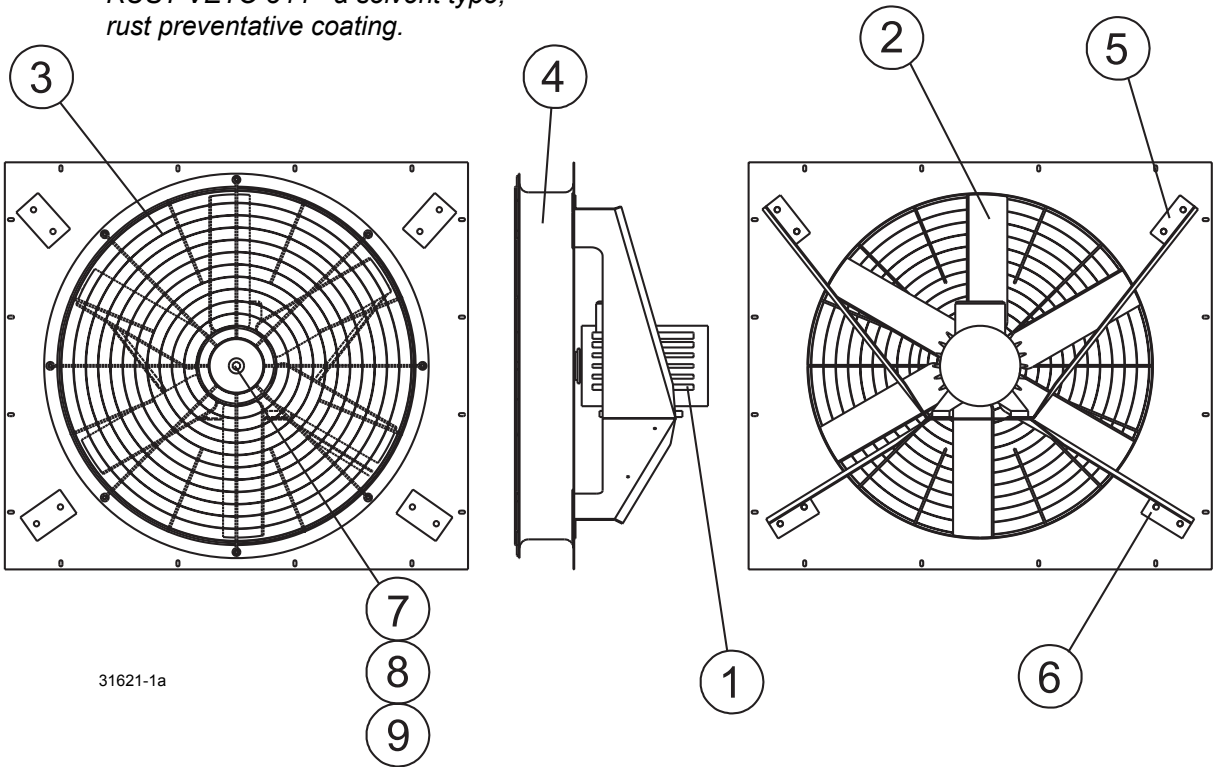
TABLE 3 – FAN COMPONENTS

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD 7/8", 1160 RPM	LOW NOISE 7/8", 850 RPM
1 ^s	Motor, Fan 2 HP (YCAS0693-YCAS1263)	-50	024-30900-001	024-30933-001
2 ^s	Blade (900mm)	All	026-41599-000	026-41601-000
3	Guard	All	026-35605-001	026-35605-002
4	Orifice	All	026-36141-000	
5	Support, Inner	All	075-46054-000	075-25584-000
6	Support, Outer	All	075-46053-000	075-25583-000
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	

^s = Recommended Spare Parts

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.



Service Note: Pin Location 52 in Model Number will be "H" for High Static Fan. See page 4.

FIG. 3a – FAN COMPONENTS

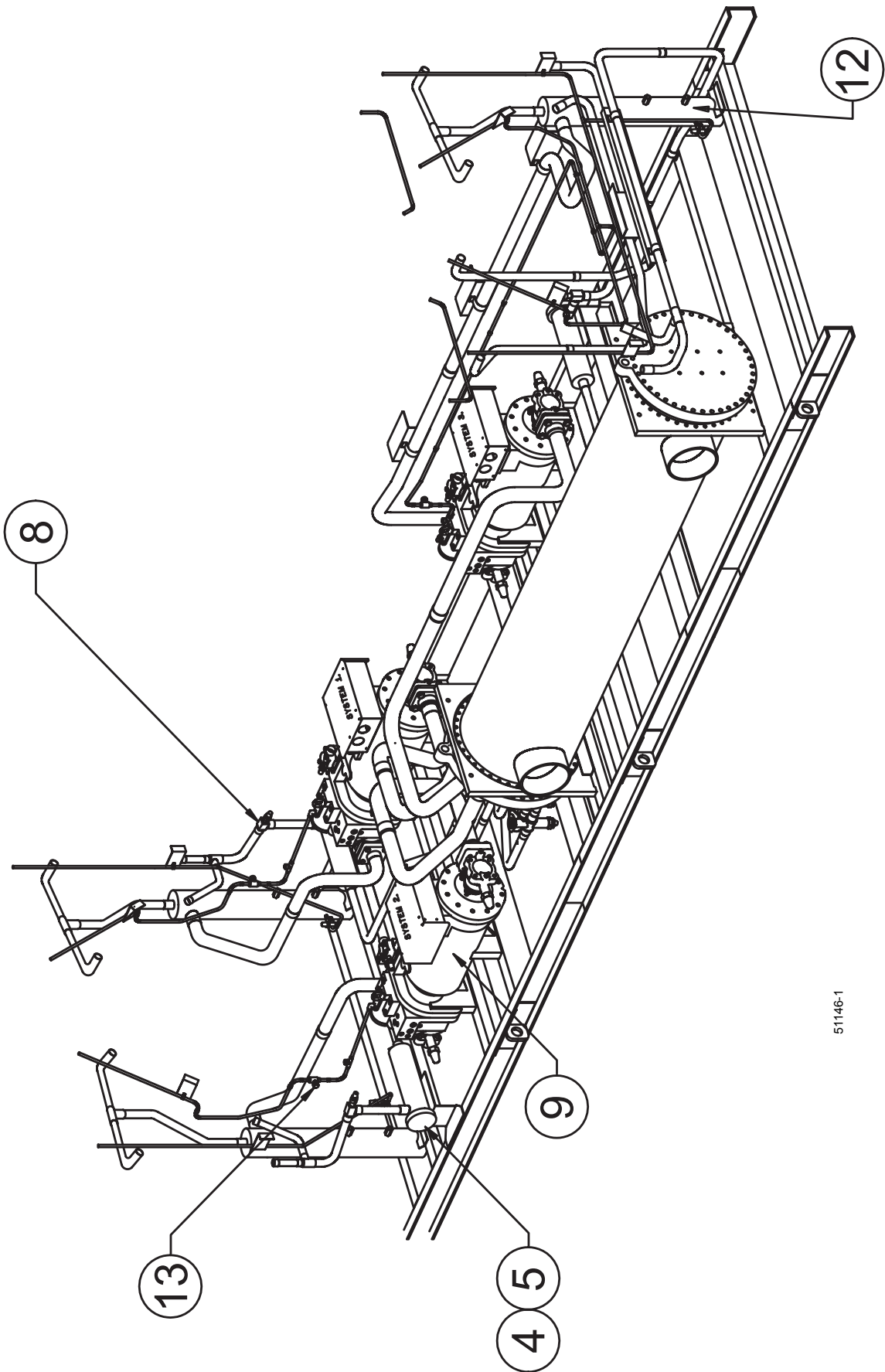
TABLE 3a – FAN COMPONENTS

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE
			HIGH STATIC 7/8", 1160 RPM
1 ^s	Motor, Fan 5 HP (YCAS0693-YCAS1263)	-50	024-24604-001
2 ^s	Blade	All	026-41602-000
3	Guard	All	026-35605-001
4	Orifice	All	026-36141-000
5	Support, Upper Right	All	075-31614-000
	Support, Upper Left		075-31615-000
6	Support, Lower	All	075-31616-000
7	Spacer (.531 I.D.)	All	075-29007-001
8	Screw, Cap (M8x125)	All	021-18019-000
9	Spacer (1.406 I.D.)	All	075-40486-000

^s = Recommended Spare Parts

REFRIGERANT PIPING COMPONENTS
CHILLER MODEL YCAS 3 COMPRESSOR

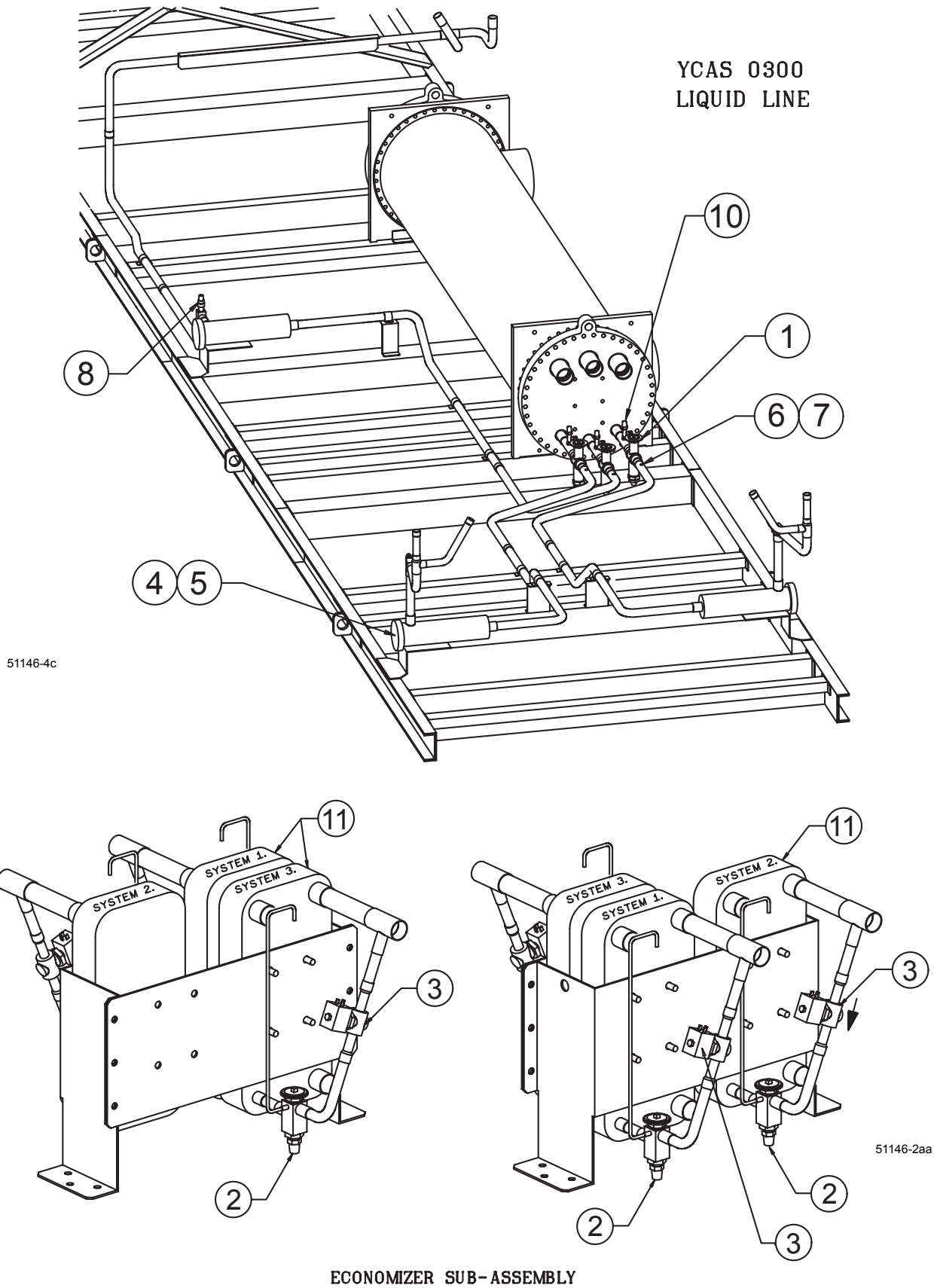
Piping



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FIG. 4 – 3 COMPRESSOR PIPING COMPONENTS - MODEL YCAS0693 SHOWN (REF. TABLE 4, PAGE 16)

REFRIGERANT PIPING COMPONENTS (CONT'D)
CHILLER MODEL YCAS 3 COMPRESSOR



REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCAS 3 COMPRESSOR

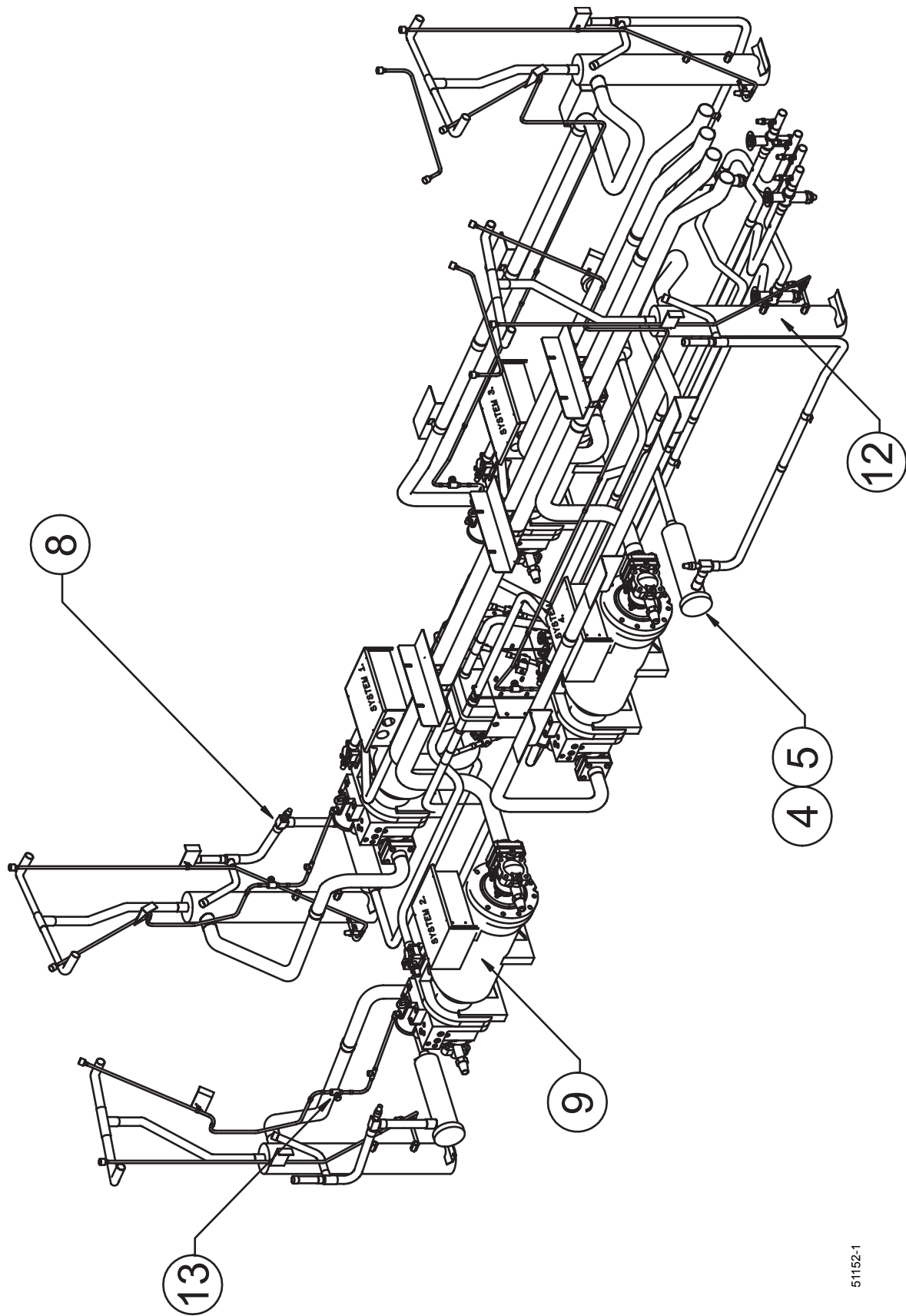
TABLE 4 – 3 COMPRESSOR PIPING COMPONENTS
(SEE FIGS. 4 AND 4A, PAGES 14 AND 15)

ITEM NO.	QTY PER UNIT	DESCRIPTION	SYSTEM	YCAS0693 375-51153-xxx	YCAS0773 375-51154-xxx	YCAS0783 375-51155-xxx
1^s	2	Valve, Electronic Expansion	Sys 1&2	025-37835-000	025-37835-000	025-37835-000
	1		Sys 3	025-37835-000	025-37857-000	025-37857-000
2	1	Valve, Thermal Expansion - Economizer	Sys 3	N/A	025-33280-000	N/A
3	1	Valve, Solenoid - Economizer	Sys 3	N/A	025-33282-000	N/A
4	3	Dehydrator, Body (Replaceable Core)	All	026-21055-000	026-21055-000	026-21055-000
5^s	6	Core, Dehydrator	All	026-37540-000	026-37540-000	026-37540-000
6	3	Moisture Indicator, Body	All	026-37545-000	026-37545-000	026-37545-000
7	3	Moisture Indicator, Sight Glass Cap	All	026-37548-000	026-37548-000	026-37548-000
8	3	Valve, Liquid Stop	All	022-09778-000	022-09778-000	022-09778-000
9	3	Compressor	All	See page 23		
10	6	Valve, Charging	All	022-09754-000	022-09754-000	022-09754-000
11	1	Economizer, Heat Exchanger	Sys 3	N/A	026-34418-000	N/A
12	2	Oil Separator	Sys 1&3	075-46145-002		
	1	Oil Separator	Sys 2	075-46145-001		
13	3	Valve, Ball (Oil Line)	All	022-09172-000	022-09172-000	022-09172-000

ITEM NO.	QTY PER UNIT	DESCRIPTION	SYSTEM	YCAS0873 375-51156-xxx	YCAS0953 375-51157-xxx
1^s	3	Valve, Electronic Expansion	All	025-37857-000	025-37857-000
2	3	Valve, Thermal Expansion - Economizer	All	N/A	025-33280-000
3	3	Valve, Solenoid - Economizer	All	N/A	025-33282-000
4	3	Dehydrator, Body (Replacable Core)	All	026-21055-000	026-21055-000
5^s	6	Core, Dehydrator	All	026-37540-000	026-37540-000
6	3	Moisture Indicator, Body	All	026-37545-000	026-37545-000
7	3	Moisture Indicator, Sight Glass Cap	All	026-37548-000	026-37548-000
8	3	Valve, Liquid Stop	All	022-09778-000	022-09778-000
9	3	Compressor	All	See page 23	
10	6	Valve, Charging	All	022-09754-000	022-09754-000
11	3	Economizer, Heat Exchanger	All	N/A	026-34418-000
12	2	Oil Separator	Sys 1&3	075-46145-002	
	1	Oil Separator	Sys 2	075-46145-001	
13	3	Valve, Ball (Oil Line)	All	022-09172-000	022-09172-000

^s = Recommended Spare Parts

REFRIGERANT PIPING COMPONENTS (CONT'D)
CHILLER MODEL YCAS 4 COMPRESSOR



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REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCAS 4 COMPRESSOR

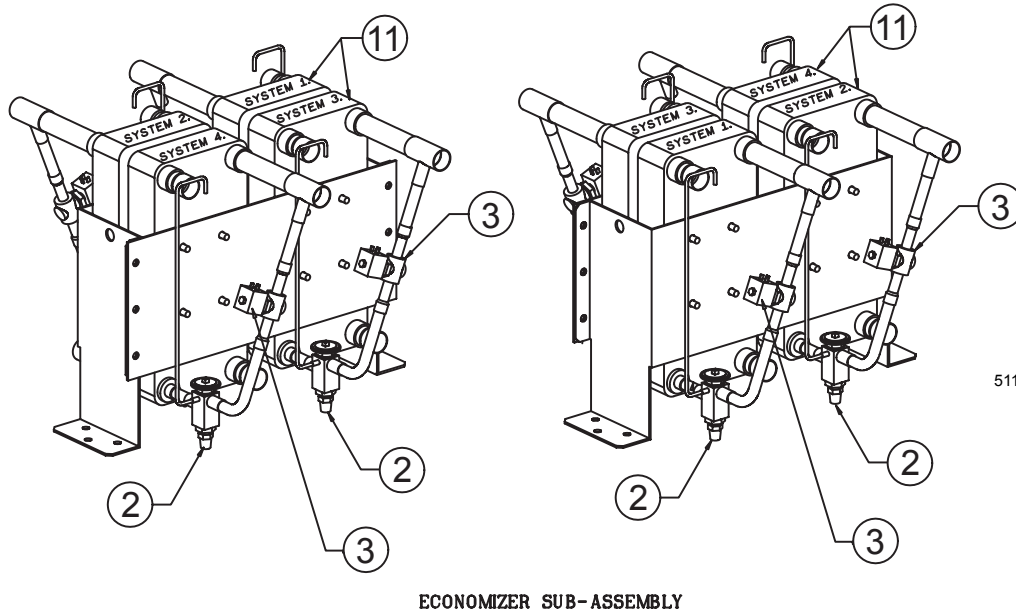
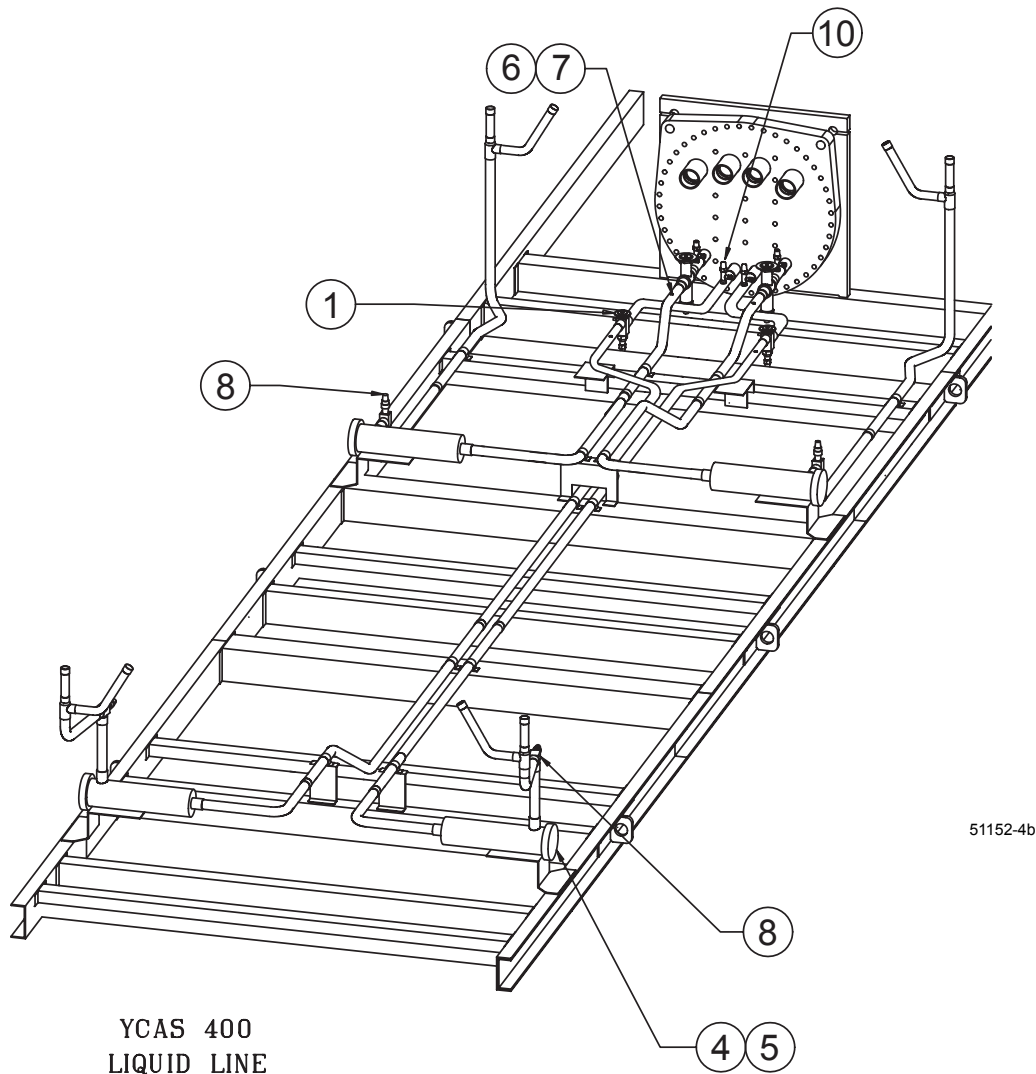


FIG. 5a – 4 COMPRESSOR PIPING COMPONENTS (REF. TABLE 5, PAGE 19)

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCAS 4 COMPRESSOR

TABLE 5 – 4 COMPRESSOR PIPING COMPONENTS
(SEE FIGS. 5 AND 5A, PAGES 17 AND 18)

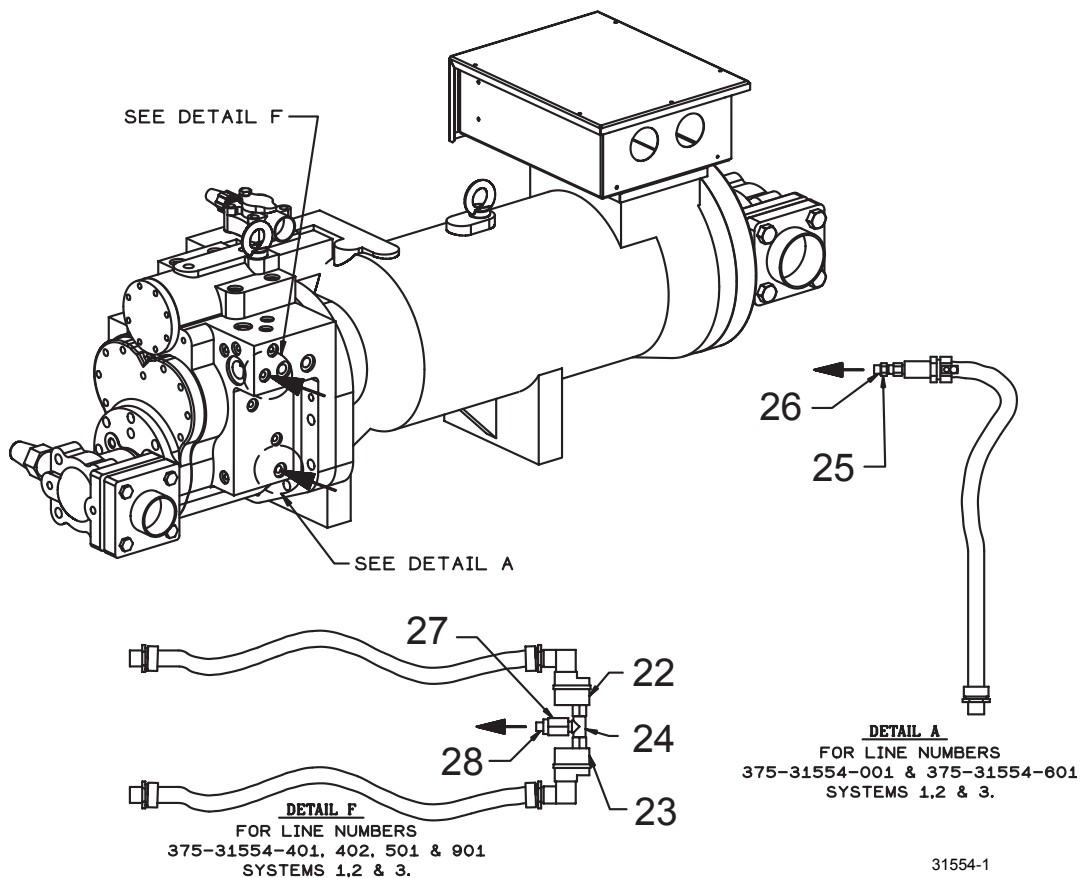
ITEM NO.	QTY PER UNIT	DESCRIPTION	SYSTEM	YCAS1063 375-51158-xxx	YCAS1093 375-51159-xxx
1^S	2	Valve, Electronic Expansion	Sys 1&2	025-37857-000	025-37857-000
	2		Sys 3&4	025-37835-000	025-37835-000
2	-	Valve, Thermal Expansion - Economizer	N/A	N/A	025-33280-000
3	-	Valve, Solenoid - Economizer	N/A	N/A	025-33282-000
4	4	Dehydrator, Body (Replacable Core)	All	026-21055-000	026-21055-000
5^S	8	Core, Dehydrator	All	026-37540-000	026-37540-000
6	4	Moisture Indicator, Body	All	026-37545-000	026-37545-000
7	4	Moisture Indicator, Sight Glass Cap	All	026-37548-000	026-37548-000
8	4	Valve, Liquid Stop	All	022-09778-000	022-09778-000
9	4	Compressor	All	See page 23	
10	8	Valve, Charging	All	022-09754-000	022-09754-000
11	-	Economizer, Heat Exchanger	N/A	N/A	026-34418-000
12	2	Oil Separator	Sys 1&3	075-46145-002	
	2	Oil Separator	Sys 2&4	075-46145-001	
13	4	Valve, Ball (Oil Line)	All	022-09172-000	022-09172-000

ITEM NO.	QTY PER UNIT	DESCRIPTION	SYSTEM	YCAS1163 375-51160-xxx	YCAS1263 375-51161-xxx
1^S	4	Valve, Electronic Expansion	All	025-37857-000	025-37857-000
2	4	Valve, Thermal Expansion - Economizer	All	N/A	025-33280-000
3	4	Valve, Solenoid - Economizer	All	N/A	025-33282-000
4	4	Dehydrator, Body (Replacable Core)	All	026-21055-000	026-21055-000
5^S	8	Core, Dehydrator	All	026-37540-000	026-37540-000
6	4	Moisture Indicator, Body	All	026-37545-000	026-37545-000
7	4	Moisture Indicator, Sight Glass Cap	All	026-37548-000	026-37548-000
8	4	Valve, Liquid Stop	All	022-09778-000	022-09778-000
9	4	Compressor	All	See page 23	
10	8	Valve, Charging	All	022-09754-000	022-09754-000
11	4	Economizer, Heat Exchanger	All	N/A	026-34418-000
12	2	Oil Separator	Sys 1&3	075-46145-002	
	2	Oil Separator	Sys 2&4	075-46145-001	
13	4	Valve, Ball (Oil Line)	All	022-09172-000	022-09172-000

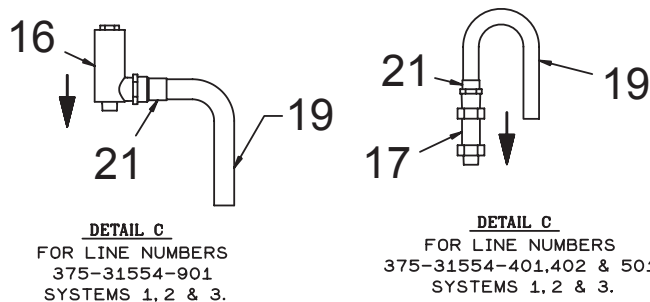
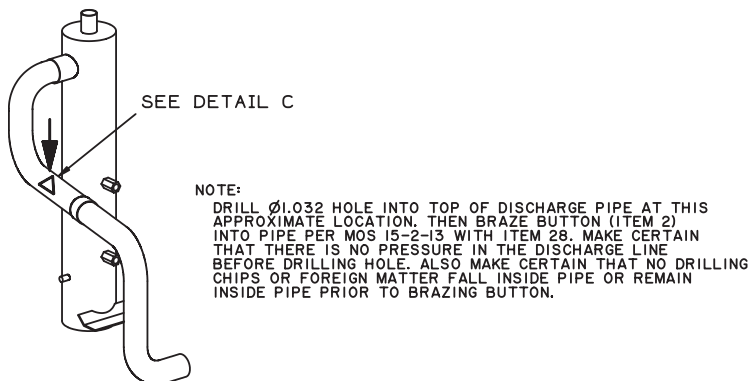
^S = Recommended Spare Parts

RELIEF VALVES AND CUTOUT SWITCHES

CHILLER MODEL YCAS



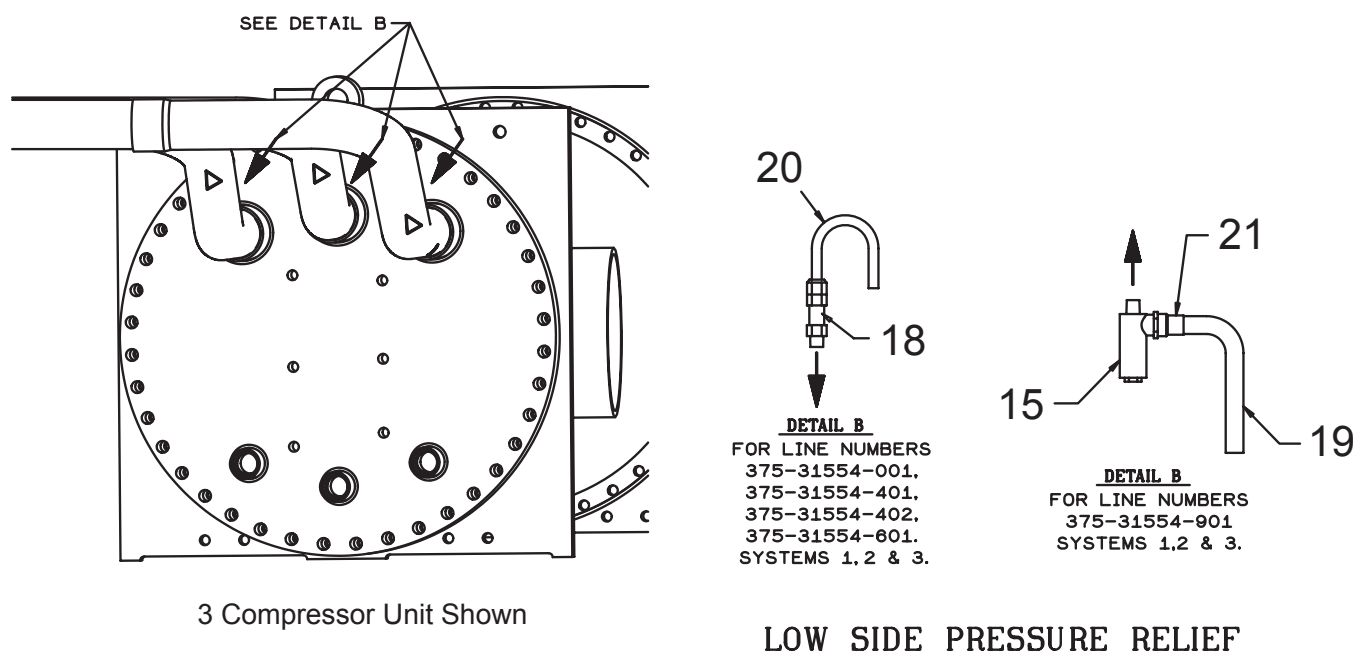
HIGH PRESSURE CUT-OUT SWITCH



HIGH SIDE PRESSURE RELIEF

FIG. 6 – RELIEF VALVES AND CUTOUT SWITCHES (REF. TABLE 6, PAGE 23)

RELIEF VALVES AND CUTOUT SWITCHES (CONT'D)



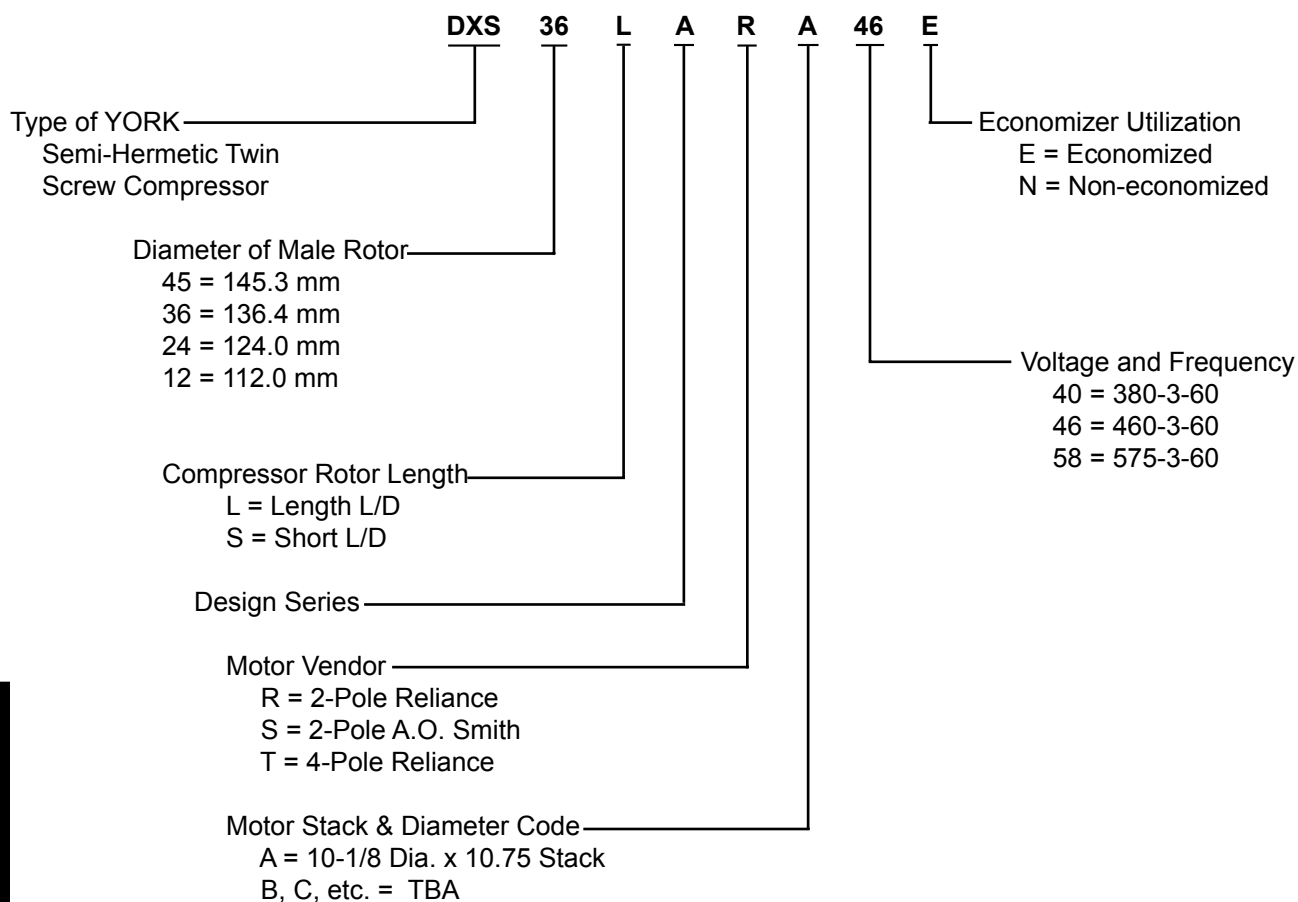
31554-1a

FIG. 6a – RELIEF VALVES AND CUTOUT SWITCHES (REF. TABLE 6, PAGE 23)

TABLE 6 – RELIEF VALVES AND CUTOUT SWITCHES (SEE FIGS. 6 AND 6A, PAGES 22 & 23)

ITEM NO.	QTY PER UNIT	DESCRIPTION	SYSTEM	ALL MODELS
15	*	Low Side Relief, Angle V-21 Bar	All	022-09793-000
16	*	High Side Relief, Angle V-31 Bar	All	022-09794-000
17	*	High Side Relief, Straight Thru 405 psig	All	022-08863-000
18	*	Low Side Relief, Straight Thru 300 psig	All	022-10045-000
19	*	Tube for 15 & 16	All	075-30992-000
		Tube for 17	All	075-30993-000
20	*	Tube for 18	All	375-30919-000
21	*	Adapter for 15	All	023-00094-000
		Adapter for 16	All	023-00094-000
		Adapter for 17	All	023-00124-000
22	*	High Press Sw, Man Reset 27.9 Bar	All	025-34119-000
23	*	High Press Sw, Man Reset 27.2 Bar	All	025-34120-000
24	*	Tee for 22 & 23	All	023-00972-000
25	*	High Press Sw, Auto Reset 405 psig	All	025-30840-000
26	*	O-ring, 3-904	All	028-13540-000
27	*	Adapter	All	023-18092-000
28	*	Seal	All	028-13640-000

COMPRESSOR MODEL NOMENCLATURE



Compressor

COMPRESSOR WEIGHTS		
MM SIZE	WEIGHT (LBS.)*	WEIGHT (Kg.)
145	1310	594
136	1250	567

***Note:** Less Service Valves.

Service Note:

Compressor Isolator Pad Kit
475-37845-000 one per compressor.

Service Note:

Compressor feet hold-down bolts, tightened from the underside of the frame rails must be removed when the isolator pad kit is installed.

COMPRESSOR

TABLE 7 – COMPRESSOR PART NUMBERS - YCAS0693-YCAS0953

MODEL	VOLTAGE CODE	SYSTEM #1 COMPRESSOR				SYSTEM #2 COMPRESSOR			
		PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCAS0693	-50	364-49093-215	DXS36LA	136	1	364-49093-215	DXS36LA	136	1
YCAS0773	-50	364-49093-215	DXS36LA	136	1	364-49093-215	DXS36LA	136	1
YCAS0783	-50	364-49093-215	DXS36LA	136	1	364-49093-215	DXS36LA	136	1
YCAS0873	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1
YCAS0953	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1

MODEL	VOLTAGE CODE	SYSTEM #3 COMPRESSOR				SYSTEM #4 COMPRESSOR			
		PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCAS0693	-50	364-49093-215	DXS36LA	136	1	N/A			
YCAS0773	-50	364-49094-215	DXS45LA	145	1	N/A			
YCAS0783	-50	364-49094-215	DXS45LA	145	1	N/A			
YCAS0873	-50	364-49094-215	DXS45LA	145	1	N/A			
YCAS0953	-50	364-49094-215	DXS45LA	145	1	N/A			

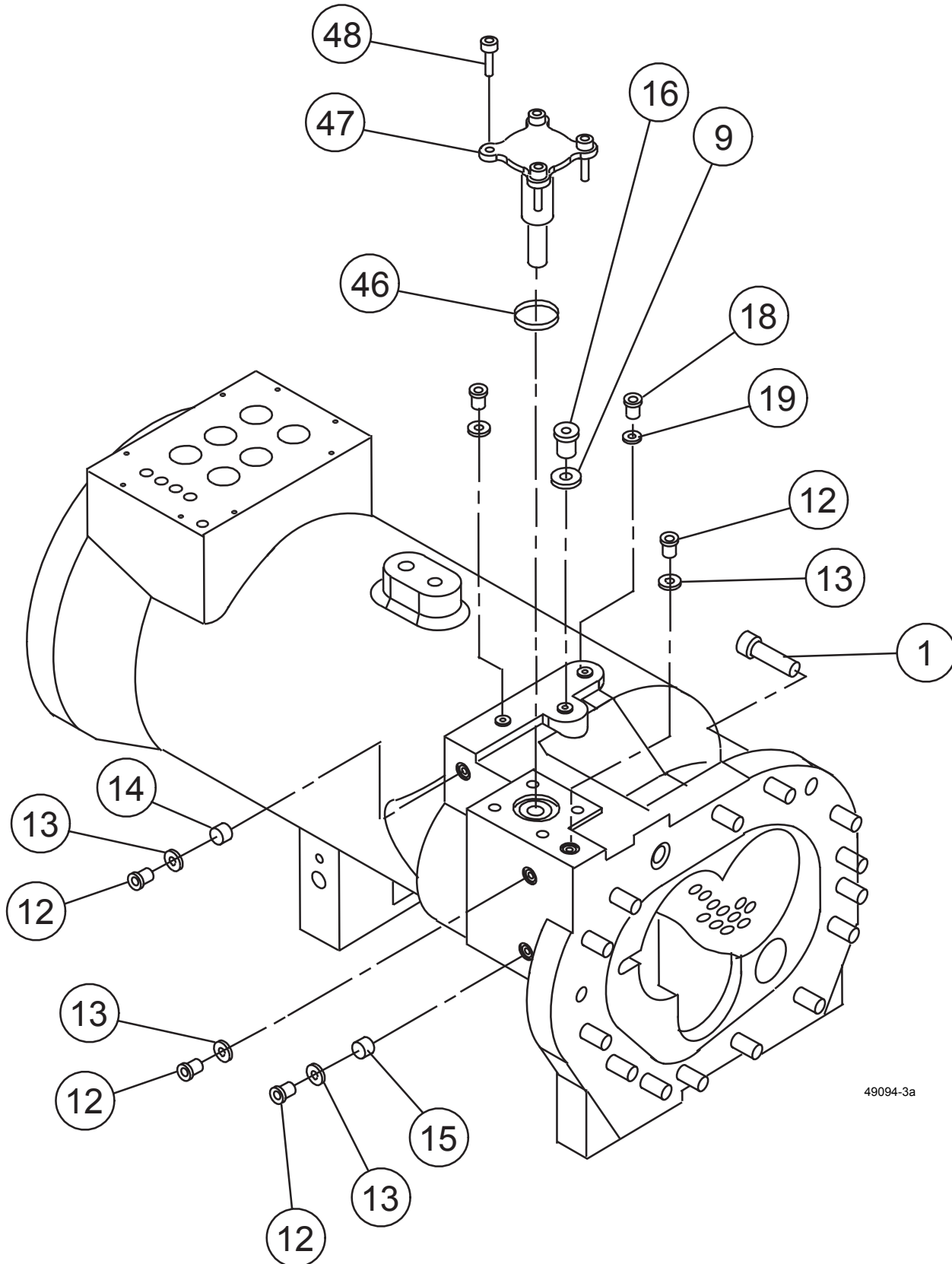
TABLE 7A – COMPRESSOR PART NUMBERS - YCAS1063-YCAS1263

MODEL	VOLTAGE CODE	SYSTEM #1 COMPRESSOR				SYSTEM #2 COMPRESSOR			
		PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCAS1063	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1
YCAS1093	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1
YCAS1163	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1
YCAS1263	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1

MODEL	VOLTAGE CODE	SYSTEM #3 COMPRESSOR				SYSTEM #4 COMPRESSOR			
		PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCAS1063	-50	364-49093-215	DXS36LA	136	1	364-49093-215	DXS36LA	136	1
YCAS1093	-50	364-49093-215	DXS36LA	136	1	364-49093-215	DXS36LA	136	1
YCAS1163	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1
YCAS1263	-50	364-49094-215	DXS45LA	145	1	364-49094-215	DXS45LA	145	1

Service Note: Compressor Change Out Kit - ALL Models - 464-49737-000 (Includes Gaskets and O-rings)

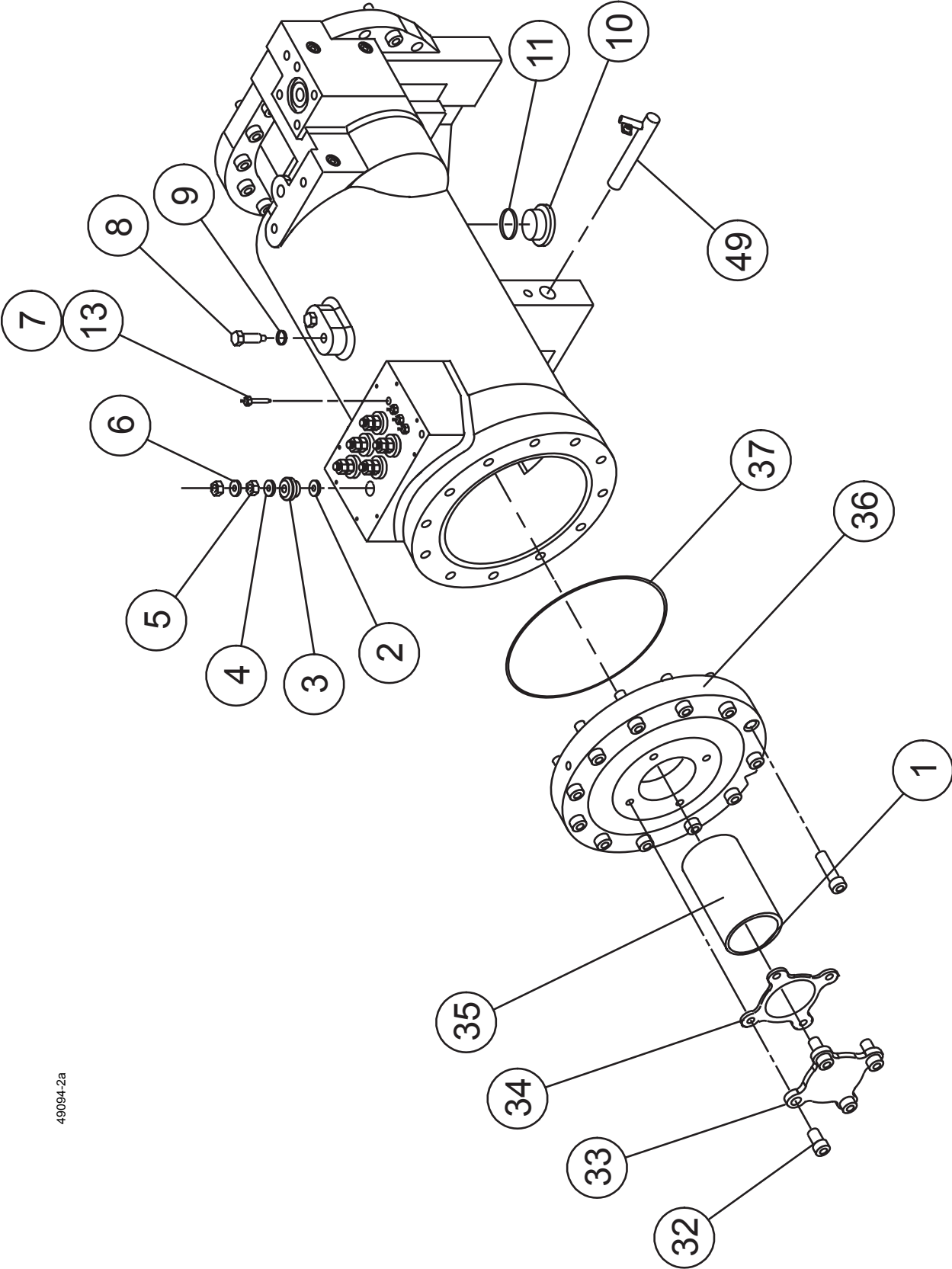
COMPRESSOR (CONT'D)



49094-3a

FIG. 7 – 136MM & 145MM DXS COMPRESSOR COMPONENTS
 PARTIAL EXPLODED VIEW (REF. TABLE 8, PAGES 27 AND 28)

COMPRESSOR (CONT'D)



49094-2a

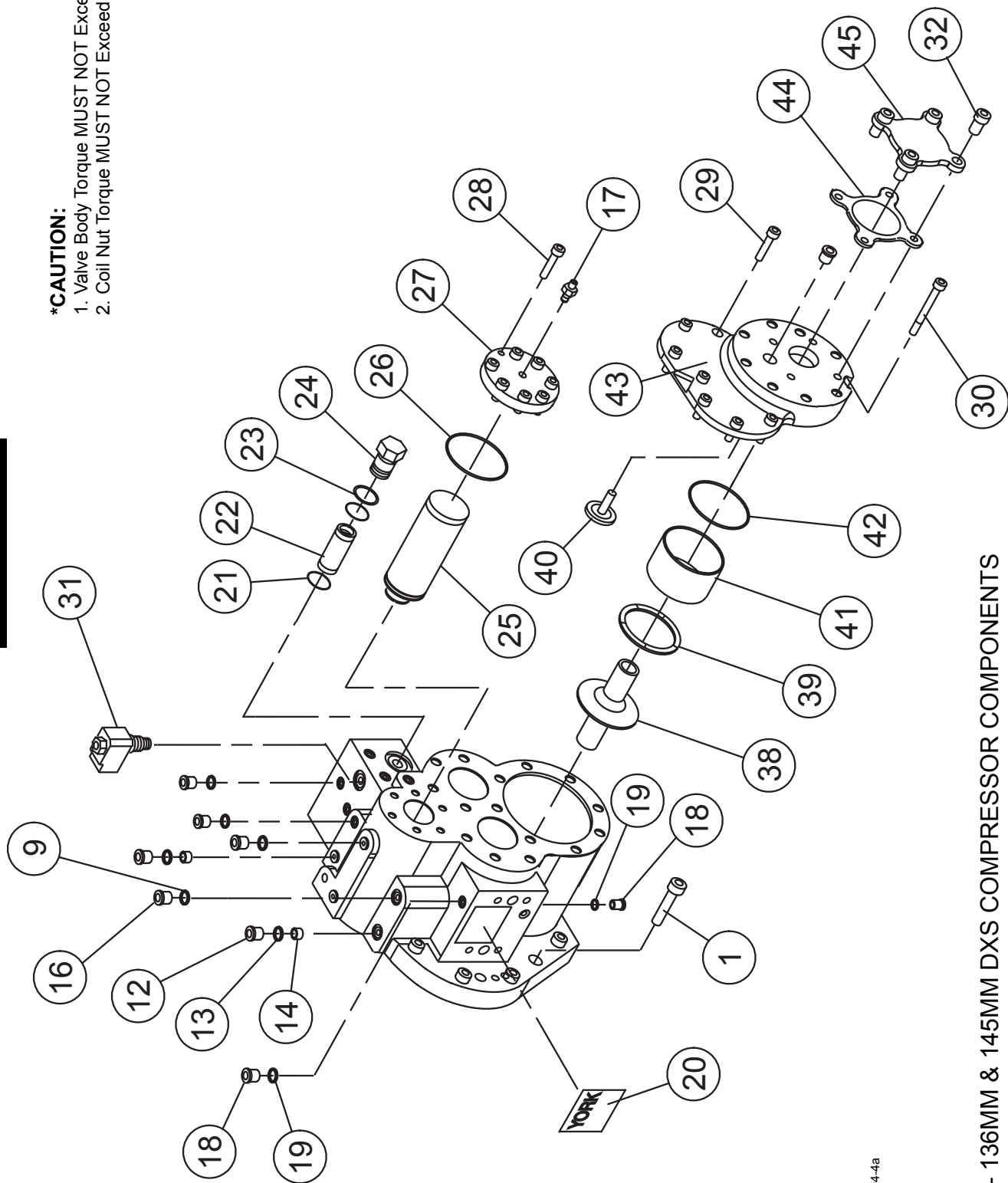
FIG. 7a – 136MM & 145MM DXS COMPRESSOR COMPONENTS
PARTIAL EXPLODED VIEW (REF. TABLE 8, PAGES 27 AND 28)

Compressor

COMPRESSOR (CONT'D)

***CAUTION:**

- 1. Valve Body Torque MUST NOT Exceed 10 ft. lbs.
- 2. Coil Nut Torque MUST NOT Exceed 3 ft. lbs.



49094-4a

FIG. 7b – 136MM & 145MM DXS COMPRESSOR COMPONENTS
PARTIAL EXPLODED VIEW (REF. TABLE 8, PAGES 27 AND 28)

Compressor

COMPRESSOR (CONT'D)

TABLE 8 – COMPRESSOR COMPONENTS (SEE FIGS. 7, 7A AND 7B, PAGES 24-26)

ITEM NO.	PART DESCRIPTION	PART NO. (Qty.)
1	SCREW, SOCKET HD. CAP - M16 X 65MM LONG	021-19108-000 (26)
2	SEAL, TERMINAL	028-13946-000 (6)
3	INSULATOR, TOP	025-33201-000 (6)
4	WASHER, TERMINAL	021-19117-000 (6)
5	NUT, HEAVY HEX - 7/16" X 20UNF	021-19102-000 (12)
6	WASHER, LOCK - 7/16"	021-19619-000 (6)
7	THERMISTOR, 7/16" X 20UNF-2A	025-33202-000 (4)
8	PIN, STATOR LOCKING	064-49954-000
9	O-RING 3 - 908	028-13856-000 (4)
10	PLUG, HOLLOW HEX - 1 7/8"	023-18926-000
11	O-RING 3 - 924	028-13865-000
12	PLUG, HOLLOW HEX - 9/16"	023-18922-000 (8)
13	O-RING - 906	028-13855-000 (8)
14	PLUG - 0.032 ORIFICE	029-22716-000 (3)
15	PLUG - 0.093 ORIFICE	029-22994-000 (2)
16	PLUG, HOLLOW HEX - 3/4"	023-18923-000 (7)
17	VALVE, ACCESS 7/16"	022-09715-000
18	PLUG, HOLLOW HEX - 7/16"	023-18921-000 (15)
19	O-RING 3 - 904	028-13854-000 (9)
20	PLATE, DATA	029-22722-000
21	O-RING 2- 023	028-13859-000 (2)
22	VALVE, OIL CONTROL	022-09710-000
23	O-RING 3 - 916	028-13857-000
24	PLUG, OIL RETURN VALVE	064-49135-000
25 ^S	ELEMENT, OIL FILTER	026-35601-000
26 ^S	O-RING 2 - 152	028-13849-000
27	COVER, OIL FILTER	064-49003-000
28	SCREW, SOCKET HD. CAP - M8 X 30MM LONG	021-19115-000 (8)
29	SCREW, SOCKET HD. CAP - M10 X 45MM LONG	021-19112-000 (9)
30	SCREW, SOCKET HD. CAP - M10 X 60MM LONG	021-19113-000 (8)
31 ^S	VALVE, CAPACITY CONTROL	025-33205-000
32	SCREW, SOCKET HD. CAP - M16 X 30MM LONG	021-19118-000 (8)
33	PLATE, VALVE COVER (136MM & 145MM)	064-49009-000
34	GASKET, 3 1/2" (136MM & 145MM)	028-13864-000

Compressor

^S = Recommended Spare Parts

COMPRESSOR (CONT'D)

TABLE 8 CONT'D – COMPRESSOR COMPONENTS (SEE FIGS. 7, 7A AND 7B, PAGES 27-29)

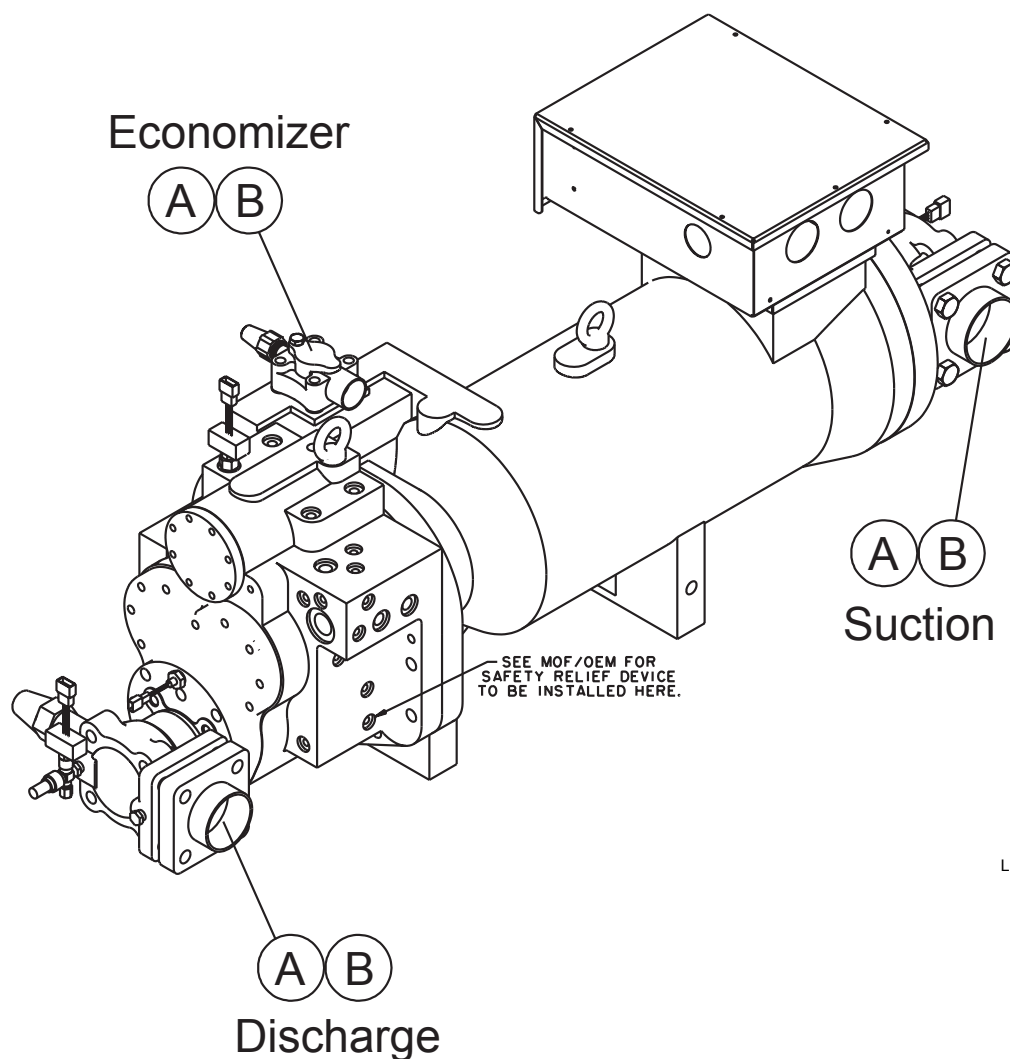
ITEM NO.	PART DESCRIPTION	PART NO. (Qty.)
35	STRAINER, SUCTION (136MM & 145MM)	026-35600-000
36	COVER, SUCTION (136MM & 145MM)	064-49198-000
37	O-RING 2 - 276	028-13852-000 (2)
38	ORIFICE, MUFFLER (136MM & 145MM)	064-49516-000
39	SPRING, MUFFLER PRELOAD (136MM & 145MM)	029-22904-000
40	BUTTON, CHECK VALVE (136MM)	064-49517-000
	BUTTON, CHECK VALVE (145MM)	064-49504-000
41	SPACER, MUFFLER (136MM & 145MM)	064-49513-000
42	O-RING 2 -161 (136MM & 145MM)	028-13851-000
43	COVER, DISCHARGE (136MM)	064-48990-000
	COVER, DISCHARGE (145MM)	064-49005-000
44	GASKET, 3" (136MM & 145MM)	028-13863-000
45	PLATE, VALVE COVER (136MM & 145MM)	064-49008-000
46	O-RING 2 - 139 (136MM & 145MM)	028-13963-000
47	PLUG, ECONOMIZER (136MM & 145MM)	064-50003-000
48	SCREW, SOCKET HD. CAP - M12 X 25MM LONG	021-30148-000
49	HEATER, 350 WATTS	025-32938-000

Compressor

ITEM	REF.	DESCRIPTION	5 GALLON
OIL ^S	R-22	Oil, Type 'L' (Synthetic)	011-00592-000
	R-407C		

^S = Recommended Spare Parts

COMPRESSOR (CONT'D)



Compressor

FIG. 8 – COMPRESSOR AND CONTROL COMPONENTS (REF. TABLE 9)

TABLE 9 – COMPRESSOR STOP VALVES AND GASKETS (SEE FIG. 8)

COMPRESSOR	LOCATION	DESCRIPTION	VALVE (A)	GASKET (B)
136MM	Suction	Stop Valve - 3 5/8"	022-02845-001	028-13864-000
	Discharge	Stop Valve - 2 5/8"	022-09777-001	028-13863-000
	Economizer	Stop Valve - 1 3/8"	022-03727-002	028-13862-000
145MM	Suction	Stop Valve - 3 5/8"	022-02845-001	028-13864-000
	Discharge	Stop Valve - 2 5/8"	022-09777-001	028-13863-000
	Economizer	Stop Valve - 1 3/8"	022-03727-002	028-13862-000

Control Panel

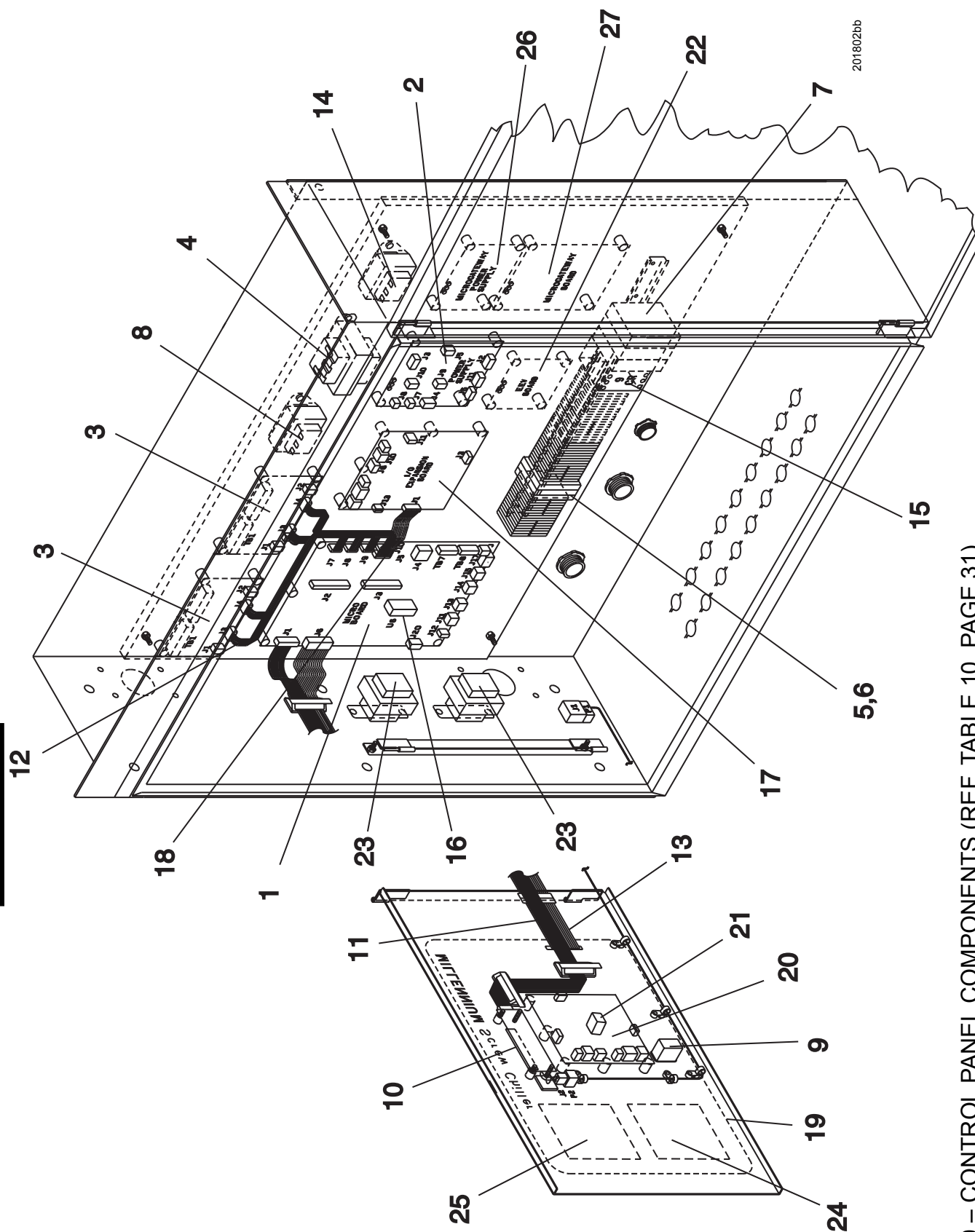


FIG. 9 – CONTROL PANEL COMPONENTS (REF. TABLE 10, PAGE 31)

CONTROL PANEL COMPONENTS (CONT'D)

TABLE 10 – CONTROL PANEL COMPONENTS (SEE FIG. 9, PAGE 30)

ITEM NO.	QTY	DESCRIPTION	PART NUMBER
1 ^s	1	Micro Board	031-01095-002
2	1	Power Supply Board	031-01094-000
3	2	Relay Control Board	031-01093-000
4	1	Transformer, 2T	025-27911-000
5	1	Terminal Block	025-33760-000
6	1	Terminal Block	025-33761-000
7	3	Circuit Breaker, 6A (Not Shown)	024-30913-000
8	1	Transformer, 3T	025-18452-000
9	1	On/Off Switch	024-25517-000
10	1	Display	031-01110-000
11	1	Ribbon Cable Assembly	071-02253-251
12	4	Ribbon Cable Assembly	071-02253-252
13	1	Ribbon Cable Assembly	071-02253-253
14	1	Transformer, 4T	025-30889-000
15	1	Control Relay	024-25598-000
16 ^s	1	EPROM (Use w/ Micro Board)	031-01798-002
17	1	I/O Expansion Board	031-01788-000
18	1	Ribbon Cable Assembly	071-02253-254
19	1	Keypad (English)	024-30910-000
20	1	SMART I/O Expansion Board	031-01793-001
21	1	EPROM (Use w/ SMART I/O Expansion Board)	031-02018-001
22	2	EEV Board	031-02092-999
23	3	Transformer CL-2 (3 Compressor Units)	025-37679-000
	4	Transformer CL-2 (4 Compressor Units)	
24	1	Temperature Reset Kit (Optional)	371-02590-102
25	1	Current Reset Kit (Optional)	371-02590-101
26	1	Micro-Gateway Power Supply Board (Optional)	031-02043-000
27	1	Micro-Gateway Board (Optional)	031-02039-000

^s = Recommended Spare Parts

OPTION AND POWER PANEL CONFIGURATIONS

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

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

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

PIN 16 & 17 LETTER CODE IDENTIFIERS		OPTION PANEL AND POWER PANEL CONFIGURATIONS
X	X	Multiple Point Supply Terminal Block (Standard)
M	B	Multiple Point Supply Circuit Breakers
M	D	Multiple Point Supply Non-Fused Disconnect Switches
M	N	Multiple Point Supply Disconnect Switches Fused DIN
S	B	Single Point Supply Terminal Block w/ Separate System Circuit Breakers
D	B	Single Point Supply Non-Fused Disconnect Switch w/ Separate System Circuit Breakers
D	P	Multiple Point Supply Non-Fused Disconnect Switches w/ Separate System Circuit Breakers
S	N	Single Point Supply Terminal Block w/ Separate System Disconnect Switches Fused DIN
D	N	Single Point Supply Non-Fused Disconnect Switches w/ Separate System Disconnect Switches Fused DIN

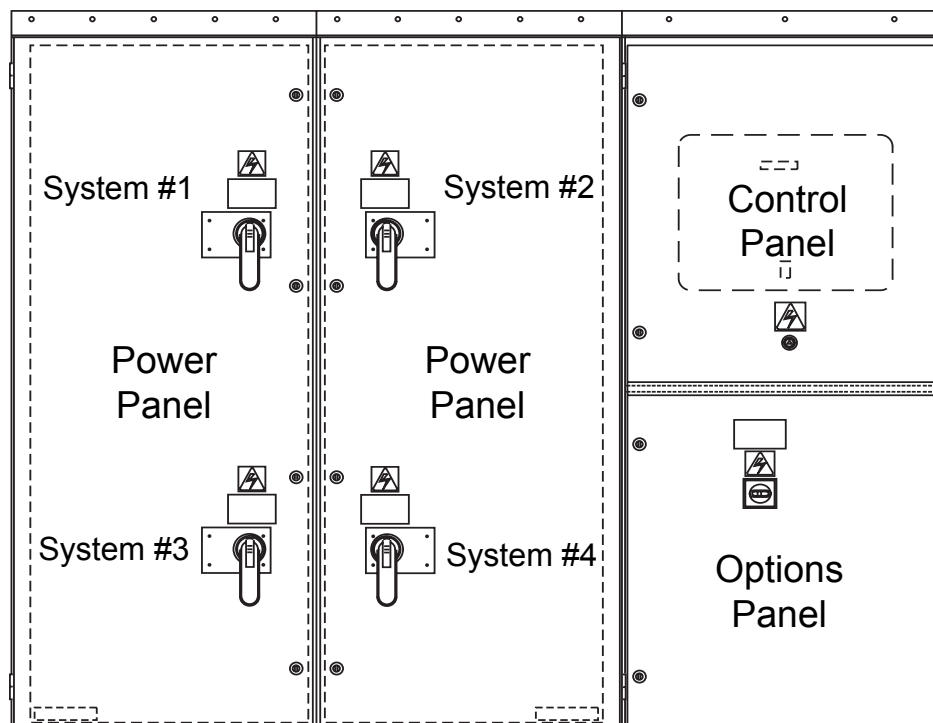
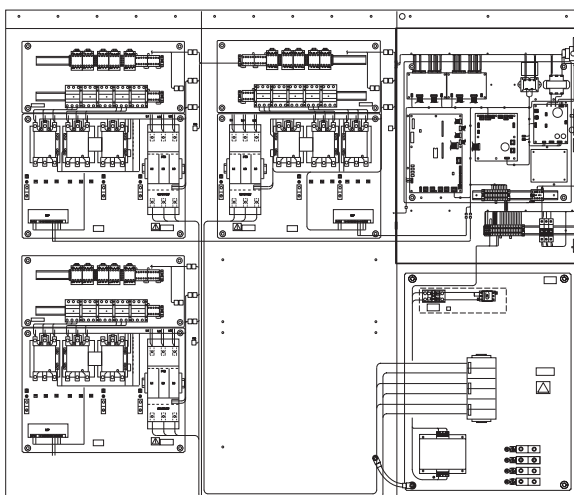
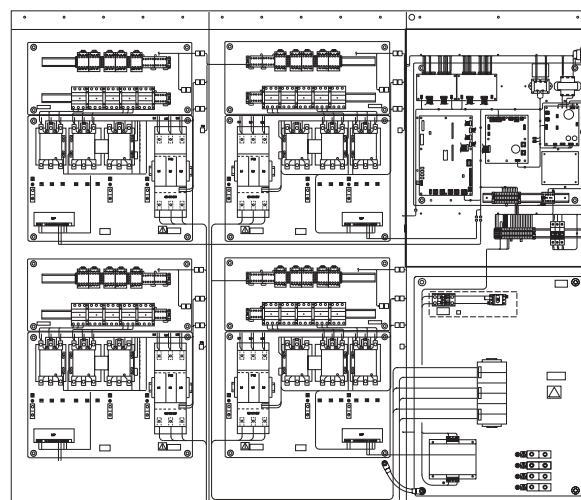


FIG. 10 – CONTROL, OPTIONS AND POWER PANELS LAYOUT

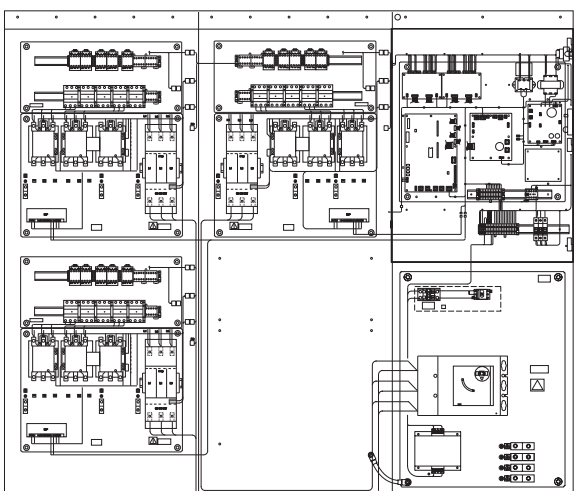
OPTION AND POWER PANEL CONFIGURATIONS (CONT'D)



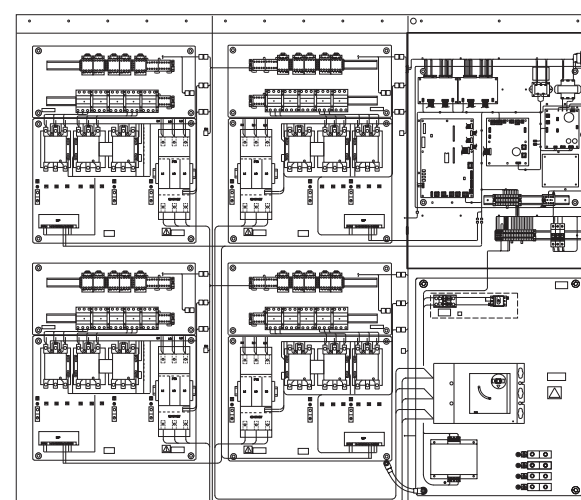
201812-1 (3Comp)



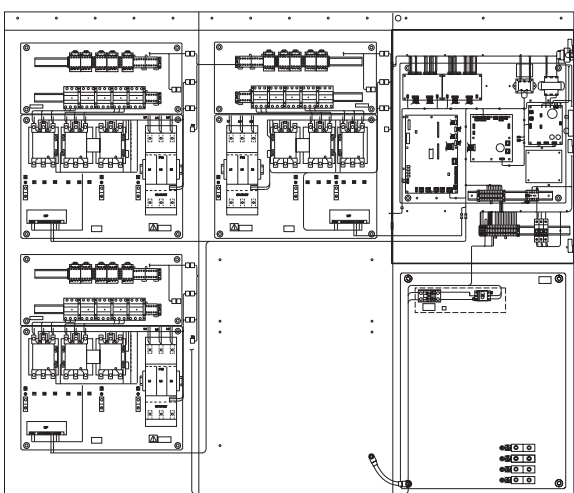
201812-1 (4Comp)



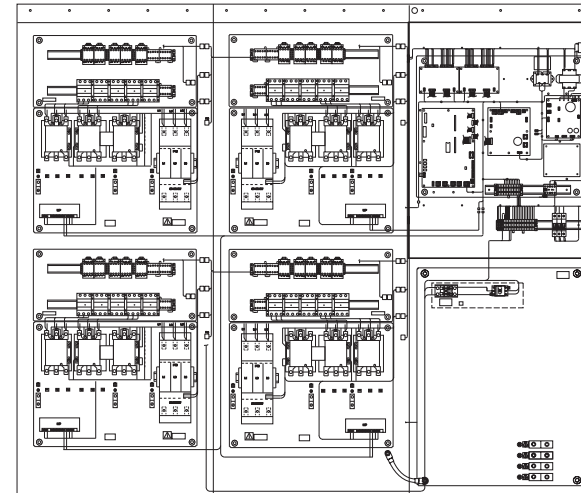
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201812-2 (4Comp)



201812-3 (3Comp)



201812-3 (4Comp)

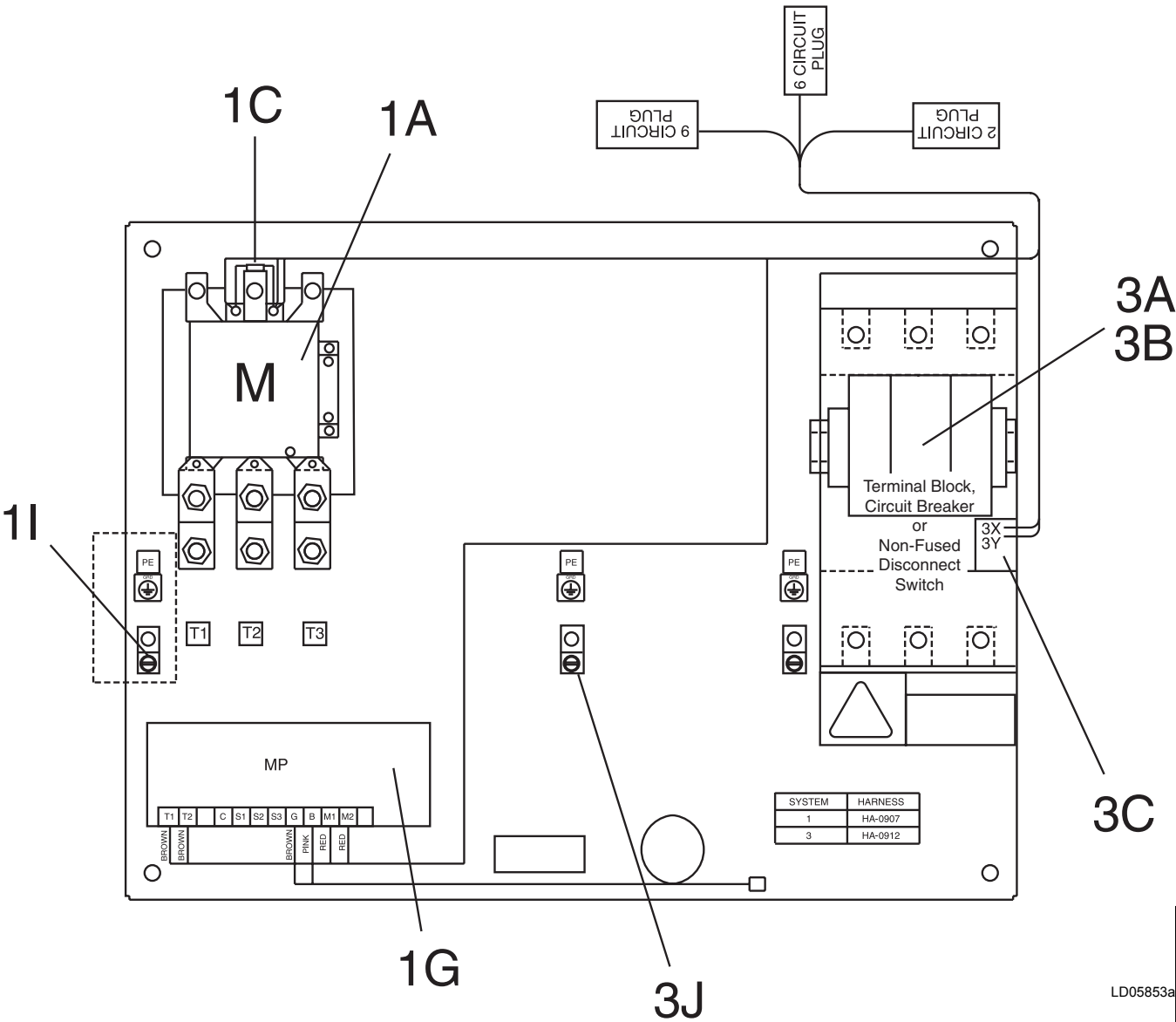
FIG. 11 – EXAMPLES OF POWER WIRING CONFIGURATIONS (3 AND 4 COMPRESSOR UNITS)

POWER PANEL COMPONENTS

CIRCUIT BREAKER AND NON-FUSED DISCONNECT SWITCH LUG KITS TABLE

Circuit Breakers		Wire Size	YORK Lug Kit Part Number
024-31852-000	S3H035TW	#14AWG-#2 AWG	025-34477-000
024-31837-000	S3H040TW		
024-31838-000	S3H050TW		
024-31839-000	S3H060TW		
024-31840-000	S3H070TW	#14AWG-#1/0 AWG	025-34478-000
024-31841-000	S3H080TW		
024-31842-000	S3H090TW		
024-31843-000	S3H100TW		
024-31844-000	S3H125TW	(1) 2-4/0 AWG	025-34479-000
024-31649-000	S3H150TW		
024-31820-000	S3H175TW	#14AWG-300KCMIL AWG	025-34480-000
024-31851-000	S3H200TW		
024-31819-000	S3H225TW		
025-34419-000	S4H250BW	#6AWG-350KCMIL AWG	025-34418-000
024-34424-000	S5H400BW	(1) 250-500KCMIL AWG	025-34481-000
024-34425-000	S6H600BW	(2) 250KCMIL AWG	025-34414-000
024-34473-000	S6H800BW	(2) 250KCMIL AWG	025-34414-000
Non-Fused Disconnect Switch		Wire Size	YORK Part Number
024-31888-000	S3H150DW	(1) 2-4/0 AWG	025-34479-000
024-31871-000	S3B225DW	#14AWG-300KCMIL AWG	025-34480-000
024-30963-000	S4H250DW	#6AWG-350KCMIL AWG	025-34418-000
024-30964-000	S5H400DW	(1) 250-500KCMIL AWG	025-34481-000
024-30965-000	S6H600DW	(2) 250KCMIL AWG	025-34414-000

POWER PANEL COMPONENTS (CONT'D)



LD05853a

FIG. 12 – ACROSS-THE-LINE POWER PANEL (REF. TABLE 11, PAGES ??-??)

POWER PANEL COMPONENTS

TABLE 11 – ACROSS-THE-LINE POWER PANEL COMPONENTS (SEE FIG. 12, PAGE 35)

Item	Qty	Description	YCAS0693-50			YCAS0773-50		
			371-02493-102* XX-MD	371-02493-202* MB-SB-DB-DP	371-02493-402* SN-DN-MN	371-02493-107* XX-MD	371-02493-207* MB-SB-DB-DP	371-02493-407* SN-DN-MN
1A	2	Compressor Contactor (System 1 and 3)	024-31892-000	024-31892-000	024-31892-000	024-31892-000	024-31892-000	024-31892-000
	1	Compressor Contactor (System 2)	024-31892-000	024-31892-000	024-31892-000	024-31892-000	024-31892-000	024-31892-000
1C	3	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1G^S	3	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	3	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2A	3	Fuse Block	N/A	N/A	025-35677-000	N/A	N/A	025-35677-000
2B	9	Fuse	N/A	N/A	025-35610-000	N/A	N/A	025-35610-000
3A	6	Terminal Block (System 1 and 3)	025-34454-000	N/A	N/A	025-34454-000	N/A	N/A
	3	Terminal Block (System 2)	025-34454-000	N/A	N/A	025-34454-000	N/A	N/A
	2	Circuit Breaker (System 1 and 3)	N/A	024-31819-000	N/A	N/A	024-31819-000	N/A
	1	Circuit Breaker (System 2)	N/A	024-31819-000	N/A	N/A	024-31819-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	N/A	024-33442-000	N/A	N/A	024-33442-000
	1	NF Disconnect Switch (System 2)	N/A	N/A	024-33442-000	N/A	N/A	024-33442-000
3B	3	MP Handle (CB & NFDS)	N/A	025-35697-000	024-33486-000	N/A	025-35697-000	024-33486-000
	3	MP Shaft (CB & NFDS)	N/A	025-35696-000	024-33444-000	N/A	025-35696-000	024-33444-000
3C	3	Auxiliary Switch	N/A	024-31646-000	N/A	N/A	024-31646-000	N/A
3E	3	Auxiliary Contact	N/A	N/A	024-33485-000	N/A	N/A	024-33485-000
3J	3	MP Ground Lug	025-34089-000	025-34085-000	025-34085-000	025-34089-000	025-34085-000	025-34085-000

XX*	Multi Point supply TB	DB*	Single Point NFDS supply w/ Separate System CBs
MB*	Multi Point supply CBs	DP*	Multi Point supply NFDS w/ Separate System CBs
MD*	Multi Point supply NFDSs	SN*	Single Point supply TB w/ Separate System NFDSs
MN*	Multi Point supply TB w/ Separate System NFDSs	DN*	Single Point NFDS supply w/ Separate System NFDSs
SB*	Single Point TB supply w/ Separate System CBs		

* Recommended Spare Part

***Service Note:**

Locate the **PANEL NUMBER** sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)

TABLE 11 – ACROSS-THE-LINE POWER PANEL COMPONENTS (SEE FIG. 12, PAGE 35)

Item	Qty	Description	YCAS0783-50			YCAS0873-50		
			371-02493-106* XX-MD	371-02493-205* MB-SB-DB-DP	371-02493-405* SN-DN-MN	371-02493-110* XX-MD	371-02493-210* MB-SB-DB-DP	371-02493-410* SN-DN-MN
1A	2	Compressor Contactor (System 1 and 3)	024-31892-000	024-31892-000	024-31892-000	024-31893-000	024-31893-000	024-31893-000
	1	Compressor Contactor (System 2)	024-31893-000	024-31893-000	024-31893-000	024-31893-000	024-31893-000	024-31893-000
1C	3	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1G ^s	3	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	3	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2A	2	Fuse Block (System 1 and 3)	N/A	N/A	025-35677-000	N/A	N/A	025-35672-000
	1	Fuse Block (System 2)	N/A	N/A	025-35672-000			025-35672-000
2B	6	Fuse (System 1 and 3)	N/A	N/A	025-35610-000	N/A	N/A	025-35673-000
	3	Fuse (System 2)	N/A	N/A	025-35673-000	N/A	N/A	025-35673-000
3A	6	Terminal Block (System 1 and 3)	025-34454-000	N/A	N/A	025-34408-000	N/A	N/A
	3	Terminal Block (System 2)	025-34408-000	N/A	N/A	025-34408-000	N/A	N/A
	2	Circuit Breaker (System 1 and 3)	N/A	024-31819-000	N/A	N/A	025-34424-000	N/A
	1	Circuit Breaker (System 2)	N/A	025-34424-000	N/A	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	N/A	024-33442-000	N/A	N/A	029-23445-000
	1	NF Disconnect Switch (System 2)	N/A	N/A	029-23445-000	N/A	N/A	029-23445-000
3B	3	MP Handle (CB & NFDS)	N/A	025-35697-000	024-33486-000	N/A	025-35697-000	024-33486-000
	3	MP Shaft (CB & NFDS)	N/A	025-35696-000	024-33444-000	N/A	025-35696-000	024-33444-000
3C	3	Auxiliary Switch	N/A	024-31646-000	N/A	N/A	024-31646-000	N/A
3E	3	Auxiliary Contact	N/A	N/A	024-33485-000	N/A	N/A	024-33485-000
3J	2	MP Ground Lug (System 1 and 3)	025-34089-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000
	1	MP Ground Lug (System 2)	025-34085-000					

XX*	Multi Point supply TB	DB*	Single Point NFDS supply w/ Separate System CBs
MB*	Multi Point supply CBs	DP*	Multi Point supply NFDS w/ Separate System CBs
MD*	Multi Point supply NFDSs	SN*	Single Point supply TB w/ Separate System NFDSs
MN*	Multi Point supply TB w/ Separate System NFDSs	DN*	Single Point NFDS supply w/ Separate System NFDSs
SB*	Single Point TB supply w/ Separate System CBs		

^s Recommended Spare Part

***Service Note:**

Locate the **PANEL NUMBER** sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)

TABLE 11 – ACROSS-THE-LINE POWER PANEL COMPONENTS (SEE FIG. 12, PAGE 39)

Item	Qty	Description	YCAS0953-50		
			371-02493-114* XX-MD	371-02493-208* MB-SB-DB-DP	371-02493-408* SN-DN-MN
1A	2	Compressor Contactor (System 1 and 3)	024-31894-000	024-31894-000	024-31894-000
	1	Compressor Contactor (System 2)	024-31894-000	024-31894-000	024-31894-000
1C	3	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000
1G^s	3	Motor Protector	024-30907-000	024-30907-000	024-30907-000
1I	3	Ground Lug	025-34089-000	025-34089-000	025-34089-000
2A	3	Fuse Block	N/A	N/A	025-35672-000
2B	9	Fuse	N/A	N/A	025-35673-000
3A	6	Terminal Block (System 1 and 3)	025-34405-000	N/A	N/A
	3	Terminal Block (System 2)	025-34405-000	N/A	N/A
	2	Circuit Breaker (System 1 and 3)	N/A	025-34424-000	N/A
	1	Circuit Breaker (System 2)	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	N/A	029-23445-000
	1	NF Disconnect Switch (System 2)	N/A	N/A	029-23445-000
3B	3	MP Handle (CB & NFDS)	N/A	025-35697-000	024-33486-000
	3	MP Shaft (CB & NFDS)	N/A	025-35696-000	024-33444-000
3C	3	Auxiliary Switch	N/A	024-31646-000	N/A
3E	3	Auxiliary Contact	N/A	N/A	024-33485-000
3J	3	MP Ground Lug	025-34087-000	025-34085-000	025-34085-000

XX*	Multi Point supply TB	DB*	Single Point NFDS supply w/ Separate System CBs
MB*	Multi Point supply CBs	DP*	Multi Point supply NFDS w/ Separate System CBs
MD*	Multi Point supply NFDSs	SN*	Single Point supply TB w/ Separate System NFDSs
MN*	Multi Point supply TB w/ Separate System NFDSs	DN*	Single Point NFDS supply w/ Separate System NFDSs
SB*	Single Point TB supply w/ Separate System CBs		

^s Recommended Spare Part

***Service Note:**

Locate the **PANEL NUMBER** sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)

TABLE 11 – ACROSS-THE-LINE POWER PANEL COMPONENTS (SEE FIG. 12, PAGE 39)

Item	Qty	Description	YCAS1063-50			YCAS1093-50		
			371-02494-103* XX-MD	371-02494-203* MB-SB-DB-DP	371-02494-403* SN-DN-MN	371-02494-105* XX-MD	371-02494-205* MB-SB-DB-DP	371-02494-405* SN-DN-MN
1A	2	Compressor Contactor (System 1 and 3)	024-31892-000	024-31892-000	024-31892-000	024-31892-000	024-31892-000	024-31892-000
	2	Compressor Contactor (System 2 and 4)	024-31893-000	024-31893-000	024-31893-000	024-31894-000	024-31894-000	024-31894-000
1C	4	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1G ^S	4	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	4	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2A	2	Fuse Block (System 1 and 3)	N/A	N/A	025-35677-000	N/A	N/A	025-35677-000
	2	Fuse Block (System 2 and 4)	N/A	N/A	025-35672-000			025-35672-000
2B	6	Fuse (System 1 and 3)	N/A	N/A	025-35610-000	N/A	N/A	025-35610-000
	6	Fuse (System 2 and 4)	N/A	N/A	025-35673-000	N/A	N/A	025-35673-000
3A	6	Terminal Block (System 1 and 3)	025-34454-000	N/A	N/A	025-34454-000	N/A	N/A
	6	Terminal Block (System 2 and 4)	025-34408-000	N/A	N/A	025-34405-000	N/A	N/A
	2	Circuit Breaker (System 1 and 3)	N/A	024-31819-000	N/A	N/A	024-31819-000	N/A
	2	Circuit Breaker (System 2 and 4)	N/A	025-34424-000	N/A	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	N/A	024-33442-000	N/A	N/A	024-33442-000
	2	NF Disconnect Switch (System 2 and 4)	N/A	N/A	029-23445-000	N/A	N/A	029-23445-000
3B	4	MP Handle (CB & NFDS)	N/A	025-35697-000	024-33486-000	N/A	025-35697-000	024-33486-000
	4	MP Shaft (CB & NFDS)	N/A	025-35696-000	024-33444-000	N/A	025-35696-000	024-33444-000
3C	4	Auxiliary Switch	N/A	024-31646-000	N/A	N/A	024-31646-000	N/A
3E	4	Auxiliary Contact	N/A	N/A	024-33485-000	N/A	N/A	024-33485-000
3J	2	MP Ground Lug	025-34089-000	025-34085-000	025-34085-000	025-34089-000	025-34085-000	025-34085-000
	2					025-34087-000		

XX*	Multi Point supply TB	DB*	Single Point NFDS supply w/ Separate System CBs
MB*	Multi Point supply CBs	DP*	Multi Point supply NFDS w/ Separate System CBs
MD*	Multi Point supply NFDSs	SN*	Single Point supply TB w/ Separate System NFDSs
MN*	Multi Point supply TB w/ Separate System NFDSs	DN*	Single Point NFDS supply w/ Separate System NFDSs
SB*	Single Point TB supply w/ Separate System CBs		

^S Recommended Spare Part

***Service Note:**

Locate the **PANEL NUMBER** sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)

TABLE 11 – ACROSS-THE-LINE POWER PANEL COMPONENTS (SEE FIG. 12, PAGE 39)

Item	Qty	Description	YCAS1163-50			YCAS1263-50		
			371-02494-107* XX-MD	371-02494-206* MB-SB-DB-DP	371-02494-406* SN-DN-MN	371-02494-110* XX-MD	371-02494-210* MB-SB-DB-DP	371-02494-410* SN-DN-MN
1A	2	Compressor Contactor (System 1 and 3)	024-31893-000	024-31893-000	024-31893-000	024-31894-000	024-31894-000	024-31894-000
	2	Compressor Contactor (System 2 and 4)	024-31893-000	024-31893-000	024-31893-000	024-31894-000	024-31894-000	024-31894-000
1C	4	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1G^s	4	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	4	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2A	4	Fuse Block	N/A	N/A	025-35672-000	N/A	N/A	025-35672-000
2B	12	Fuse	N/A	N/A	025-35673-000	N/A	N/A	025-35610-000
3A	6	Terminal Block (System 1 and 3)	025-34408-000	N/A	N/A	025-34405-000	N/A	N/A
	6	Terminal Block (System 2 and 4)	025-34408-000	N/A	N/A	025-34405-000	N/A	N/A
	2	Circuit Breaker (System 1 and 3)	N/A	025-34424-000	N/A	N/A	025-34424-000	N/A
	2	Circuit Breaker (System 2 and 4)	N/A	025-34424-000	N/A	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	N/A	024-33442-000	N/A	N/A	024-33442-000
	2	NF Disconnect Switch (System 2 and 4)	N/A	N/A	024-33442-000	N/A	N/A	024-33442-000
3B	4	MP Handle (CB & NFDS)	N/A	025-35697-000	024-33486-000	N/A	025-35697-000	024-33486-000
	4	MP Shaft (CB & NFDS)	N/A	025-35696-000	024-33444-000	N/A	025-35696-000	024-33444-000
3C	4	Auxiliary Switch	N/A	024-31646-000	N/A	N/A	024-31646-000	N/A
3E	4	Auxiliary Contact	N/A	N/A	024-33485-000	N/A	N/A	024-33485-000
3J	4	MP Ground Lug	025-34085-000	025-34085-000	025-34085-000	025-34087-000	025-34085-000	025-34085-000

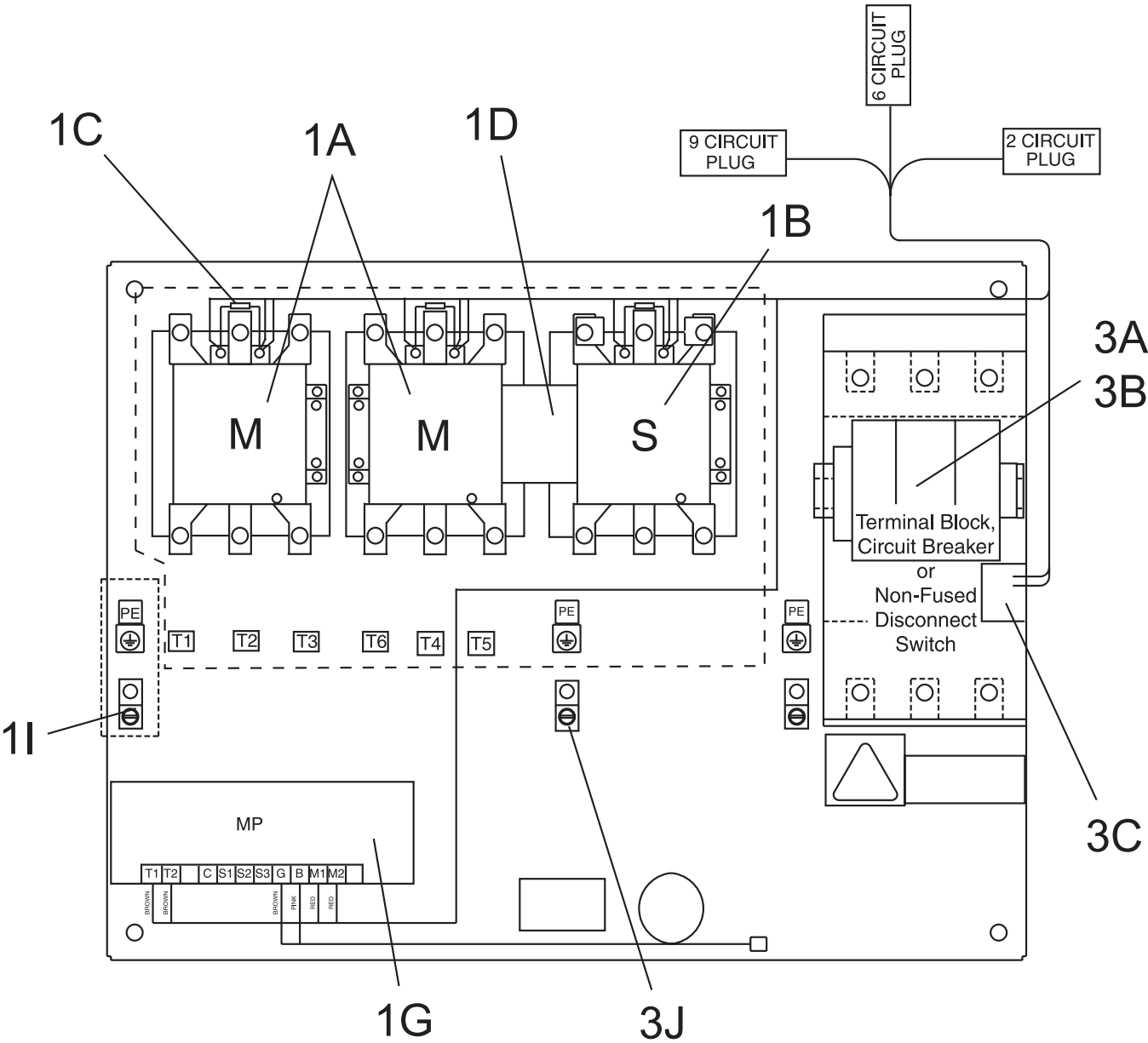
XX*	Multi Point supply TB	DB*	Single Point NFDS supply w/ Separate System CBs
MB*	Multi Point supply CBs	DP*	Multi Point supply NFDS w/ Separate System CBs
MD*	Multi Point supply NFDSs	SN*	Single Point supply TB w/ Separate System NFDSs
MN*	Multi Point supply TB w/ Separate System NFDSs	DN*	Single Point NFDS supply w/ Separate System NFDSs
SB*	Single Point TB supply w/ Separate System CBs		

^s Recommended Spare Part

***Service Note:**

Locate the **PANEL NUMBER** sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)



LD05852a

FIG. 13 – WYE DELTA POWER PANEL (REF. TABLE 12, PAGES 42-46)

POWER PANEL COMPONENTS (CONT'D)

TABLE 12 – WYE DELTA POWER PANEL COMPONENTS (SEE FIG. 13, PAGE 41)

Item	Qty	Description	YCAS0693-50		YCAS0773-50		YCAS0783-50	
			371-02493-224* MB-SB-DB-DP	371-02493-424* SN-DN-MN	371-02493-226* MB-SB-DB-DP	371-02493-426* SN-DN-MN	371-02493-225* MB-SB-DB-DP	371-02493-425* SN-DN-MN
1A	4	Compressor Contactor (System 1 and 3)	024-31110-000	024-31110-000	024-31110-000	024-31110-000	024-31110-000	024-31109-000
	2	Compressor Contactor (System 2)	024-31107-000	024-31107-000	024-31107-000	024-31107-000	024-31107-000	024-31106-000
1B	2	Compressor Contactor (System 1 and 3)	024-31109-000	024-31109-000	024-31891-000	024-31891-000	024-31891-000	024-31891-000
	1	Compressor Contactor (System 2)	024-31106-000	024-31106-000	024-31639-000	024-31639-000	024-31639-000	024-31639-000
1C	3	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1D	2	Mechanical Interlock	024-31601-000	024-31601-000	024-31601-000	024-31601-000	024-31601-000	024-31601-000
	1		024-31601-000	024-31601-000	024-34263-000	024-34263-000	024-34263-000	024-34263-000
1G ^S	3	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	2	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34088-000
	1		025-34088-000	025-34088-000				025-34089-000
2A	2	Fuse Block	N/A	025-35677-000	N/A	025-35677-000	N/A	025-35677-000
	1					025-35672-000		025-35672-000
2B	6	Fuse	N/A	025-35610-000	N/A	025-35610-000	N/A	025-35610-000
	3					025-35673-000		025-35673-000
3A	2	Circuit Breaker (System 1 and 3)	024-31819-000	N/A	024-31819-000	N/A	024-31819-000	N/A
	1	Circuit Breaker (System 2)	024-31819-000	N/A	025-34424-000	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	024-33442-000	N/A	024-33442-000	N/A	024-33442-000
	1	NF Disconnect Switch (System 2)	N/A	024-33442-000	N/A	029-23445-000	N/A	029-23445-000
3B	3	MP Handle (CB & NFDS)	025-35697-000	024-33486-000	025-35697-000	024-33486-000	025-35697-000	024-33486-000
	3	MP Shaft (CB & NFDS)	025-35696-000	024-33444-000	025-35696-000	024-33444-000	025-35696-000	024-33444-000
3C	3	Auxiliary Switch	024-31646-000	N/A	024-31646-000	N/A	024-31646-000	N/A
3E	3	Auxiliary Contact	N/A	024-33485-000	N/A	024-33485-000	N/A	024-33485-000
3J	3	MP Ground Lug	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000

XX*	Multi Point supply TB
MB*	Multi Point supply CBs
SB*	Single Point TB supply w/ Separate System CBs
DB*	Single Point NFDS supply w/ Separate System CBs
DP*	Multi Point NFDS supply w/ Separate System CBs

* Recommended Spare Part

***Service Note:**

Locate the PANEL NUMBER sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)

TABLE 12 – WYE DELTA POWER PANEL COMPONENTS (SEE FIG. 13, PAGE 41)

Item	Qty	Description	YCAS0873-50		YCAS0953-50	
			371-02493-228* MB-SB-DB-DP	371-02493-428* SN-DN-MN	371-02493-228* MB-SB-DB-DP	371-02493-428* SN-DN-MN
1A	4	Compressor Contactor (System 1 and 3)	024-31891-000	024-31891-000	024-31891-000	024-31891-000
	2	Compressor Contactor (System 2)	024-31639-000	024-31639-000	024-31639-000	024-31639-000
1B	2	Compressor Contactor (System 1 and 3)	024-31891-000	024-31891-000	024-31891-000	024-31891-000
	1	Compressor Contactor (System 2)	024-31639-000	024-31639-000	024-31639-000	024-31639-000
1C	3	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1D	3	Mechanical Interlock	024-34263-000	024-34263-000	024-34263-000	024-34263-000
1G^s	3	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	3	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2A	2	Fuse Block	N/A	025-35672-000	N/A	025-35672-000
	1					
2B	6	Fuse	N/A	025-35673-000	N/A	025-35673-000
	3					
3A	2	Circuit Breaker (System 1 and 3)	025-34424-000	N/A	025-34424-000	N/A
	1	Circuit Breaker (System 2)	025-34424-000	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	029-23445-000	N/A	029-23445-000
	1	NF Disconnect Switch (System 2)	N/A	029-23445-000	N/A	029-23445-000
3B	3	MP Handle (CB & NFDS)	025-35697-000	024-33486-000	025-35697-000	024-33486-000
	3	MP Shaft (CB & NFDS)	025-35696-000	024-33444-000	025-35696-000	024-33444-000
3C	3	Auxiliary Switch	024-31646-000	N/A	024-31646-000	N/A
3E	3	Auxiliary Contact	N/A	024-33485-000	N/A	024-33485-000
3J	3	MP Ground Lug	025-34085-000	025-34085-000	025-34085-000	025-34085-000

XX*	Multi Point supply TB
MB*	Multi Point supply CBs
SB*	Single Point TB supply w/ Separate System CBs
DB*	Single Point NFDS supply w/ Separate System CBs
DP*	Multi Point NFDS supply w/ Separate System CBs

^s Recommended Spare Part

***Service Note:**

Locate the **PANEL NUMBER** sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)

TABLE 12 – WYE DELTA POWER PANEL COMPONENTS (SEE FIG. 13, PAGE 41)

Item	Qty	Description	YCAS1063-50		YCAS1093-50	
			371-02494-225* MB-SB-DB-DP	371-02494-425* SN-DN-MN	371-02494-225* MB-SB-DB-DP	371-02490-425* SN-DN-MN
1A	4	Compressor Contactor (System 1 and 3)	024-31110-000	024-31110-000	024-31110-000	024-31110-000
	4	Compressor Contactor (System 2 and 4)	024-31891-000	024-31891-000	024-31891-000	024-31891-000
1B	2	Compressor Contactor (System 1 and 3)	024-31107-000	024-31107-000	024-31107-000	024-31107-000
	2	Compressor Contactor (System 2 and 4)	024-31639-000	024-31639-000	024-31639-000	024-31639-000
1C	4	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1D	2	Mechanical Interlock	024-31601-000	024-31601-000	024-31601-000	024-31601-000
	2		024-34263-000	024-34263-000	024-34263-000	024-34263-000
1G^s	4	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	4	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2A	2	Fuse Block	N/A	025-35677-000	N/A	025-35677-000
	2			025-35672-000		025-35672-000
2B	6	Fuse	N/A	025-35610-000	N/A	025-35610-000
	6			025-35673-000		025-35673-000
3A	2	Circuit Breaker (System 1 and 3)	024-31819-000	N/A	024-31819-000	N/A
	2	Circuit Breaker (System 2 and 4)	025-34424-000	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	024-33442-000	N/A	024-33442-000
	2	NF Disconnect Switch (System 2 and 4)	N/A	029-23445-000	N/A	029-23445-000
3B	4	MP Handle (CB & NFDS)	025-35697-000	024-33486-000	025-35697-000	024-33486-000
	4	MP Shaft (CB & NFDS)	025-35696-000	024-33444-000	025-35696-000	024-33444-000
3C	4	Auxiliary Switch	024-31646-000	N/A	024-31646-000	N/A
3E	4	Auxiliary Contact	N/A	024-33485-000	N/A	024-33485-000
3J	4	MP Ground Lug	025-34085-000	025-34085-000	025-34085-000	025-34085-000

XX*	Multi Point supply TB
MB*	Multi Point supply CBs
SB*	Single Point TB supply w/ Separate System CBs
DB*	Single Point NFDS supply w/ Separate System CBs
DP*	Multi Point NFDS supply w/ Separate System CBs

* Recommended Spare Part

***Service Note:**

Locate the PANEL NUMBER sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

POWER PANEL COMPONENTS (CONT'D)

TABLE 12 – WYE DELTA POWER PANEL COMPONENTS (SEE FIG. 13, PAGE 41)

Item	Qty	Description	YCAS1163-50		YCAS1263-50	
			371-02494-227* MB-SB-DB-DP	371-02494-427* SN-DN-MN	371-02494-227* MB-SB-DB-DP	371-02490-427* SN-DN-MN
1A	4	Compressor Contactor (System 1 and 3)	024-31891-000	024-31891-000	024-31891-000	024-31891-000
	4	Compressor Contactor (System 2)	024-31891-000	024-31891-000	024-31891-000	024-31891-000
1B	2	Compressor Contactor (System 1 and 3)	024-31639-000	024-31639-000	024-31639-000	024-31639-000
	2	Compressor Contactor (System 2)	024-31639-000	024-31639-000	024-31639-000	024-31639-000
1C	4	Surge Suppressor	031-02203-000	031-02203-000	031-02203-000	031-02203-000
1D	4	Mechanical Interlock	024-34263-000	024-34263-000	024-34263-000	024-34263-000
1G ^s	4	Motor Protector	024-30907-000	024-30907-000	024-30907-000	024-30907-000
1I	4	Ground Lug	025-34089-000	025-34089-000	025-34089-000	025-34089-000
2A	2	Fuse Block	N/A	025-35672-000	N/A	025-35672-000
	2					
2B	6	Fuse	N/A	025-35673-000	N/A	025-35673-000
	6					
3A	2	Circuit Breaker (System 1 and 3)	025-34424-000	N/A	025-34424-000	N/A
	2	Circuit Breaker (System 2 and 4)	025-34424-000	N/A	025-34424-000	N/A
	2	NF Disconnect Switch (System 1 and 3)	N/A	029-23445-000	N/A	029-23445-000
	2	NF Disconnect Switch (System 2 and 4)	N/A	029-23445-000	N/A	029-23445-000
3B	4	MP Handle (CB & NFDS)	025-35697-000	024-33486-000	025-35697-000	024-33486-000
	4	MP Shaft (CB & NFDS)	025-35696-000	024-33444-000	025-35696-000	024-33444-000
3C	4	Auxiliary Switch	024-31646-000	N/A	024-31646-000	N/A
3E	4	Auxiliary Contact	N/A	024-33485-000	N/A	024-33485-000
3J	4	MP Ground Lug	025-34085-000	025-34085-000	025-34085-000	025-34085-000

XX*	Multi Point supply TB
MB*	Multi Point supply CBs
SB*	Single Point TB supply w/ Separate System CBs
DB*	Single Point NFDS supply w/ Separate System CBs
DP*	Multi Point NFDS supply w/ Separate System CBs

^s Recommended Spare Part

***Service Note:**

Locate the **PANEL NUMBER** sticker on the upper right hand corner of the power panel, then refer to the appropriate parts list for that number. Or, identify PIN number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table at right for power configuration options.

OPTIONS PANEL COMPONENTS

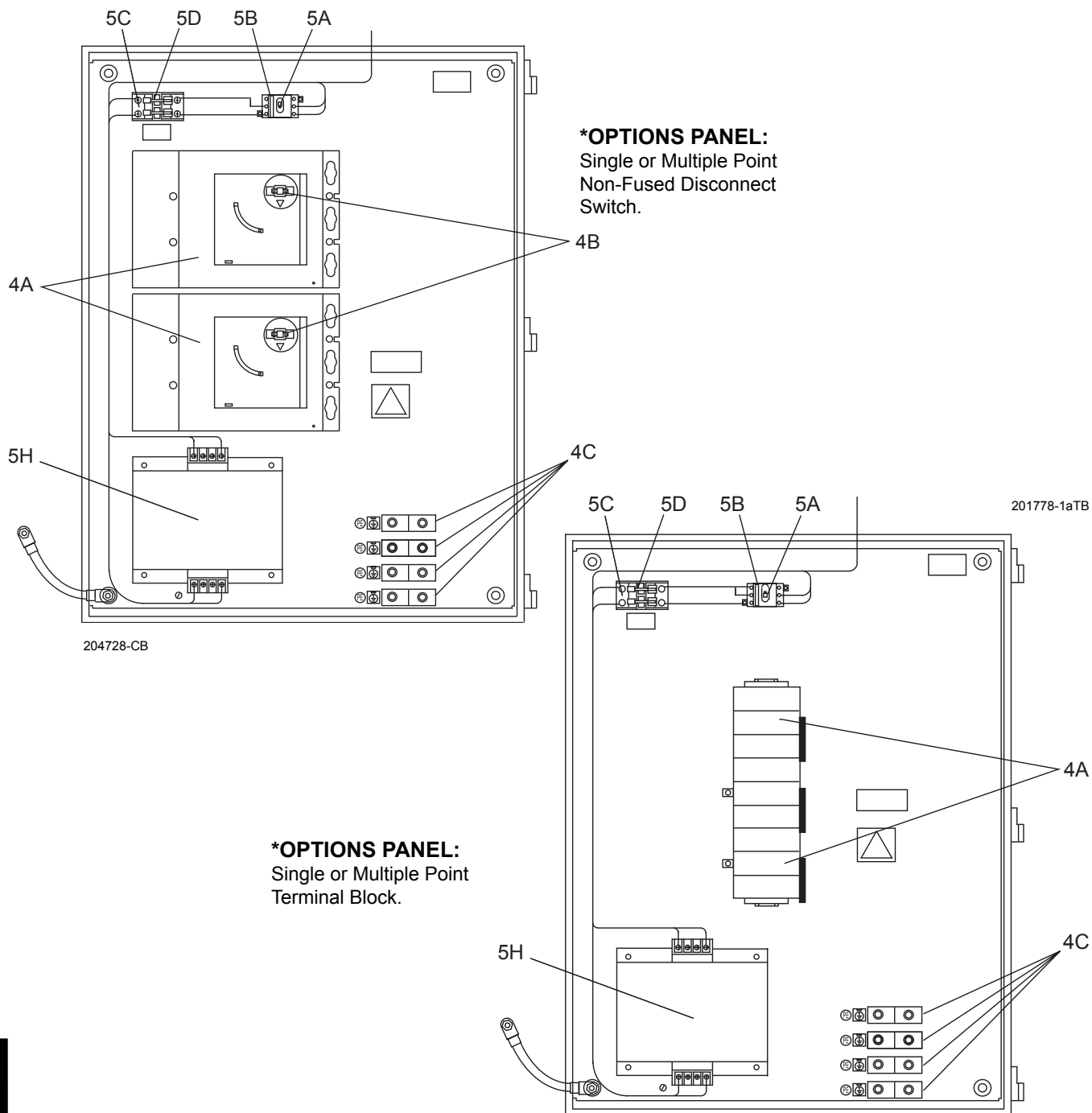


FIG. 14 – TERMINAL BLOCK OR NON-FUSED DISCONNECT SWITCH OPTIONS PANEL COMPONENTS (REF. TABLES 13 AND 14, PAGES 46 - 55)

TABLE 13 – OPTIONAL CONTROL TRANSFORMER KIT (SEE FIG. 14)

Item	Qty	Voltage Code	Description	Part Number
5A	1	All	Handle	024-31832-000
5B	1	All	Switch	024-31833-000
5C	1	-50	Fuse Block	025-35667-000
5D	2	-50	Fuse	025-37647-000
5H	1	-50	Control Transformer	025-35664-000

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS0693-50	
			371-02496-110 MB, XX or MN	371-02496-141 DP or MD
4A	3	Terminal Block	025-34405-000	N/A
	3		025-34454-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31870-000
	1		N/A	024-30964-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	1	SP Ground Lug	025-34087-000	025-34085-000
	1		025-34089-000	025-34085-000
4D	3	Insertion Bridge	N/A	N/A

Item	Qty	Description	YCAS0693-50	
			371-02496-102 SB or SN	371-02496-131 DB or DN
4A	3	Terminal Block	025-34405-000	N/A
	3		025-34405-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30965-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	1	SP Ground Lug	025-34087-000	025-34086-000
	1		025-34087-000	N/A
4D	3	Insertion Bridge	025-34423-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS0773-50	
			371-02496-112 MB, XX or MN	371-02496-143 DP or MD
4A	6	Terminal Block	025-34408-000	N/A
	3		025-34454-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30965-000
	1		N/A	024-31870-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34085-000	025-34086-000
	1		025-34089-000	025-34085-000
4D	3	Insertion Bridge	025-34422-000	N/A

Item	Qty	Description	YCAS0773-50	
			371-02496-102 SB or SN	371-02496-132 DB or DN
4A	3	Terminal Block	025-34405-000	N/A
	3		025-34405-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31889-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	1	SP Ground Lug	025-34087-000	025-34086-000
	1		025-34087-000	N/A
4D	3	Insertion Bridge	025-34423-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS0783-50	
			371-02496-110 MB, XX or MN	371-02496-141 DP or MD
4A	3	Terminal Block	025-34405-000	N/A
	3		025-34454-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31870-000
	1		N/A	024-30964-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	1	SP Ground Lug	025-34087-000	025-34085-000
	1		025-34089-000	025-34085-000
4D	3	Insertion Bridge	N/A	N/A

Item	Qty	Description	YCAS0783-50	
			371-02496-102 SB or SN	371-02496-131 DB or DN
4A	6	Terminal Block	025-34405-000	N/A
	3		025-34405-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30965-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	1	SP Ground Lug	025-34087-000	025-34086-000
	1		025-34087-000	N/A
4D	3	Insertion Bridge	025-34423-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS0873-50	
			371-02496-113 MB, XX or MN	371-02496-144 DP or MD
4A	6	Terminal Block	025-34408-000	N/A
	3		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30963-000
	1		N/A	024-30965-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34085-000	025-34085-000
	1		025-34085-000	025-34086-000
4D	3	Insertion Bridge	025-34422-000	N/A

Item	Qty	Description	YCAS0873-50	
			371-02496-103 SB or SN	371-02496-132 DB or DN
4A	6	Terminal Block	025-34408-000	N/A
	3		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31889-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	1	SP Ground Lug	025-34085-000	025-34086-000
	1		025-34085-000	N/A
4D	3	Insertion Bridge	025-34497-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS0953-50	
			371-02496-113 MB, XX or MN	371-02496-144 DP or MD
4A	6	Terminal Block	025-34408-000	N/A
	3		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30963-000
	1		N/A	024-30965-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34085-000	025-34085-000
	1		025-34085-000	025-34086-000
4D	3	Insertion Bridge	025-34422-000	N/A

Item	Qty	Description	YCAS0953-50	
			371-02496-103 SB or SN	371-02496-132 DB or DN
4A	6	Terminal Block	025-34408-000	N/A
	3		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31889-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	1	SP Ground Lug	025-34085-000	025-34086-000
	1		025-34085-000	N/A
4D	3	Insertion Bridge	025-34497-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS1063-50	
			371-02497-111 MB, XX or MN	371-02497-141 DP or MD
4A	6	Terminal Block	025-34408-000	N/A
	6		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30965-000
	1		N/A	024-30965-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34085-000	025-34086-000
	2		025-34085-000	025-34086-000
4D	6	Insertion Bridge	025-34422-000	N/A

Item	Qty	Description	YCAS1063-50	
			371-02497-102 SB or SN	371-02497-132 DB or DN
4A	6	Terminal Block	025-34405-000	N/A
	3		025-34405-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31890-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-37655-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34087-000	025-34087-000
	1		025-34087-000	025-34087-000
4D	3	Insertion Bridge	025-34426-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS1093-50	
			371-02497-111 MB, XX or MN	371-02497-141 DP or MD
4A	6	Terminal Block	025-34408-000	N/A
	6		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30965-000
	1		N/A	024-30965-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34085-000	025-34086-000
	2		025-34085-000	025-34086-000
4D	6	Insertion Bridge	025-34422-000	N/A

Item	Qty	Description	YCAS1093-50	
			371-02497-102 SB or SN	371-02497-132 DB or DN
4A	6	Terminal Block	025-34405-000	N/A
	3		025-34405-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31890-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-37655-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34087-000	025-34087-000
	1		025-34087-000	025-34087-000
4D	3	Insertion Bridge	025-34426-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS1163-50	
			371-02497-111 MB, XX or MN	371-02497-141 DP or MD
4A	6	Terminal Block	025-34408-000	N/A
	6		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30965-000
	1		N/A	024-30965-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34085-000	025-34086-000
	2		025-34085-000	025-34086-000
4D	6	Insertion Bridge	025-34422-000	N/A

Item	Qty	Description	YCAS1163-50	
			371-02497-102 SB or SN	371-02497-132 DB or DN
4A	6	Terminal Block	025-34405-000	N/A
	3		025-34405-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31890-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-37655-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34087-000	025-34087-000
	1		025-34087-000	025-34087-000
4D	3	Insertion Bridge	025-34426-000	N/A

OPTIONS PANEL COMPONENTS (CONT'D)

TABLE 14 – OPTIONS PANEL COMPONENTS (SEE FIG. 14, PAGE 46)

Item	Qty	Description	YCAS1263-50	
			371-02497-111 MB, XX or MN	371-02497-141 DP or MD
4A	6	Terminal Block	025-34408-000	N/A
	6		025-34408-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-30965-000
	1		N/A	024-30965-000
4B	2	SP Handle (NFDS)	N/A	025-35697-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34085-000	025-34086-000
	2		025-34085-000	025-34086-000
4D	6	Insertion Bridge	025-34422-000	N/A

Item	Qty	Description	YCAS1263-50	
			371-02497-102 SB or SN	371-02497-132 DB or DN
4A	6	Terminal Block	025-34405-000	N/A
	3		025-34405-000	N/A
	1	Non-Fused Disconnect Switch	N/A	024-31890-000
	1		N/A	N/A
4B	2	SP Handle (NFDS)	N/A	025-37655-000
	2	SP Shaft (NFDS)	N/A	025-35696-000
4C	2	SP Ground Lug	025-34087-000	025-34087-000
	1		025-34087-000	025-34087-000
4D	3	Insertion Bridge	025-34426-000	N/A

FAN CONTACTOR COMPONENTS

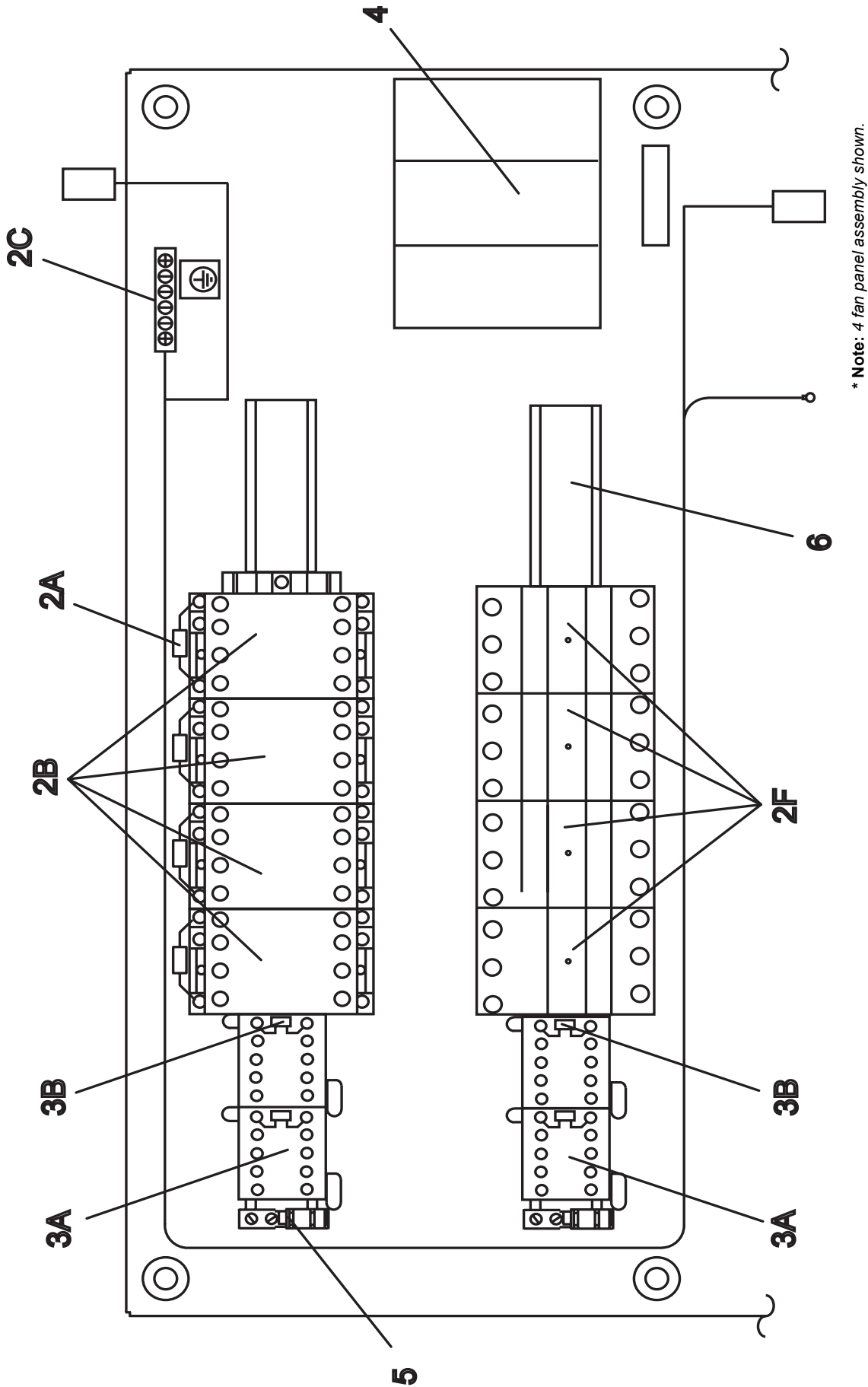


FIG. 15 – FAN CONTACTOR COMPONENTS (REF. TABLE 15, PAGE 57)

FAN CONTACTOR COMPONENTS (CONT'D)

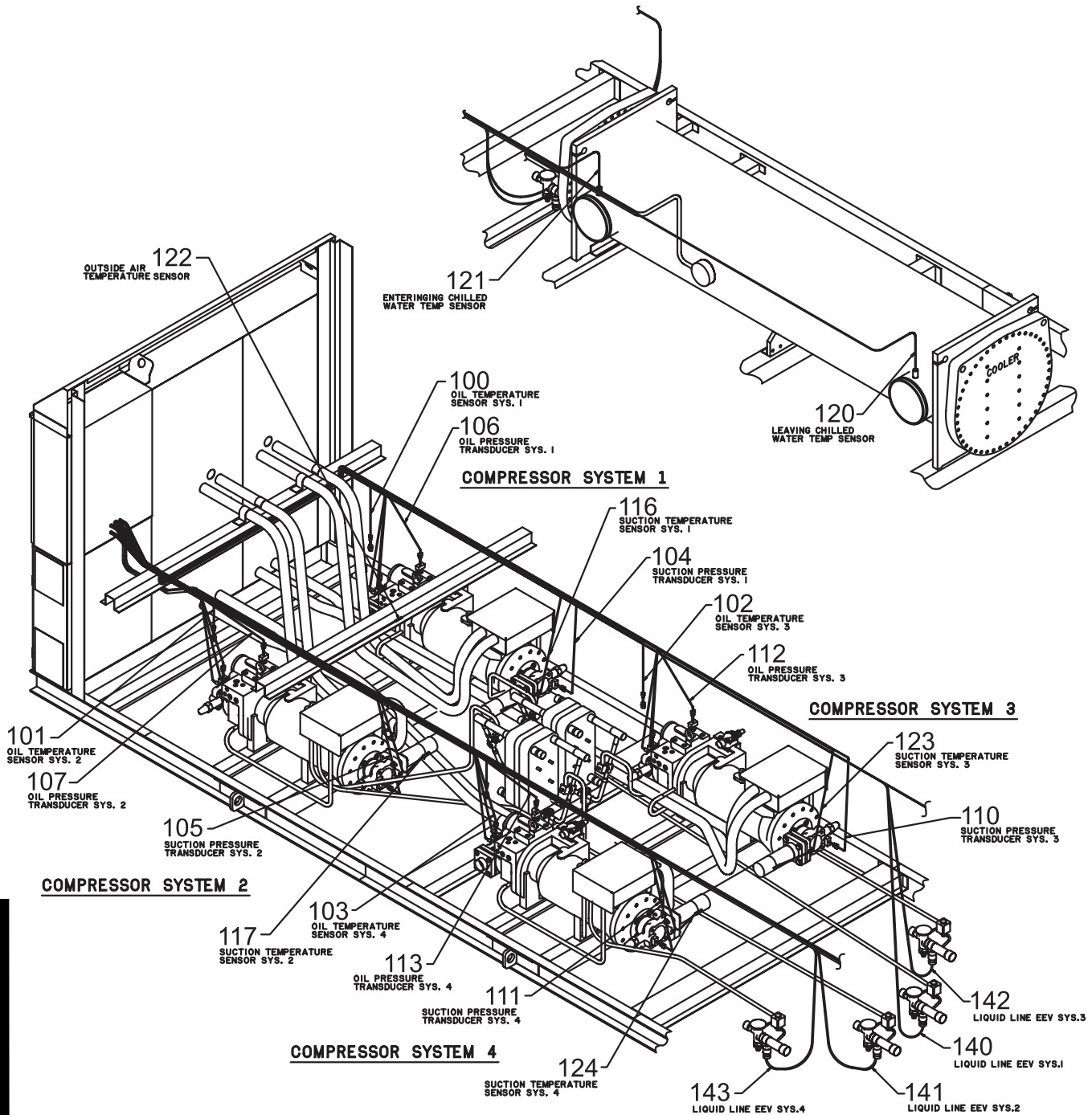
TABLE 15 – FAN CONTACTOR COMPONENTS - STYLE G (SEE FIG. 15, PAGE 56)

Item #	Legend	Description	Qty*	Part Number
2A		SURGE SUPPRESSOR	4	031-02104-000
2Bs	9M-20M	FAN CONTACTOR 380V-415V	4	024-34300-000
2C		GROUND BAR	1	025-35685-000
2Fs	9OL-20OL	6.3 Amp OVERLOAD	4	024-33168-000
		9.0 Amp OVERLOAD		024-33169-000
		12.0 Amp OVERLOAD		024-33178-000
3A	CR & TR	CONTROL RELAY	4	024-33177-000
3B		SURGE SUPPRESSOR	4	031-02107-000
4		3 POLE TERMINAL BLOCK	1	025-34451-000
5		END CLAMP	3	025-34439-000
6		DIN RAIL, SLOTTED	1	025-29167-000

* NOTE: 4 fan quantities are shown in this table. Adjust quantities for 3, 5 and 6 fan assemblies as needed.

° Recommended Spare Part

SENSOR HARNESSES



52093-1b

FIG. 16 – HARNESS LAYOUT FOUR COMPRESSOR UNIT SHOWN (REF. TABLE 16, PAGES 60 AND 61)

SENSOR HARNESSES - CONT'D

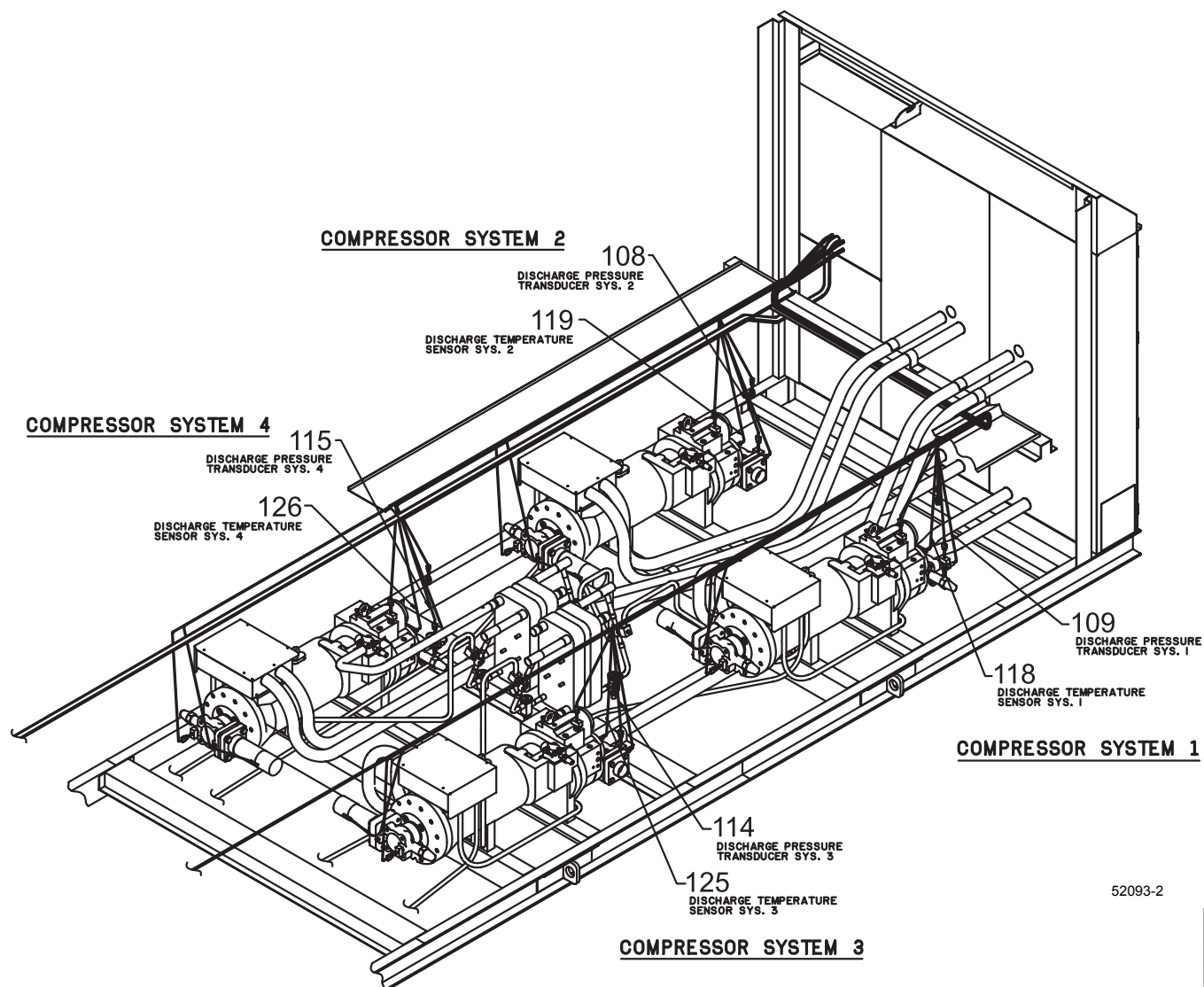


FIG. 16A – HARNESS LAYOUT FOUR COMPRESSOR UNIT SHOWN (REF. TABLE 16, PAGES 60 AND 61)

SENSOR HARNESSES - CONT'D

TABLE 16 – SENSOR HARNESS WIRING (SEE FIGS. 16 AND 16A, PAGES 58 AND 59)

Board Location	Cable Item No.	Cable Length	Wire Color	Plug Pin No.	Function	Harness Assembly Part Number
MICRO P13	104	201"	Red	4	System #1 Suction Pressure	371-02504-211
			Black	1		
			White	7		
			Drain	2		
	106	139"	Red	5	System #1 Oil Pressure	371-02504-213
			Black	3		
			White	8		
			Drain	9		
MICRO P14	105	144"	Red	4	System #2 Suction Pressure	371-02504-212
			Black	1		
			White	7		
			Drain	2		
	107	87"	Red	5	System #2 Oil Pressure	371-02504-214
			Black	3		
			White	8		
			Drain	9		
MICRO P11	120	438"	Red	7	Leaving Chilled Water Temperature	371-02504-236
			Black	4		
			Drain	1		
	121	390"	Red	8	Entering Chilled Water Temperature	371-02504-237
			Black	5		
			Drain	2		
	122	140"	Red	9	Outside Air Temperature	371-02504-238
			Black	6		
			Drain	3		
MICRO P15	109	88"	Red	5	System #1 Discharge Pressure	371-02504-216
			Black	3		
			White	8		
			Drain	9		
	108	141"	Red	4	System #2 Discharge Pressure	371-02504-215
			Black	1		
			White	7		
			Drain	2		
MICRO P16	116	193"	Red	5	System #1 Suction Temperature	371-02504-231
			Black	6		
			Drain	1		
	117	138"	Red	2	System #2 Suction Temperature	371-02504-232
			Black	4		
			Drain	3		
I/O 1 P10	100	157"	Red	4	System #1 Oil Temperature	371-02504-201
			Black	7		
			Drain	3		
	101	103"	Red	5	System #2 Oil Temperature	371-02504-202
			Black	6		
			Drain	2		
I/O 1 P8	118	157"	Red	2	System #1 Discharge Temperature	371-02504-233
			Black	4		
			Drain	1		
	119	107"	Red	5	System #2 Discharge Temperature	371-02504-234
			Black	6		
			Drain	3		
I/O 2 P4	110	310"	Red	5	System #3 Suction Pressure	371-02504-221
			Black	1		
			White	10		
			Drain	2		
	112	246"	Red	6	System #3 Oil Pressure	371-02504-223
			Black	3		
			White	11		
			Drain	4		
	114	252"	Red	7	System #3 Discharge Pressure	371-02504-225
			Black	8		
			White	12		
			Drain	9		

Option & Power Panel

SENSOR HARNESSES - CONT'D

TABLE 16 (CONT'D) – SENSOR HARNESS WIRING (SEE FIGS. 16 AND 16A, PAGES 58 AND 59)

Board Location	Cable Item No.	Cable Length	Wire Color	Plug Pin No.	Function	Harness Assembly Part Number
I/O 2 P6	102	251"	Red	4	System #3 Oil Temperature	371-02504-203
			Black	8		
			Drain	1		
	125	246"	Red	5	System #3 Discharge Temperature	371-02504-243
			Black	9		
			Drain	2		
I/O 2 P7	111	265"	Red	5	System #4 Suction Pressure	371-02504-222
			Black	1		
			White	10		
			Drain	2		
	113	200"	Red	6	System #4 Oil Pressure	371-02504-224
			Black	3		
			White	11		
			Drain	4		
	115	202"	Red	7	System #4 Discharge Pressure	371-02504-226
			Black	8		
			White	12		
			Drain	9		
I/O 2 P8	103	194"	Red	4	System #4 Oil Temperature	371-02504-204
			Black	8		
			Drain	1		
	126	194"	Red	5	System #4 Discharge Temperature	371-02504-244
			Black	9		
			Drain	2		
I/O 2 P5	123	312"	Red	4	System #3 Suction Temperature	371-02504-241
			Black	8		
			Drain	1		
	124	261"	Red	5	System #4 Suction Temperature	371-02504-242
			Black	9		
			Drain	2		
EEV OUTPUT BOARD NO. 1 AND TRANS- FORMERS 6T & 7T	140	407"	Black	6T	System #1 EEV Output	375-46161-292
			Red	TB 1-2		
	141	343"	Black	7T	System #2 EEV Output	375-46161-293
			Red	TB 2-2		
EEV OUTPUT BOARD NO. 2 AND TRANS- FORMERS 8T & 9T	142	407"	Black	8T	System #3 EEV Output	375-46161-287
			Red	TB 1-2		
	143	343"	Black	9T	System #4 EEV Output	375-46161-288
			Red	TB 2-2		

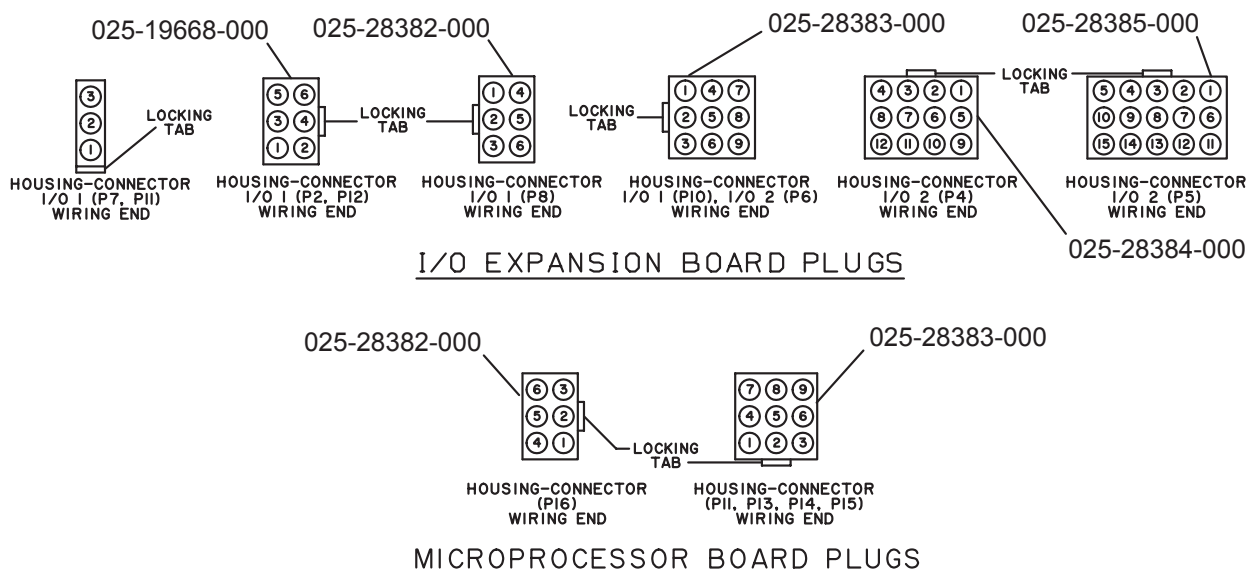
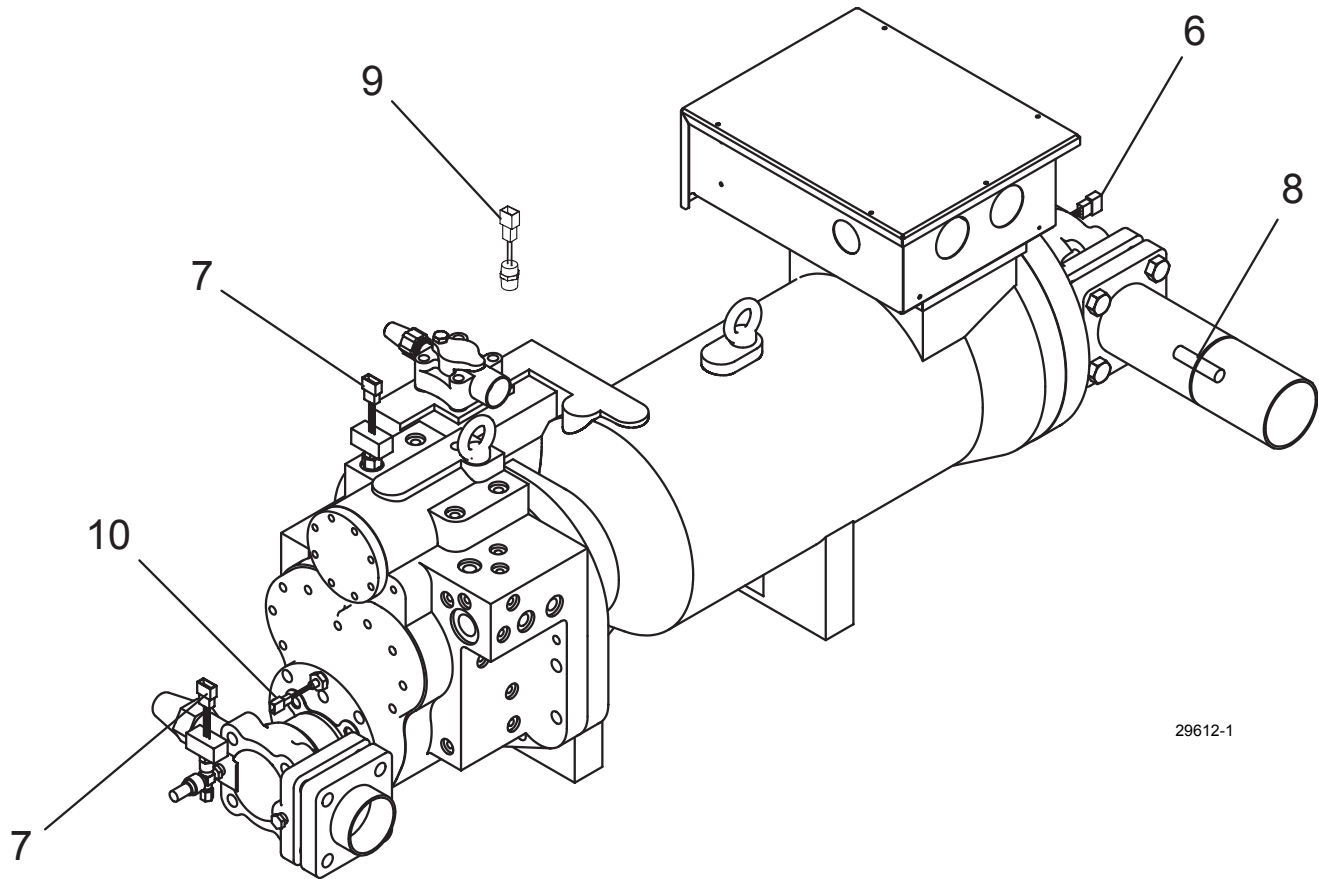
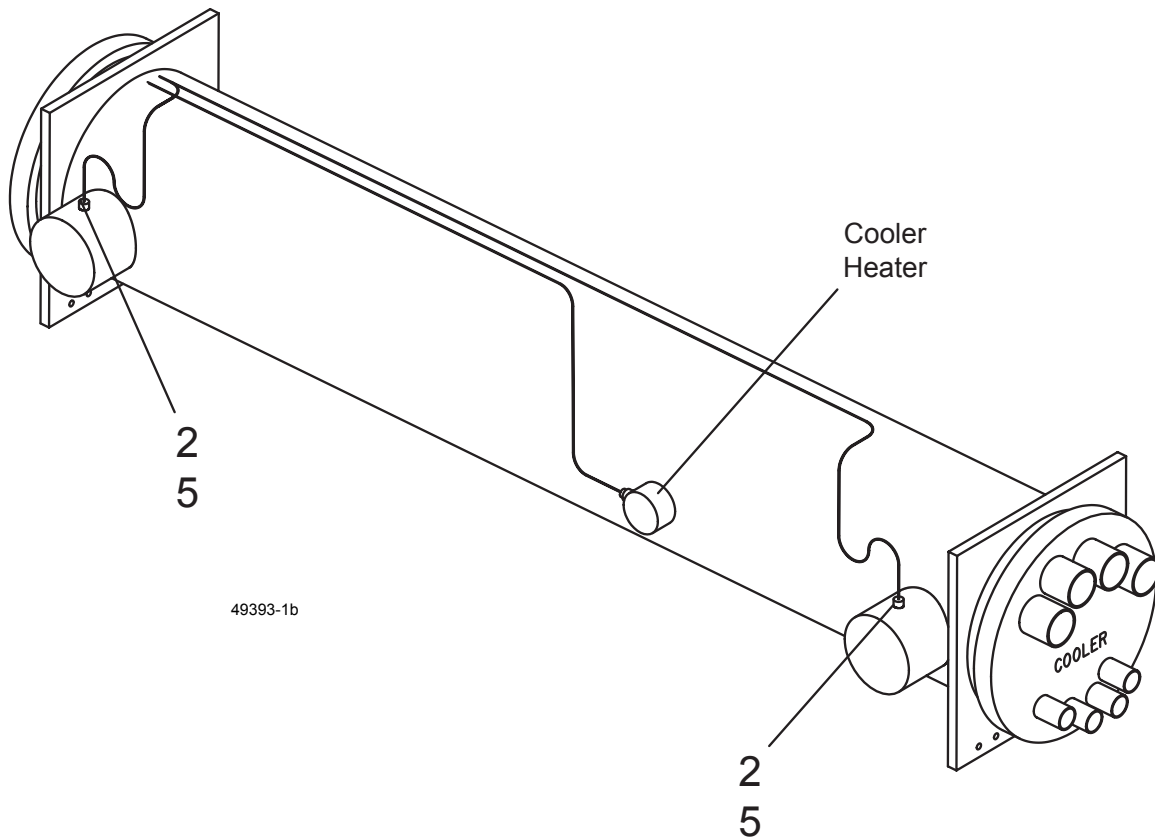


FIG. 16B – SENSOR HOUSING PART NUMBERS

TRANSDUCERS AND TEMP SENSORS



29612-1



49393-1b

FIG. 17 – TRANSDUCERS AND TEMP SENSORS (REF. TABLE 17, PAGE 63)

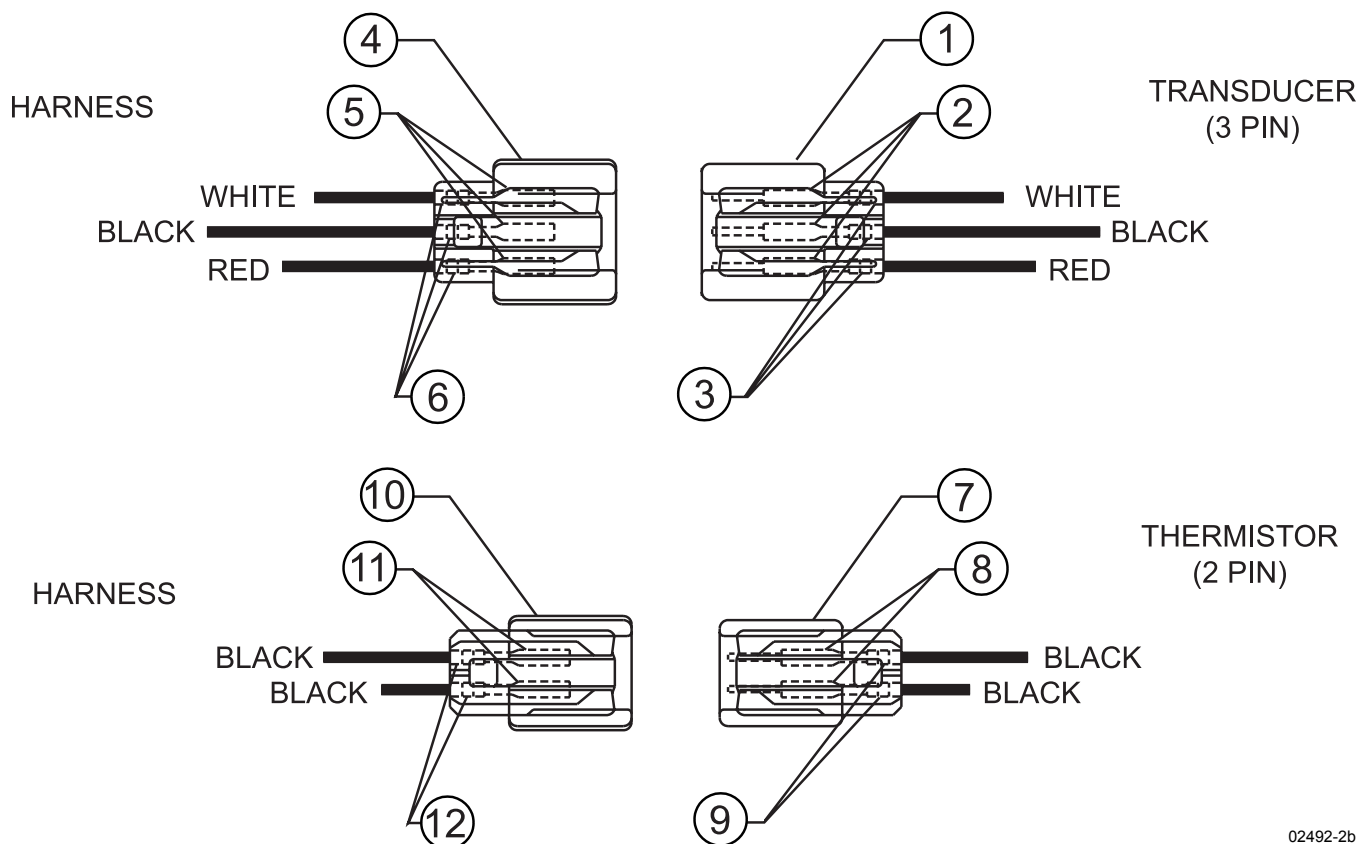
TRANSDUCERS AND TEMP SENSORS (CONT'D)

TABLE 17 – TRANSDUCERS AND TEMP SENSORS (SEE FIG. 17, PAGE 62)

Item #	Quantity	Description	Volt-age Code	Part Number
1^s	1	Sensor, Outside Air Temperature (Not Shown)	All	025-28663-001
2	2	Sensor, Water Temp. (EWT, LWT)	All	025-29964-000
5	-	Compound, Heat Conductive	All	013-00898-000
6^s	1 per system	Transducer, Suction Pressure (0-200psi)	All	025-29583-000
7^s	2 per system	Transducer, Discharge Pressure (0-400psi)	All	025-29139-001
8	1 per system	Sensor, EEV Suction Temperature	All	025-28935-000
9	1 per system	Oil Temperature Sensor	All	025-30440-000
10	1 per system	Discharge Temperature Sensor	All	025-32924-000

^s Recommended Spare Part

TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS



02492-2b

FIG. 18 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS (REF. TABLE 18, PAGE 65)

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

**TABLE 18 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS
- FIELD REPLACEMENT PART NUMBERS (SEE FIG. 18, PAGE 64)**

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

^s Recommended Spare Part

YCAS CHILLER OPTIONS – KITS

TABLE 19 – FIELD INSTALLED OPTIONS PART NUMBERS

MODEL NUMBER YCAS	VIBRATION ISOLATORS SPRING 1" DEFLEC. ALUMINUM* & BLACK FIN	VIBRATION ISOLATORS SPRING 2" (SEISMIC) ALUMINUM* & BLACK FIN	VIBRATION ISOLATOR PAD 1/2" DEFLEC. NEOPRENE	VIBRATION ISOLATORS SPRING 1" DEFLEC. COPPER*	VIBRATION ISOLATORS SPRING 2" (SEISMIC) COPPER*	VIBRATION ISOLATOR PAD 1/2" DEFLEC. NEOPRENE	BAS/EMS CURRENT RESET / OFFSET	BAS/EMS TEMPERA- TURE RESET / OFFSET
MODEL #	029-23707	029-23705	029-23706	029-23707	029-23705	029-23706	371-02492	371-02492
0693	-114	-220	-013	-144	-258	-034	-101	-102
0773	-114	-220	-013	-144	-258	-034	-101	-102
0783	-115	-221	-006	-140	-259	-026	-101	-102
0873	-115	-222	-006	-145	-260	-021	-101	-102
0953	-116	-223	-006	-146	-261	-037	-101	-102
1063	-117	-224	-015	-147	-262	-035	-101	-102
1093	-118	-225	-016	-148	-263	-038	-101	-102
1163	-119	-226	-008	-149	-264	-039	-101	-102
1263	-119	-226	-008	-149	-264	-039	-101	-102

* Note: Condenser Coil Fin Material.

MODEL NUMBER YCAS	MICRO- GATEWAY	STANDARD 150# FLOW SWITCH	OPTIONAL 300# FLOW SWITCH	WELD FLANGE KIT	VICTAULIC FLANGE KIT	COMPRESSOR BLANKET KIT
MODEL #	371-04455	024-26116	024-12144	375-07023	023-19201	310-
0693	-013	-000	-000	-000	-000	06517-000
0773						
0783						
0873						
0953						06518-000
1063						
1093						
1163						
1263						

ENCLOSURE KIT OPTIONS

TABLE 20 – ENCLOSURE KIT OPTIONS - TOP AND BOTTOM SECTIONS
(SEE FIGS. 19-22, PAGES 68-71)

MODEL NUMBER YCAS-	WIRE ENCLOSURE	LOUVERED ENCLOSURE	WIRE / LOUVERED ENCLOSURE	LOUVERED ENCLOSURE CONDENSER ONLY
0693	475-31585-000	475-31588-000	475-31591-000	475-31594-000
0773	475-31585-000	475-31588-000	475-31591-000	475-31594-000
0783	475-31584-000	475-31587-000	475-31590-000	475-31593-000
0873	475-31584-000	475-31587-000	475-31590-000	475-31593-000
0953	475-31584-000	475-31587-000	475-31590-000	475-31593-000
1063	475-31596-000	475-31600-000	475-31604-000	475-31608-000
1093	475-31598-000	475-31602-000	475-31606-000	475-31610-000
1163	475-31597-000	475-31601-000	475-31605-000	475-31609-000
1263	475-31597-000	475-31601-000	475-31605-000	475-31609-000

ENCLOSURE KIT OPTIONS (CONT'D)

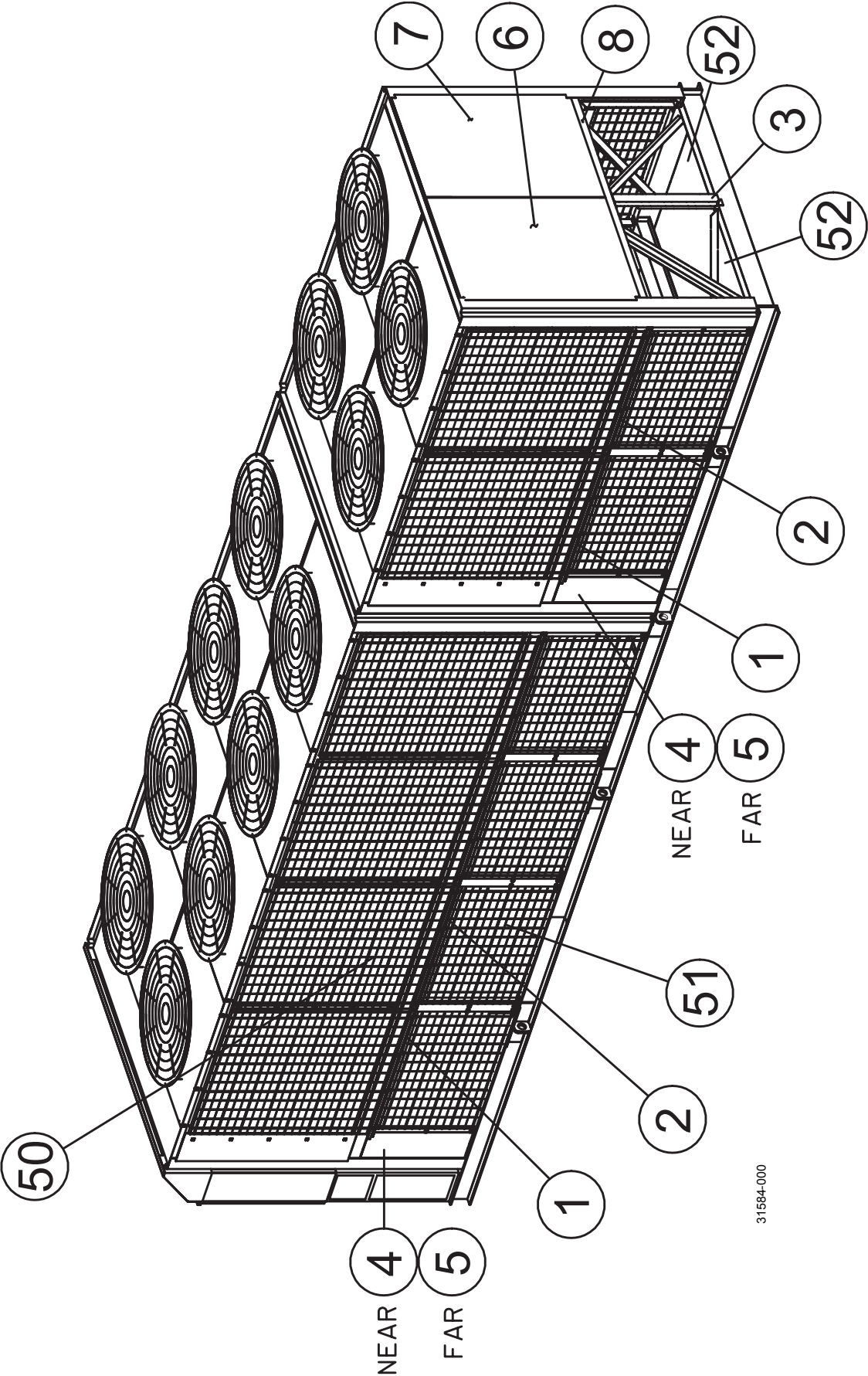


FIG. 19 – WIRE ENCLOSURE (3 AND 4 COMPRESSOR UNITS) - YCAS0783, YCAS0873 & YCAS0953 SHOWN (REF. TABLES 21 AND 21A, PAGE 69)

ENCLOSURE KIT OPTIONS (CONT'D)

TABLE 21 – WIRE ENCLOSURE (3 COMPRESSOR) - (SEE FIG. 19, PAGE 68)

WIRE ENCLOSURE KIT COMPONENTS					
ITEM #	DESCRIPTION	YCAS0693 & YCAS0773		YCAS0783, 0873 & YCAS0953	
		475-31585-000	QTY	475-31584-000	QTY
1	Z CHANNEL	075-29588-000	4	075-29588-000	4
2	Z CHANNEL DXST	075-29589-000	6	075-29589-000	8
3	SUPPORT - REAR	075-29590-000	1	075-29590-000	1
4	VANITY PANEL - RH	075-29591-000	2	075-29591-000	2
5	VANITY PANEL - LH	075-29592-000	2	075-29592-000	2
6	REAR PANEL - LH	075-29532-000	1	075-29532-000	1
7	REAR PANEL - RH	075-29533-000	1	075-29533-000	1
8	SUPPORT RAIL	075-25535-000	1	075-25535-000	1
50	WIRE GRILL - CONDENSER	026-36533-000	10	026-36533-000	12
51	WIRE GRILL - BOTTOM	026-36534-000	10	026-36534-000	12
52	WIRE GRILL - BOTTOM REAR	026-36535-000	2	026-36535-000	2

TABLE 21A – WIRE ENCLOSURE (4 COMPRESSOR) - (SEE FIG. 19, PAGE 68)

WIRE ENCLOSURE KIT COMPONENTS							
ITEM #	DESCRIPTION	YCAS1063		YCAS1093		YCAS1163 & YCAS1263	
		475-31596-000	QTY	475-31598-000	QTY	475-31597-000	QTY
1	Z CHANNEL	075-29588-000	4	075-29588-000	4	075-29588-000	4
2	Z CHANNEL DXST	075-29589-000	12	075-29589-000	10	075-29589-000	12
3	SUPPORT - REAR	075-29590-000	1	075-29590-000	1	075-29590-000	1
4	VANITY PANEL - RH	075-29591-000	2	075-29591-000	2	075-29591-000	2
5	VANITY PANEL - LH	075-29592-000	2	075-29592-000	2	075-29592-000	2
6	REAR PANEL - LH	075-29532-000	1	075-29532-000	1	075-29532-000	1
7	REAR PANEL - RH	075-29533-000	1	075-29533-000	1	075-29533-000	1
8	SUPPORT RAIL	075-25535-000	1	075-25535-000	1	075-25535-000	1
50	WIRE GRILL - CONDENSER	026-36533-000	16	026-36533-000	14	026-36533-000	16
51	WIRE GRILL - BOTTOM	026-36534-000	16	026-36534-000	14	026-36534-000	16
52	WIRE GRILL - BOTTOM REAR	026-36535-000	2	026-36535-000	2	026-36535-000	2

ENCLOSURE KIT OPTIONS (CONT'D)

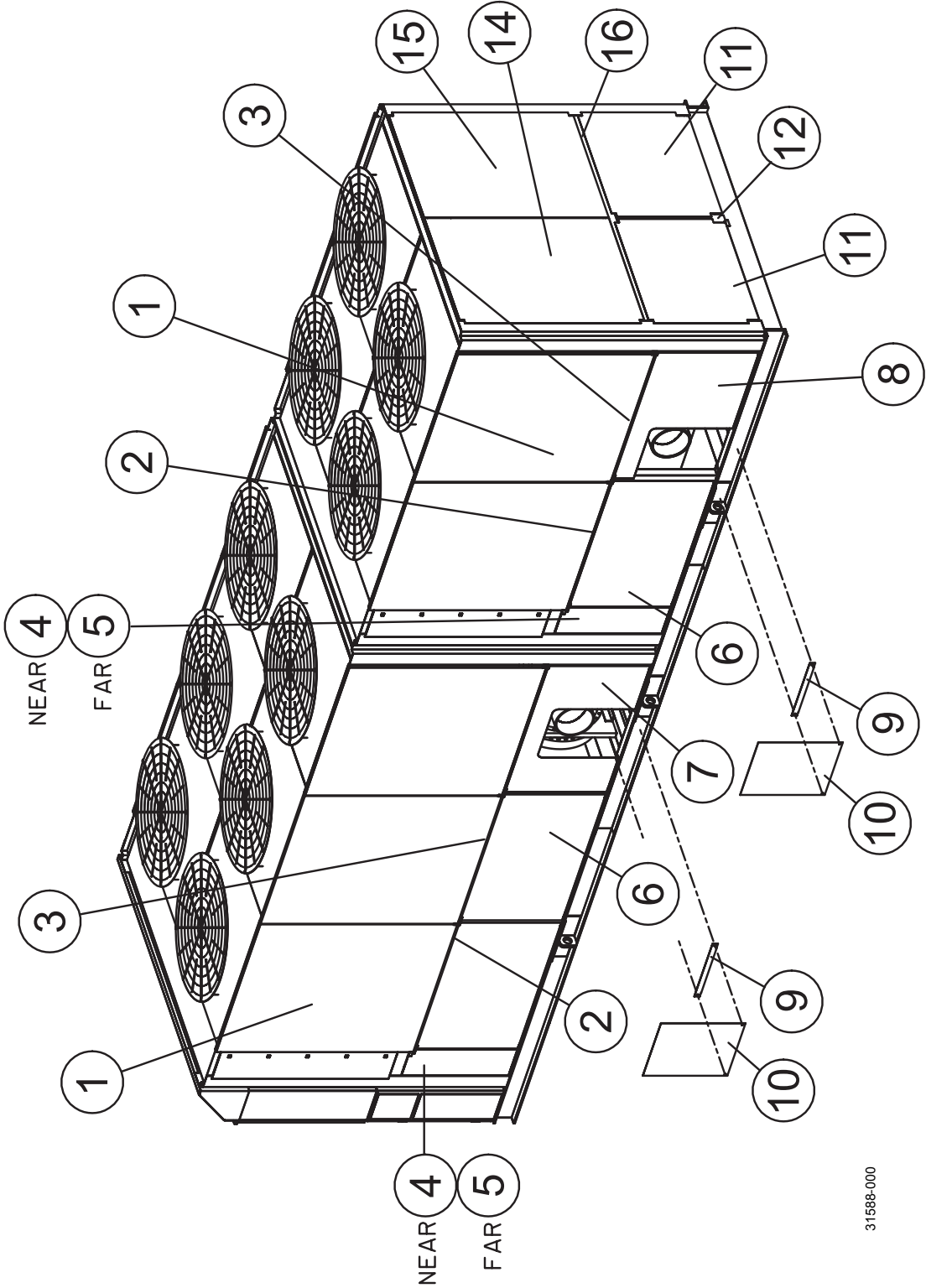


FIG. 20 – LOUVERED ENCLOSURE (3 AND 4 COMPRESSOR UNITS) - YCAS0693 & YCAS0773 SHOWN (REF. TABLES 22 AND 22A, PAGE 71)

ENCLOSURE KIT OPTIONS (CONT'D)

TABLE 22 – LOUVERED ENCLOSURE (3 COMPRESSOR) - (SEE FIG. 20, PAGE 70)

LOUVERED ENCLOSURE KIT COMPONENTS					
ITEM #	DESCRIPTION	YCAS0693 & YCAS0773		YCAS0783, 0873 & YCAS0953	
		475-31588-000	QTY	475-31587-000	QTY
1	LOUVERED PANEL - TOP	075-29580-000	10	075-29580-000	12
2	Z CHANNEL	075-29588-000	4	075-29588-000	4
3	Z CHANNEL DXST	075-29589-000	6	075-29589-000	8
4	VANITY PANEL - RH	075-29591-000	2	075-29591-000	2
5	VANITY PANEL - LH	075-29592-000	2	075-29592-000	2
6	LOUVERED PANEL - BOTTOM	075-29581-000	8	075-29581-000	10
7	LOUVERED PANEL - BOTTOM	075-31617-000	1	075-31617-000	1
8	LOUVERED PANEL - BOTTOM	075-31618-000	1	075-31618-000	1
9	ANGLE SUPPORT	075-29587-000	2	075-29587-000	2
10	COVER PLATE	075-31619-000	2	075-31619-000	2
11	LOUVERED PANEL - BOTTOM	075-29585-000	2	075-29585-000	2
12	REAR SUPPORT	075-29590-000	1	075-29590-000	1
14	REAR PANEL - LH	075-29532-000	1	075-29532-000	1
15	REAR PANEL - RH	075-29533-000	1	075-29533-000	1
16	SUPPORT RAIL	075-25535-000	1	075-25535-000	1

TABLE 22A – LOUVERED ENCLOSURE (4 COMPRESSOR) - (SEE FIG. 20, PAGE 70)

LOUVERED ENCLOSURE KIT COMPONENTS							
ITEM #	DESCRIPTION	YCAS1063		YCAS1093		YCAS1163 & YCAS1263	
		475-31600-000	QTY	475-31602-000	QTY	475-31601-000	QTY
1	LOUVERED PANEL - TOP	075-29580-000	16	075-29580-000	14	075-29580-000	16
2	Z CHANNEL	075-29588-000	4	075-29588-000	4	075-29588-000	4
3	Z CHANNEL DXST	075-29589-000	12	075-29589-000	10	075-29589-000	12
4	VANITY PANEL - RH	075-29591-000	2	075-29591-000	2	075-29591-000	2
5	VANITY PANEL - LH	075-29592-000	2	075-29592-000	2	075-29592-000	2
6	LOUVERED PANEL - BOTTOM	075-29581-000	14	075-29581-000	12	075-29581-000	14
7	LOUVERED PANEL - BOTTOM	075-31617-000	1	075-31617-000	1	075-31617-000	1
8	LOUVERED PANEL - BOTTOM	075-31622-000	1	075-31622-000	1	075-31622-000	1
9	ANGLE SUPPORT	075-29587-000	2	075-29587-000	2	075-29587-000	2
10	COVER PLATE	075-31619-000	2	075-31619-000	2	075-31619-000	2
11	LOUVERED PANEL - BOTTOM	075-29585-000	2	075-29585-000	2	075-29585-000	2
12	REAR SUPPORT	075-29590-000	1	075-29590-000	1	075-29590-000	1
14	REAR PANEL - LH	075-29532-000	1	075-29532-000	1	075-29532-000	1
15	REAR PANEL - RH	075-29533-000	1	075-29533-000	1	075-29533-000	1
16	SUPPORT RAIL	075-25535-000	1	075-25535-000	1	075-25535-000	1

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YORK INTERNATIONAL

ENCLOSURE KIT OPTIONS (CONT'D)

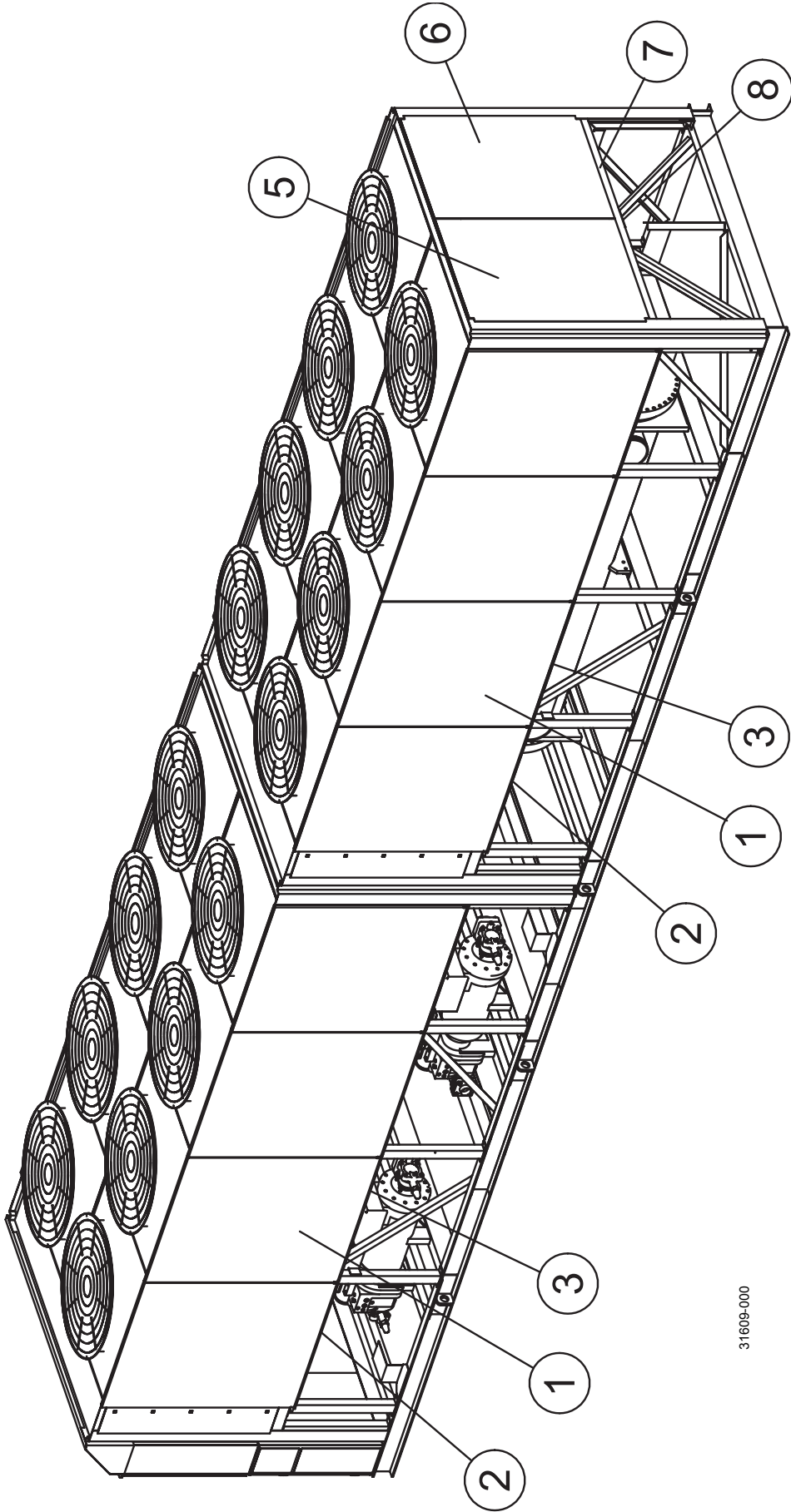
TABLE 23 – WIRE/LOUVERED ENCLOSURE (3 COMPRESSOR) - (SEE FIG. 21, PAGE 72)

WIRE/LOUVERED ENCLOSURE KIT COMPONENTS					
ITEM #	DESCRIPTION	YCAS0693 & YCAS0773		YCAS0783, 0873 & YCAS0953	
		475-31591-000	QTY	475-31590-000	QTY
1	LOUVERED PANEL - TOP	075-29580-000	10	075-29580-000	12
2	Z CHANNEL	075-29588-000	4	075-29588-000	4
3	Z CHANNEL DXST	075-29589-000	6	075-29589-000	8
4	REAR SUPPORT	075-29590-000	1	075-29590-000	1
5	VANITY PANEL - RH	075-29591-000	2	075-29591-000	2
6	VANITY PANEL - LH	075-29592-000	2	075-29592-000	2
8	REAR PANEL - LH	075-29532-000	1	075-29532-000	1
9	REAR PANEL - RH	075-29533-000	1	075-29533-000	1
10	SUPPORT RAIL	075-25535-000	1	075-25535-000	1
50	WIRE GRILL - BOTTOM	026-36534-000	10	026-36534-000	12
51	WIRE GRILL - BOTTOM REAR	026-36535-000	2	026-36535-000	2

TABLE 23A – WIRE/LOUVERED ENCLOSURE (4 COMPRESSOR) - (SEE FIG. 21, PAGE 72)

WIRE/LOUVERED ENCLOSURE KIT COMPONENTS							
ITEM #	DESCRIPTION	YCAS1063		YCAS1093		YCAS1163 & YCAS1263	
		475-31604-000	QTY	475-31606-000	QTY	475-31605-000	QTY
1	LOUVERED PANEL - TOP	075-29580-000	16	075-29580-000	14	075-29580-000	16
2	Z CHANNEL	075-29588-000	4	075-29588-000	4	075-29588-000	4
3	Z CHANNEL DXST	075-29589-000	12	075-29589-000	10	075-29589-000	12
4	REAR SUPPORT	075-29590-000	1	075-29590-000	1	075-29590-000	1
5	VANITY PANEL - RH	075-29591-000	2	075-29591-000	2	075-29591-000	2
6	VANITY PANEL - LH	075-29592-000	2	075-29592-000	2	075-29592-000	2
8	REAR PANEL - LH	075-29532-000	1	075-29532-000	1	075-29532-000	1
9	REAR PANEL - RH	075-29533-000	1	075-29533-000	1	075-29533-000	1
10	SUPPORT RAIL	075-25535-000	1	075-25535-000	1	075-25535-000	1
50	WIRE GRILL - BOTTOM	026-36534-000	16	026-36534-000	14	026-36534-000	16
51	WIRE GRILL - BOTTOM REAR	026-36535-000	2	026-36535-000	2	026-36535-000	2

ENCLOSURE KIT OPTIONS (CONT'D)



31609-000

FIG. 22 – LOUVERED ENCLOSURE COONDENSER ONLY (3 AND 4 COMPRESSOR UNITS) - YCAS1063, YCAS1163 & YCAS1263 SHOWN (REF. TABLES 24 AND 24A, PAGE 75)

ENCLOSURE KIT OPTIONS (CONT'D)

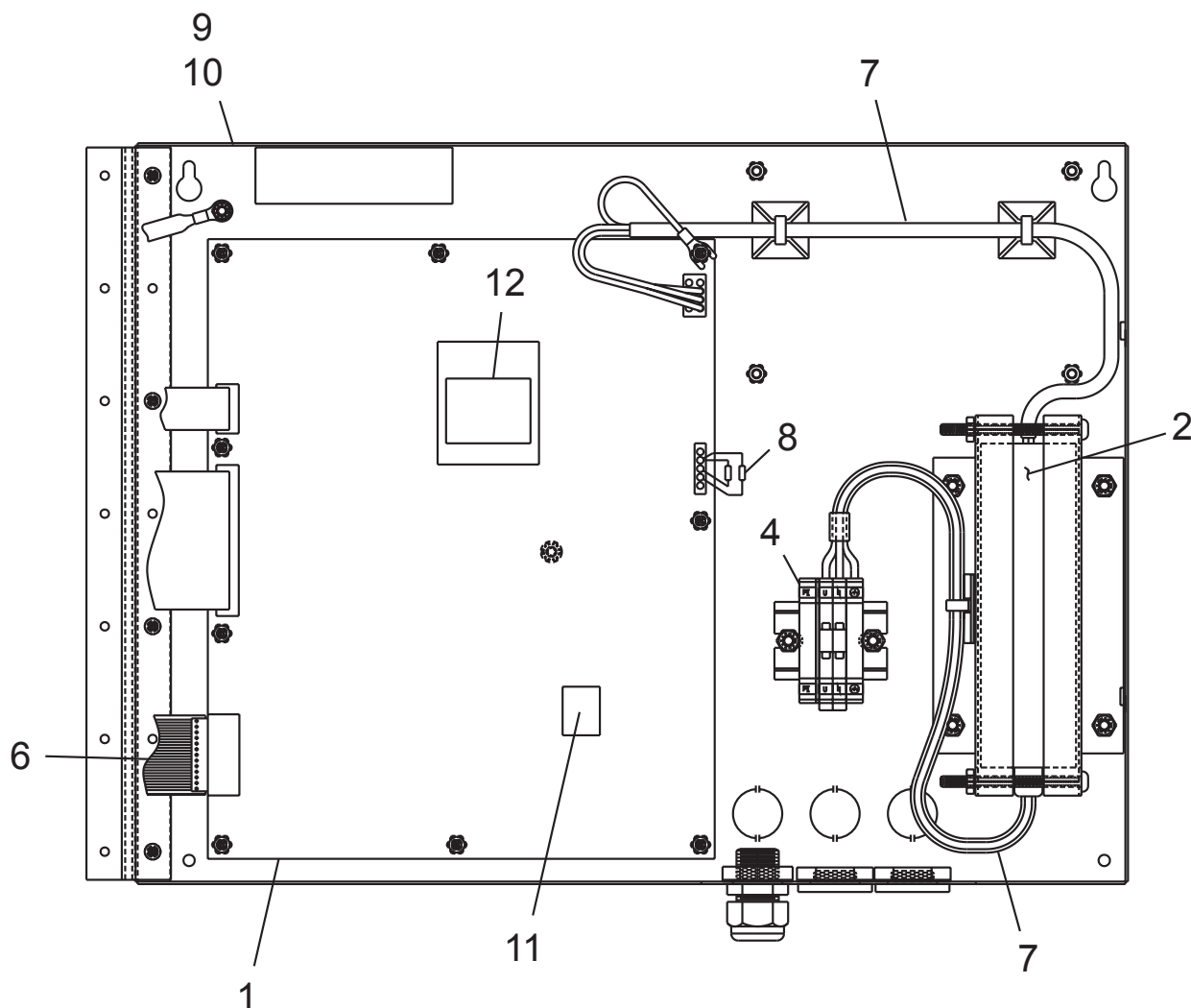
TABLE 24 – LOUVERED ENCLOSURE CONDENSER ONLY (3 COMPRESSOR) - (SEE FIG. 22, PAGE 74)

LOUVERED (CONDENSER ONLY) ENCLOSURE KIT COMPONENTS					
ITEM #	DESCRIPTION	YCAS0693 & YCAS0773		YCAS0783, 0873 & YCAS0953	
		475-31594-000	QTY	475-31593-000	QTY
1	LOUVERED PANEL - TOP	075-29580-000	10	075-29580-000	12
2	Z CHANNEL	075-29588-000	4	075-29588-000	4
3	Z CHANNEL DXST	075-29589-000	6	075-29589-000	8
5	REAR PANEL - LH	075-29532-000	1	075-29532-000	1
6	REAR PANEL - RH	075-29533-000	1	075-29533-000	1
7	SUPPORT RAIL	075-25535-000	1	075-25535-000	1
8	COVER PLATE	075-29535-000	1	075-29535-000	1

TABLE 24A – LOUVERED ENCLOSURE CONDENSER ONLY (4 COMPRESSOR) - (SEE FIG. 22, PAGE 74)

LOUVERED (CONDENSER ONLY) ENCLOSURE KIT COMPONENTS							
ITEM #	DESCRIPTION	YCAS1063		YCAS1093		YCAS1163 & YCAS1263	
		475-31608-000	QTY	475-31610-000	QTY	475-31609-000	QTY
1	LOUVERED PANEL - TOP	075-29580-000	16	075-29580-000	14	075-29580-000	16
2	Z CHANNEL	075-29588-000	4	075-29588-000	4	075-29588-000	4
3	Z CHANNEL DXST	075-29589-000	12	075-29589-000	10	075-29589-000	12
5	REAR PANEL - LH	075-29532-000	1	075-29532-000	1	075-29532-000	1
6	REAR PANEL - RH	075-29533-000	1	075-29533-000	1	075-29533-000	1
7	SUPPORT RAIL	075-25535-000	1	075-25535-000	1	075-25535-000	1
8	COVER PLATE	075-29535-000	1	075-29535-000	1	075-29535-000	1

OPTIVIEW REMOTE CONTROL CENTER



02750-3A

FIG. 23 – OPTIVIEW REMOTE CONTROL CENTER
TABLE 25 – OPTIVIEW REMOTE CONTROL CENTER PARTS - 371-02750-101

ITEM NUMBER	QTY	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

REMOTE CURRENT/TEMPERATURE RESET PARTS BREAKDOWN

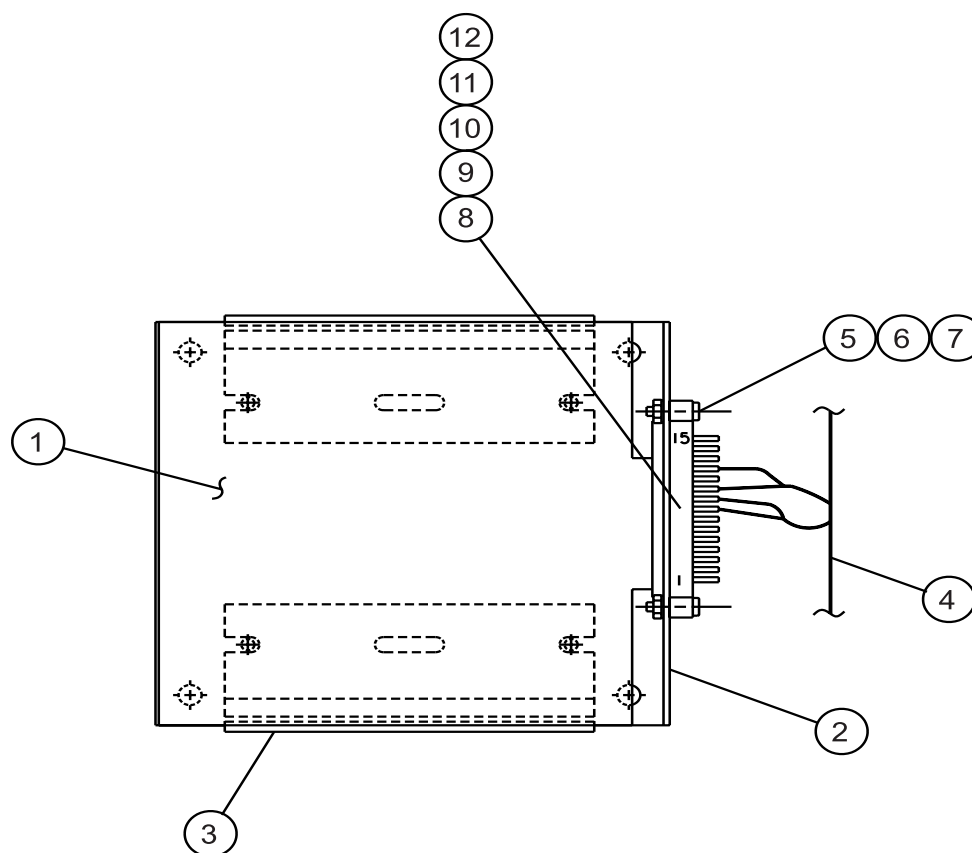


FIG. 24 – REMOTE CURRENT/TEMPERATURE RESET COMPONENTS

TABLE 26 – REMOTE CURRENT OR TEMPERATURE RESET KIT NUMBER 375-90914-000

ITEM NUMBER	QTY	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 #4-40UNC-2B	021-10056-000
7	2	LOCKWASHER, HELICAL SPRING #4 REG.	021-17576-000

* Refer to Table 25A

TABLE 26A – REMOTE RESET WIRING

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

RECOMMENDED SPARE PARTS

York Model YCAS Style G Air Cooled Screw Chillers
Suggested Spare Parts List for Critical Duty Applications

TABLE 27 – RECOMMENDED SPARE PARTS - YCAS0693-YCAS1263 CHILLERS

PAGE REF. & ITEM NUMBER	DESCRIPTION	MODEL NUMBER YCAS	PART NUMBER
Page 12, Item 1	Fan Motor (Standard)	-50	024-30900-001
Page 12, Item 1	Fan Motor (Low Noise)	-50	024-30933-001
Page 13, Item 1	Fan Motor (High Static)	-50	024-24604-001
Page 12, Item 2	Fan Blade (Standard)	All	026-41599-000
	Fan Blade (Low Noise)		026-41601-000
Page 13, Item 2	Fan Blade (High Static)	All	026-41602-000
Page 16 and 19, Item 1	Valve, Electronic Expansion	See Tables 4 and 5	025-37857-000
			025-37835-000
Page 16 and 19, Item 5	Core, Dehydrator	All	026-37540-000
Page 27, Item 25	Element, Oil Filter	All	026-35601-000
Page 27, Item 26	O-Ring 2 - 152	All	028-13849-000
Page 27, Item 31	Valve, Capacity Control	All	025-33205-000
Page 28, Item OIL	Oil, Compressor (Type 'L')	R-22	011-00592-000
		407-C	
Page 31, Item 1	Microboard	All	031-01095-002
Page 31, Item 16	EPROM	All	031-01798-002
Page 36-45, Item 1G	Motor Protector	All	024-30907-000
Page 57, Item 2B	Fan Contactor	380V-4155V	025-34300-000
Page 57, Item 2F	Fan Overload	6.3 Amp	024-33168-000
		9.0 Amp	024-33169-000
Page 63, Item 1	Sensor, Outside Air Temperature	All	025-28663-001
Page 63, Item 6	Transducer, Suction Pressure (0-200psi)	All	025-29583-000
Page 63, Item 7	Transducer, Discharge Pressure (0-400psi)	All	025-29139-001

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

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