



MILLENNIUM®
AIR-COOLED SCREW CHILLER
STYLE "F"

RENEWAL PARTS LIST

New Release

Form 201.18-RP15 (202)

**MODELS YCAS0098, 0118, 0128, 0138, 0148, 0158,
0178, 0198 and YCAS0208**



28971AR



ALLY

**60 HERTZ
R-407c
OPTIMIZED**



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

TABLE OF CONTENTS

	<u>PAGE</u>
UNIT NOMENCLATURE AND MODEL IDENTIFICATION	4
EVAPORATOR	
EVAPORATOR COMPONENTS	5
CONDENSER	
CONDENSER COIL COMPONENTS	6
FANS	
FAN COMPONENTS	8
PIPING	
REFRIGERANT AND OIL PIPING COMPONENTS	10
RELIEF VALVES AND HP CUTOUT SWITCH	14
COMPRESSOR	
COMPRESSOR MODEL NOMENCLATURE	16
COMPRESSOR PART NUMBERS	17
COMPRESSOR COMPONENTS	18
COMPRESSOR COMPONENTS / RELATED PARTS	19
COMPRESSOR AND CONTROL COMPONENTS	25
CONTROL PANEL / TRANSDUCERS / TEMP SENSORS	
CONTROL PANEL COMPONENTS	26
SENSOR HARNESS	29
TRANSDUCERS AND TEMP SENSORS	32
TRANSDUCER, TEMP SENSOR AND WIRE HARNESS CONNECTORS	34
POWER PANEL	
POWER PANEL - ACROSS THE LINE	36
POWER PANEL COMPONENTS - ACROSS THE LINE	37
POWER PANEL - WYE DELTA	44
POWER PANEL COMPONENTS - WYE DELTA	45
4 FAN CONTACTOR PANEL COMPONENTS	52
OPTION PANEL	
OPTION AND POWER PANEL CONFIGURATIONS	54
OPTION PANEL IDENTIFIERS	55
OPTION PANEL COMPONENTS	59

TABLE OF CONTENTS (CONT'D)

	<u>PAGE</u>
CHILLER OPTIONS	
YCAS CHILLER OPTIONS - KITS AND SPARE PARTS	66
ENCLOSURE KIT OPTIONS - FULL UNIT	67
WIRE ENCLOSURE TOP SECTION PARTS BREAKDOWN	68
WIRE ENCLOSURE BOTTOM SECTION PARTS BREAKDOWN	69
LOUVERED ENCLOSURE TOP SECTION PARTS BREAKDOWN	70
LOUVERED ENCLOSURE BOTTOM SECTION PARTS BREAKDOWN	71
REMOTE CURRENT/TEMPERATURE RESET WIRING KIT	72
CURRENT/TEMPERATURE RESET PARTS BREAKDOWN	74
REMOTE CONTROL CENTER	75
RECOMMENDED SPARE PARTS	76

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 AND MODEL IDENTIFICATION

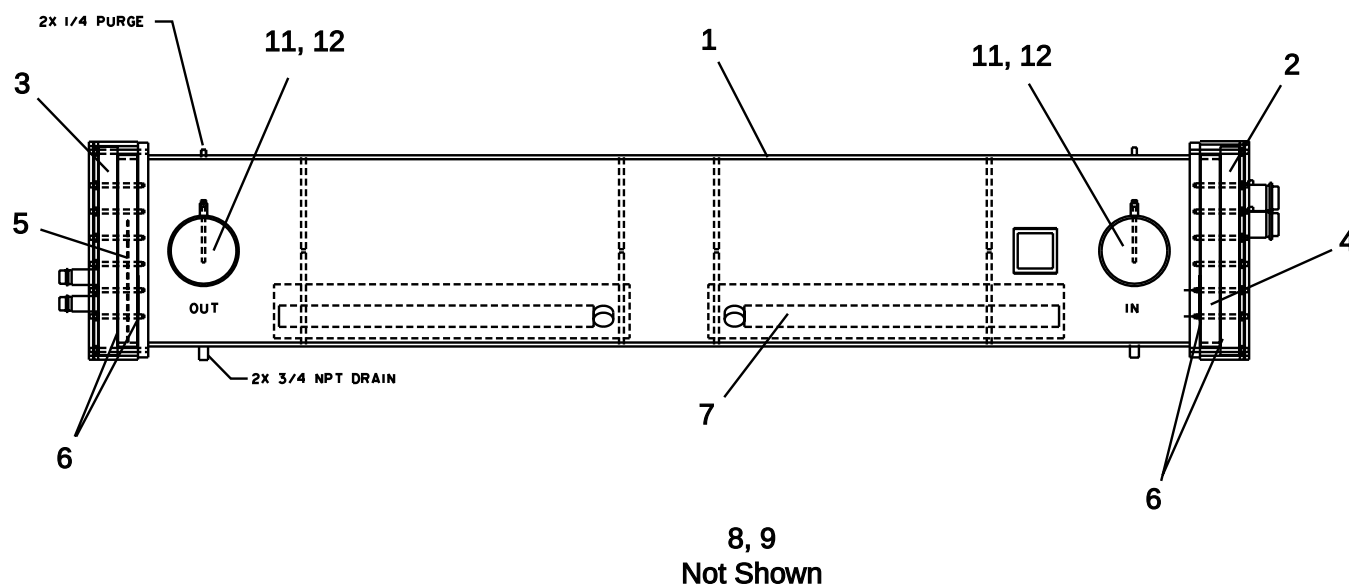
BASIC PART NUMBER

YCAS0148EB40YFA

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		#	#	#	#	E	B	1	7		F	A
: YORK				Tons				High Efficiency		:407-C			:Design Series F	
: Chiller				0098									:Engineering	
: Air Cooled				0118									Change	
S : Screw				0128									or PIN Level	
				0138										
				0148										
				0158										
				0178										
				0198										
				0208										
</														

EVAPORATOR COMPONENTS

Evaporator



35772-1

FIG. 1 – EVAPORATOR COMPONENTS

- 150# COOLER FLOW SWITCH 024-26116-000 (PIN 38 in Model No. is X; see page 4.)
- 300# COOLER FLOW SWITCH 024-12144-000 (PIN 38 in Model No. is 3; see page 4.)

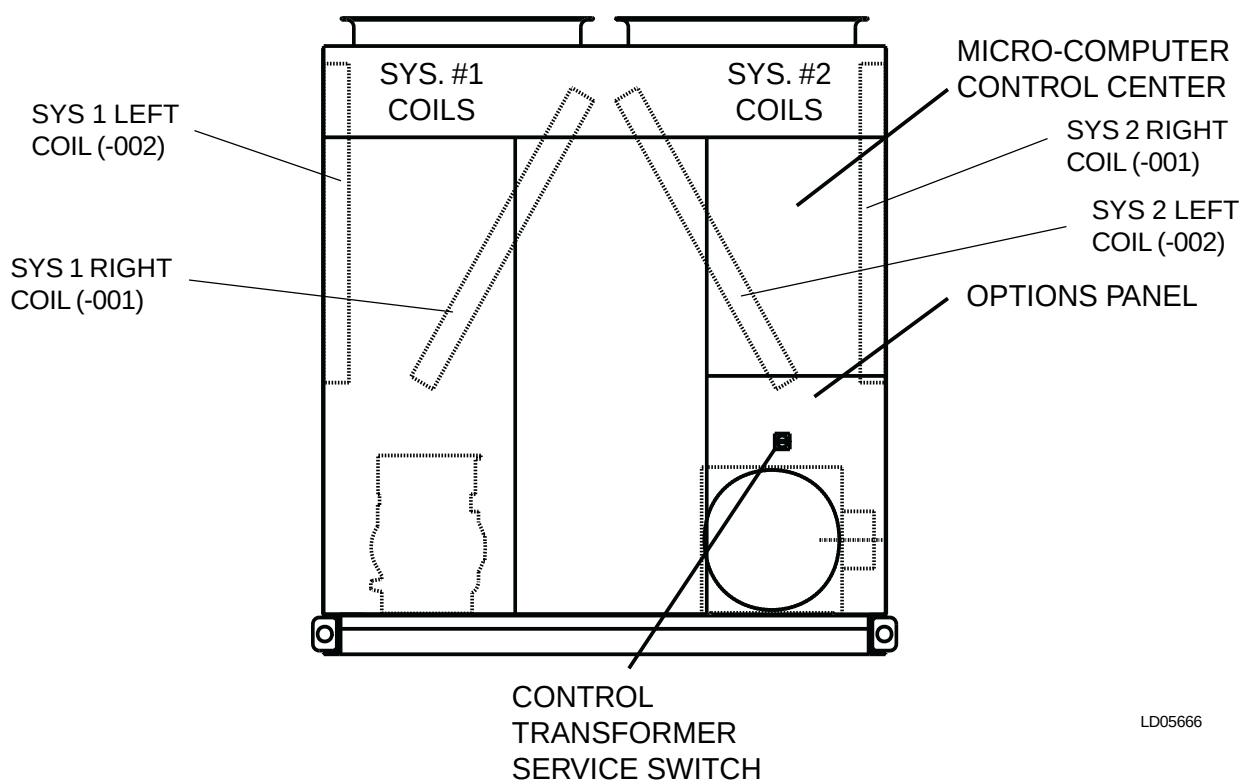
TABLE 1 – EVAPORATOR COMPONENTS

ITEM NUMBER	QTY. PER UNIT	DESCRIPTION	DWP	UNIT MODEL YCAS0098 THRU YCAS0138	UNIT MODEL YCAS0148 THRU YCAS0208
1	1	Cooler, less Heater & Insulation (Items 2 thru 6)	150	375-44237-000	375-44293-000
			300	--	--
2	1	Head, Connection End	ALL	375-44238-000	375-45112-000
3	1	Head, Back End	ALL	375-46959-000	375-45110-000
4	1	Baffle, Pass, Conn. End	ALL	375-46957-000	375-45101-000
5	1	Baffle, Pass, Back End	ALL	375-46955-000	075-45104-000
6 ^s	4	Gasket, Pass Baffle and Head	ALL	075-31785-000	075-45109-000
7 ^s	1	Heater, Cooler 180 Watt	ALL	025-22690-000	025-22691-000
	1	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000
8	3.25	Insulation (3/4" x 49" x 65")	ALL	010-05997-000	010-05997-000
9*	2.5	Insulation (1-1/2" x 49" x 65")	ALL	010-05998-000	010-05998-000
10	1	Adhesive, 1.75 oz. Btl. (Not Shown)	ALL	013-02293-000	013-02293-000
11	2	Connector, 6" Water	ALL	375-31771-000	375-30274-000
12	2	Well, Thermo CU 1/2" x 9-1/2"	ALL	026-32328-000	026-33627-000

^s = Recommended Spare Parts

* Use on 1 1/2 insulated coolers only.

CONDENSER COIL COMPONENTS



LD05666

END VIEW OF CHILLER FROM POWER PANEL END

FIG. 2 – CONDENSER COIL LAYOUT

TABLE 2 – CONDENSER COILS – YCAS STYLE F CHILLERS

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

		MODELS YCAS0098-0118 12' COIL	MODELS YCAS0128-0178 16' COIL	MODEL YCAS0198-0208 20' COIL
ITEM NUMBER	DESCRIPTION	YORK PART NO.	YORK PART NO.	YORK PART NO.
ALUMINUM FIN COIL				
1	Cond Coil Assembly, Right	375-27435-001	375-29501-001	375-25578-001
2	Cond Coil Assembly, Left	375-27435-002	375-29501-002	375-25578-002
BLACK FIN COIL				
1	Cond Coil Assembly, Right	375-23772-001	375-23770-001	375-23771-001
2	Cond Coil Assembly, Left	375-23772-002	375-23770-002	375-23771-002
PHENOLIC COATED ALUMINUM FIN				
1	Cond Coil Assembly, Right	375-29011-001	375-29010-001	375-29009-001
2	Cond Coil Assembly, Left	375-29011-002	375-29010-002	375-29009-002
COPPER FIN				
1	Cond Coil Assembly, Right	375-23778-001	375-23776-001	375-23777-001
2	Cond Coil Assembly, Left	375-23778-002	375-23776-002	375-23777-002
BLYGOLD COATING				
1	Cond Coil Assembly, Right	375-44801-001	375-44802-001	375-44803-001
2	Cond Coil Assembly, Left	375-44801-002	375-44802-002	375-44803-002

NOTES: Coil Assemblies are complete with headers.

Tube-In-Tube Repairs – contact Factory Service

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FAN COMPONENTS

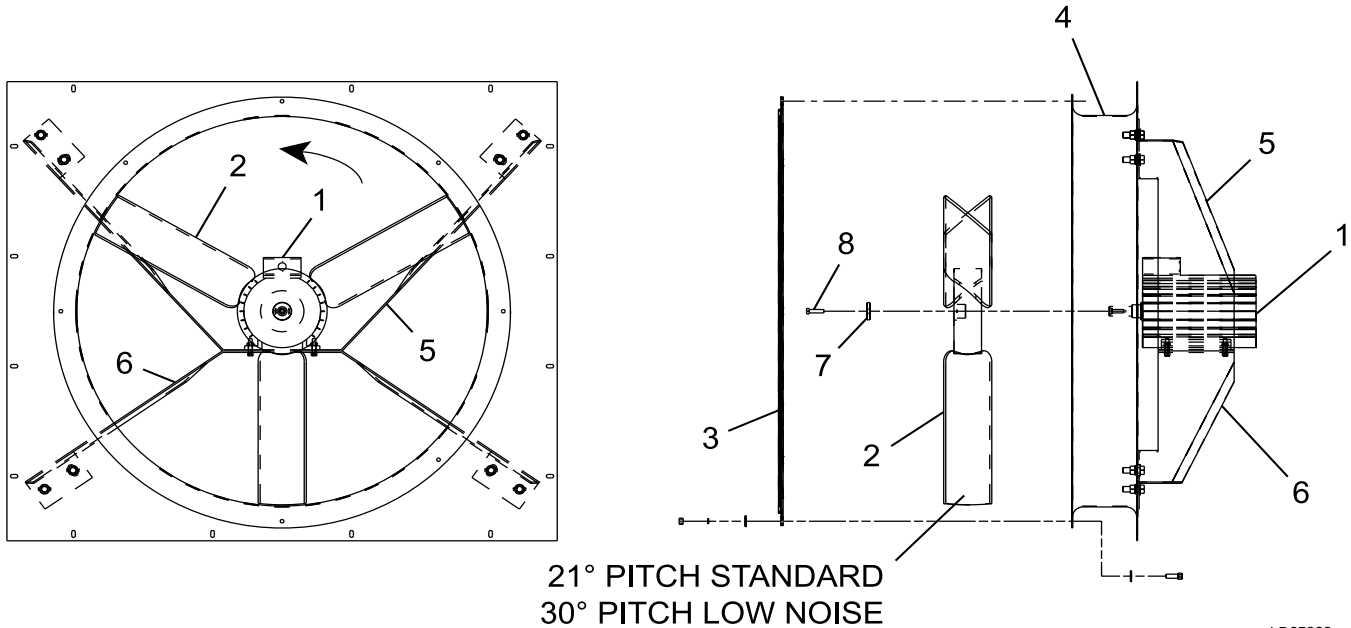


FIG. 3 – FAN COMPONENTS

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

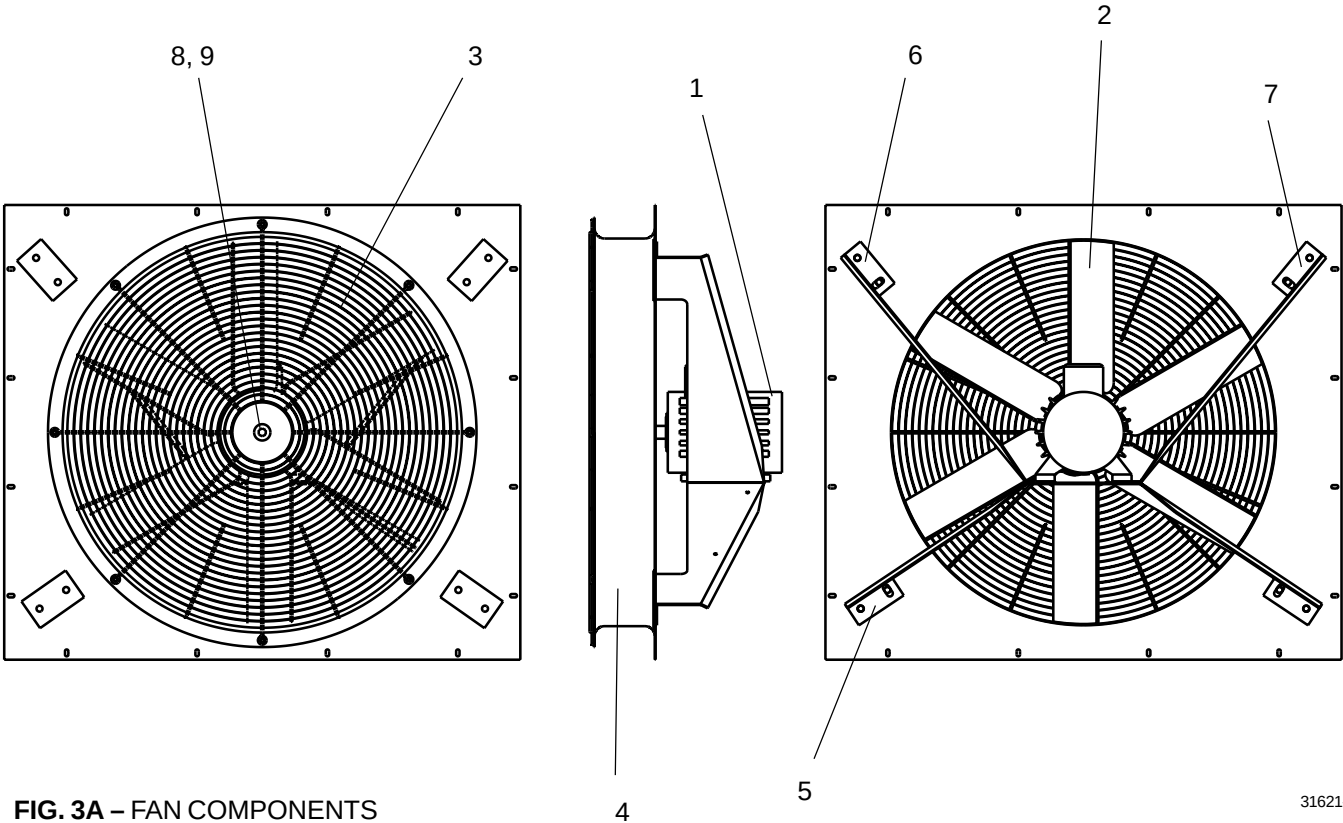
TABLE 3 – FAN COMPONENTS

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD 7/8" Ø SHAFT, 1160 RPM	LOW NOISE (OPTIONAL) 7/8" Ø SHAFT, 850 RPM
1 ^s	Motor 2 HP (Wt. = 50 LBS.)	-17	024-30900-002	024-30933-002
		-28	024-30900-002	024-30933-002
		-40	024-30900-004	024-30933-004
		-46	024-30900-001	024-30933-001
		-58	024-30900-003	024-30933-003
2 ^s	Blade	All	026-37577-000 21°	026-37579-000 30°
3	Guard	All	026-35605-000	
4	Orifice	All	026-35141-000	
5	Support, Motor, Upper	All	075-25584-000	
6	Support, Motor, Lower	All	075-25583-000	
7	Spacer, Fan Motor	All	075-29007-000	
8	Screw, Cap	All	021-18494-000	

^s= Recommended Spare Parts

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

FAN COMPONENTS (CONT'D)



Service Note: Pin Location 53 in Model Number will be “H” for High Static Fan. See page 4.

TABLE 3A – FAN COMPONENTS

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FANTYPE	
			HIGH STATIC 1 3/8" Ø SHAFT, 967 rpm	
1 ^s	Motor 5 hp (Wt. = 127 LBS.)	-17	024-24604-002	
		-28	024-24604-002	
		-40	024-24604-001	
		-46	024-24604-001	
		-58	024-24604-003	
2 ^s	Blade	All	026-37581-000	30°
3	Guard	All	026-35605-000	
4	Orifice	All	026-36141-000	
5	Support, Motor, Lower	All	075-31616-000	
6	Support, Motor, Right	All	075-31615-000	
7	Support, Motor, Left	All	075-31614-000	
8	Spacer, Fan Motor	All	075-29007-001	
9	Screw, Cap	All	021-18019-000	

^s= Recommended Spare Parts

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

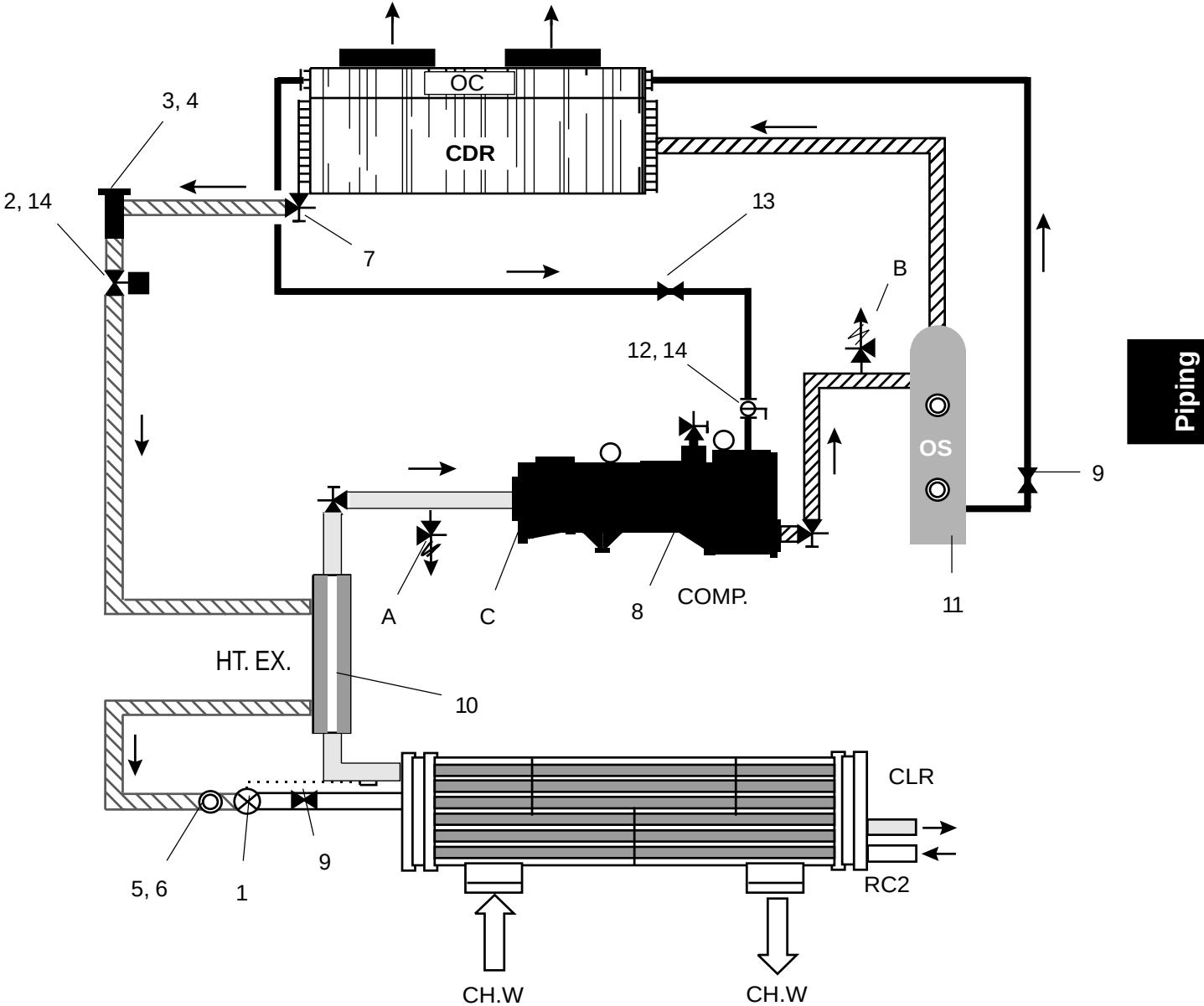
**TABLE 4 – REFRIGERANT PIPING COMPONENTS (SEE FIG. 4, PAGE 10)
AND OIL PIPING COMPONENTS (SEE FIG. 5, PAGE 11)**

ITEM NO.	QTY PER UNIT	DESCRIPTION	SYSTEM	YCAS0098	YCAS0118	YCAS0128	YCAS0138	YCAS0148	YCAS0158	YCAS0178	YCAS0198	YCAS0208
1 ^s	1	Valve, Thermal Exp.- Cooler	Both	025-34558-010	025-34558-010	025-34558-010	025-34560-010	025-34560-010	025-34560-010	025-34559-010	025-34559-010	025-34589-010
	1			025-34558-020	025-34558-020	025-34558-020	025-34560-020	025-34560-020	025-34560-020	025-34559-020	025-34559-020	025-34589-020
2	1	Valve, Solenoid, Liq. Line	1	025-33705	025-33705	025-33704	025-33704	025-33704	025-33704	025-33704	025-33281	025-33281
	1		1	025-33704	025-33704	025-33704	025-33704	025-33281	025-33704	025-33704	025-33281	025-33281
3	2	Dehydrator, Body (Replaceable Core)	Both	026-21055	026-21055	026-21055	026-21055	026-21055	026-21055	026-21055	026-21055	026-16960
4 ^s	4	Core, Dehydrator	Both	026-37540	026-37540	026-37540	026-37540	026-37540	026-37540	026-37540	026-37540	026-37540
5	2	Moisture Indicator, Body	Both	026-37544	026-37544	026-37545	026-37545	026-37545	026-37545	026-37545	026-37545	026-37546
6	2	Moisture Indicator, Sight Glass Cap Assembly	Both	026-37547	026-37547	026-34547	026-34547	026-34547	026-34547	026-34547	026-34547	026-34547
7	2	Valve, Liquid Stop	Both	022-09778	022-09778	022-09778	022-09778	022-09778	022-09778	022-09778	022-09778	022-09778
8	2	Compressor	Both	See page 17.								
9	4	Valve, Charging 3/8"	Both	All Models – 022-09754-000								
10	2	Heat Exchanger	2	026-36597	026-36597	026-36597	026-36597	026-36597	026-36597	026-36597	026-36597	026-36597
11	2 per circuit*	Oil Separator	Right Side	All Models - Right Side: 075-23738-002								
			Left Side	All Models - Left Side: 075-23738-001								
12	2	Valve, Ball, Oil Line	Both	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172	022-09172
13	2	Sensor, Oil Temp.	All	All Models: 025-30440-000								
14 ^s	1	Coil, Solenoid Fits Items 2 & 12	Both	Select Vendor To Suit: Sporlan – 025-35151-000; Alco – 025-35152-000								

* Each REFRIGERANT Circuit has a right and left separator as viewed from the control panel end of the chiller.
Be sure to order the correct number when replacing separators.

^s Recommended Spare Part

REFRIGERANT AND OIL PIPING COMPONENTS (CONT'D)
CHILLER MODEL YCAS – 407c



LD05281

A – LOW SIDE RELIEF
* B – HIGH SIDE RELIEF
C – HP CUTOUT SW } SEE TABLE 5, PAGE 14 FOR SAFETY COMPONENTS USED.

* Available on CE (European Manufactured) Units, or Units With Optional Chicago Relief Valves

FIG. 4 – REFRIGERANT PIPING LAYOUT (REF. TABLE 4, PAGE 10)

REFRIGERANT AND OIL PIPING COMPONENTS

CHILLER MODEL YCAS – 407c

Piping

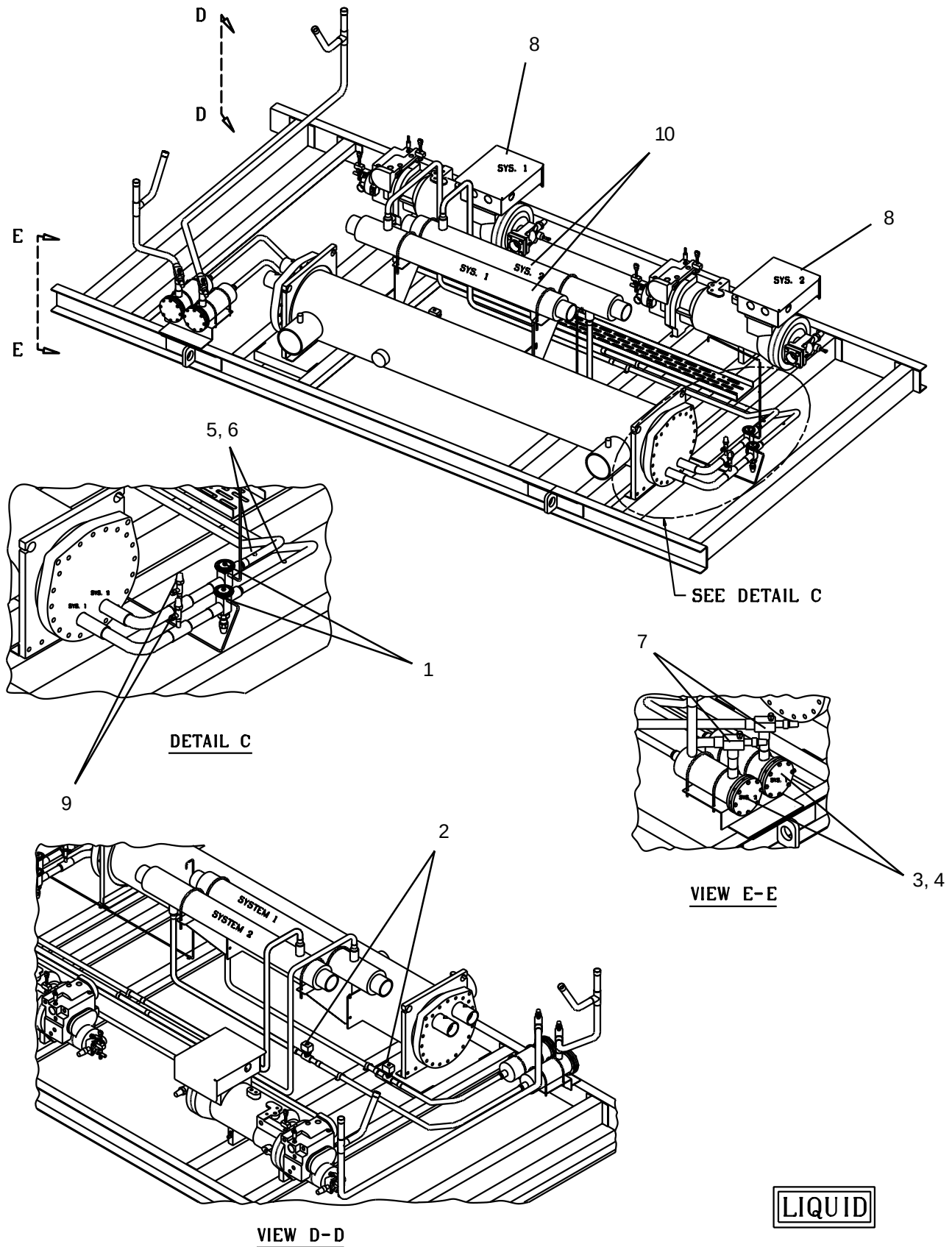


FIG. 5 – LIQUID PIPING COMPONENTS (REF. TABLE 4, PAGE 10)

REFRIGERANT AND OIL PIPING COMPONENTS
CHILLER MODEL YCAS – 407c

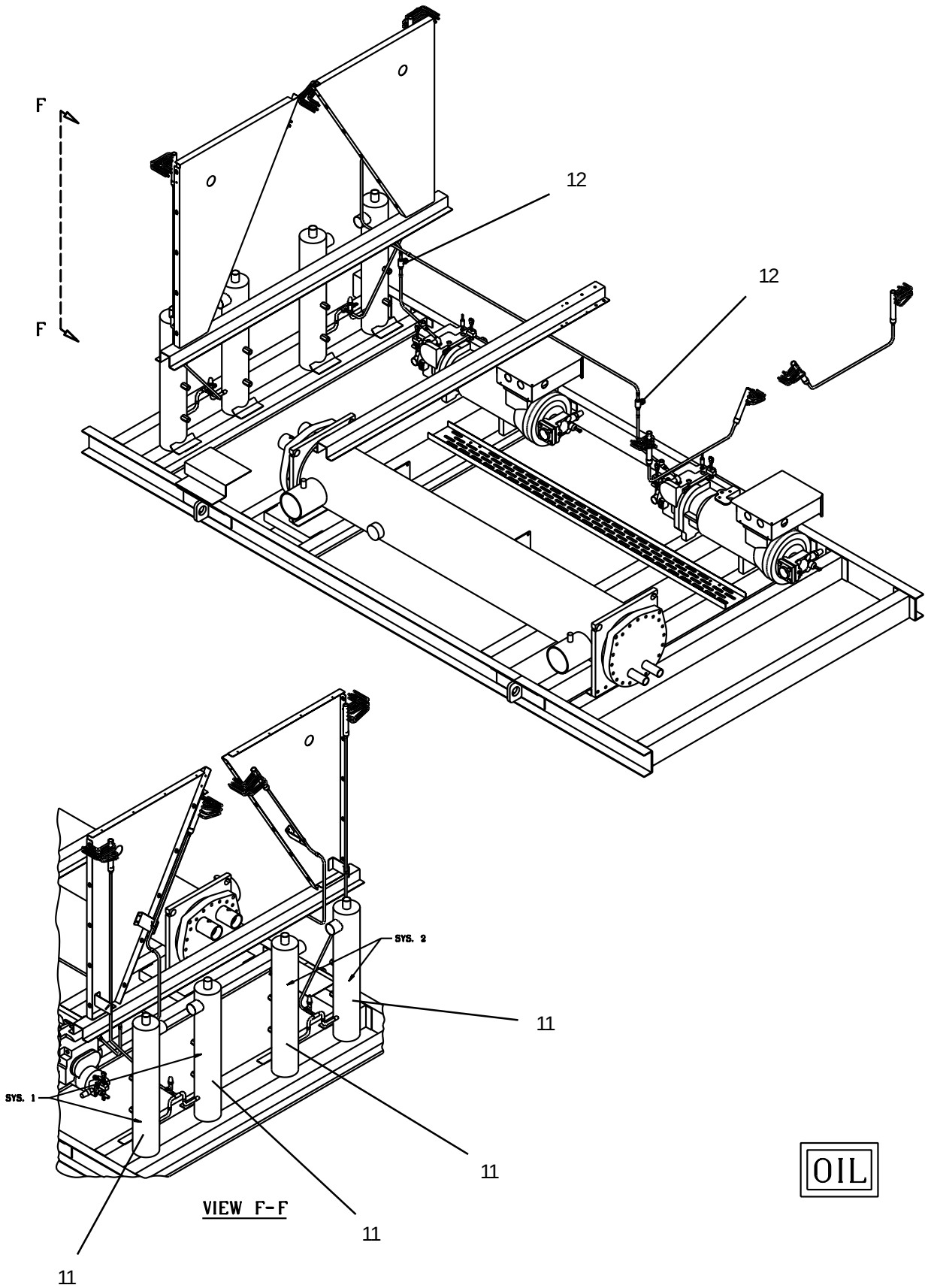
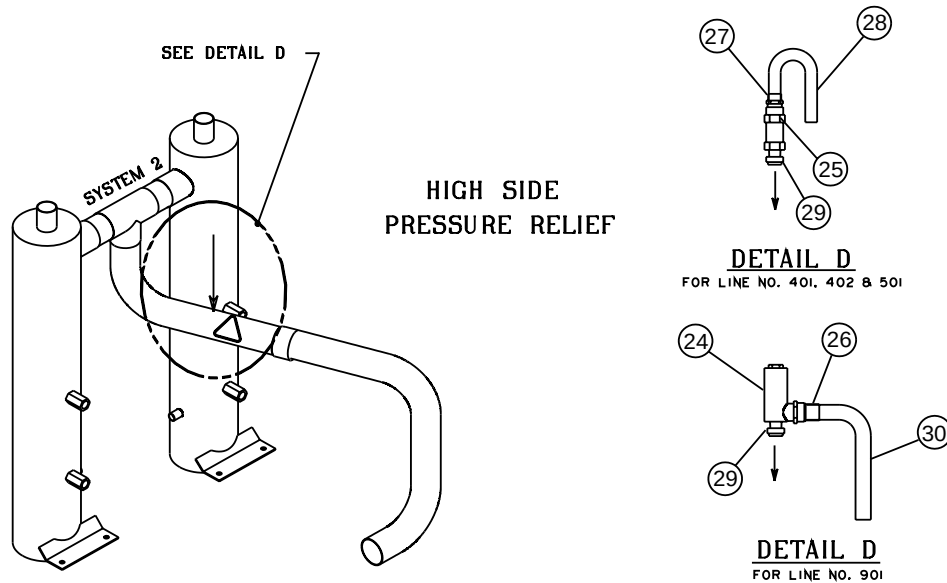


FIG. 5A – OIL PIPING COMPONENTS (REF. TABLE 4, PAGE 10)

RELIEF VALVES AND HP CUTOUT SWITCH



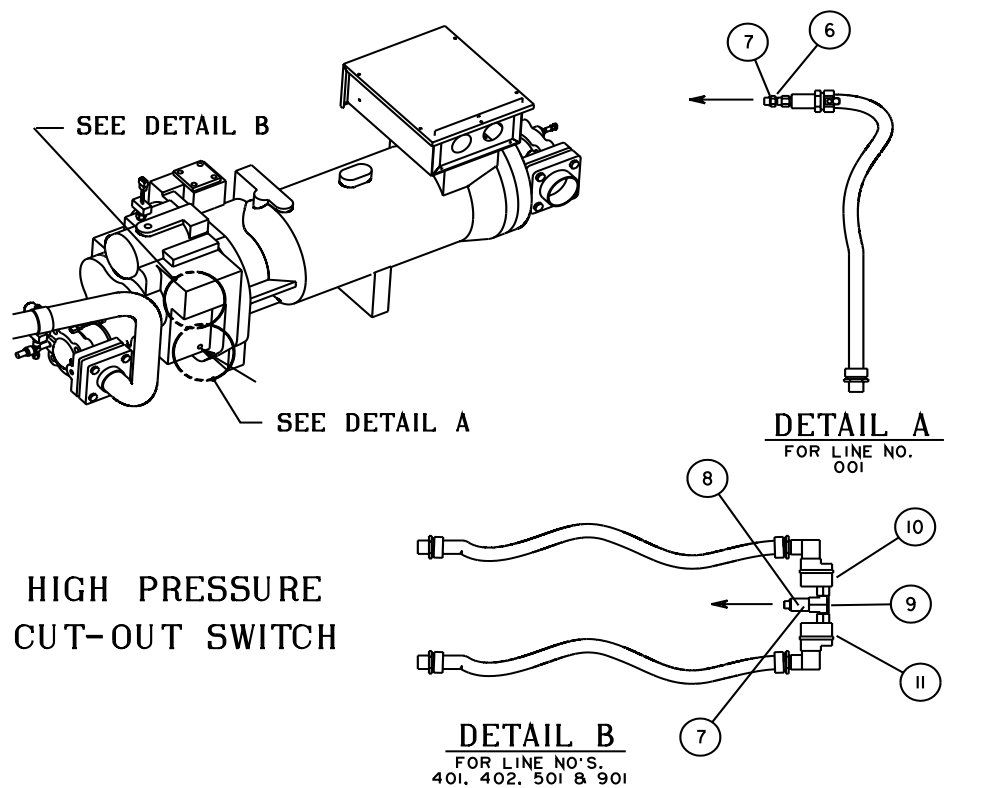
38583-1c

FIG. 6 – RELIEF VALVES AND HP CUTOUT SWITCH (REF. TABLE 5, PAGE 14)

TABLE 5 – RELIEF VALVES AND HP CUTOUT SWITCH
(SEE FIG. 6 AND 6A, PAGES 14 AND 15)

ITEM	QUANTITY /CHILLER	DESCRIPTION	APPLICATION	ALL MODELS
1	2	High Side Relief Valve, 405 PSIG	-901	022-08863-000
	2	High Side Relief Valve	-001 & -401	022-10045-000
	2	High Side Relief Valve	-501	022-09803-000
2	2	Tube for 022-08863-000	-901	075-30993-000
	2	Tube for 022-10045-000	-001 & -401	375-30919-000
	2	Tube for 022-09803-000	-501	075-31211-000
3	2	Adapter for 022-09803-000	-501	023-00124-000
4	2	Valve, Stop	-501	022-09802-000
5	2	Adapter for 022-08863-000	-901	075-31211-000
6	2	Adapter	-001	023-18087-000
7	2	O-Ring, 3-904	All	028-13540-000
8	2	Adapter	-401, -501 & -901	023-18092-000
9	2	Tee for 10/11	All	023-00972-000
10	2	HP Sw, Man Reset 27.9 Bar	All	025-34119-000
11	2	HP Sw, Man Reset 27.2 Bar	All	025-34120-000
24	2	High Side Relief Valve, Angle V 31 Bar	-901	022-09754-000
25	2	High Side Relief Valve, 405 PSIG	-401 & -501	022-08863-000
26	2	Adapter	-901	023-00094-000
27	2	Adapter	-401 & -501	023-00124-000
28	2	Tube	-901	075-30992-000
29	2	Button, Brass	All	075-28519-000
30	2	Tube	-401 & -501	075-30993-000

RELIEF VALVES AND HP CUTOUT SWITCH (CONT'D)



HIGH PRESSURE
CUT-OUT SWITCH

LINE NUMBER APPLICATIONS		
LINE NUMBER	APPLICATION	P.I.N. POS.42
-001	ASME	A
-401	FRENCH	F
-501	ITALIAN	I
-901	GERMAN	T

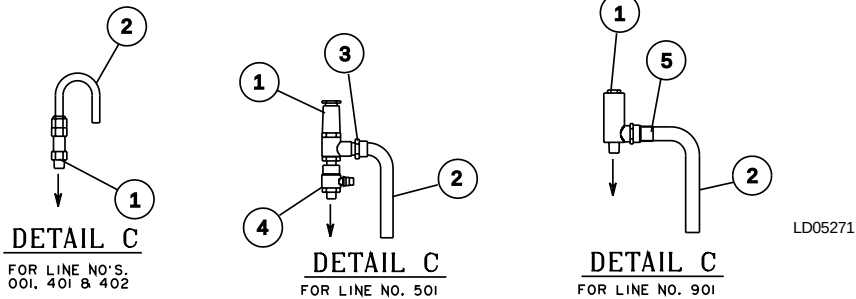
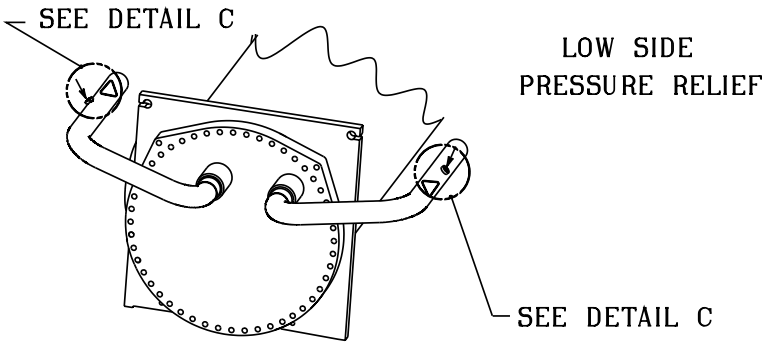
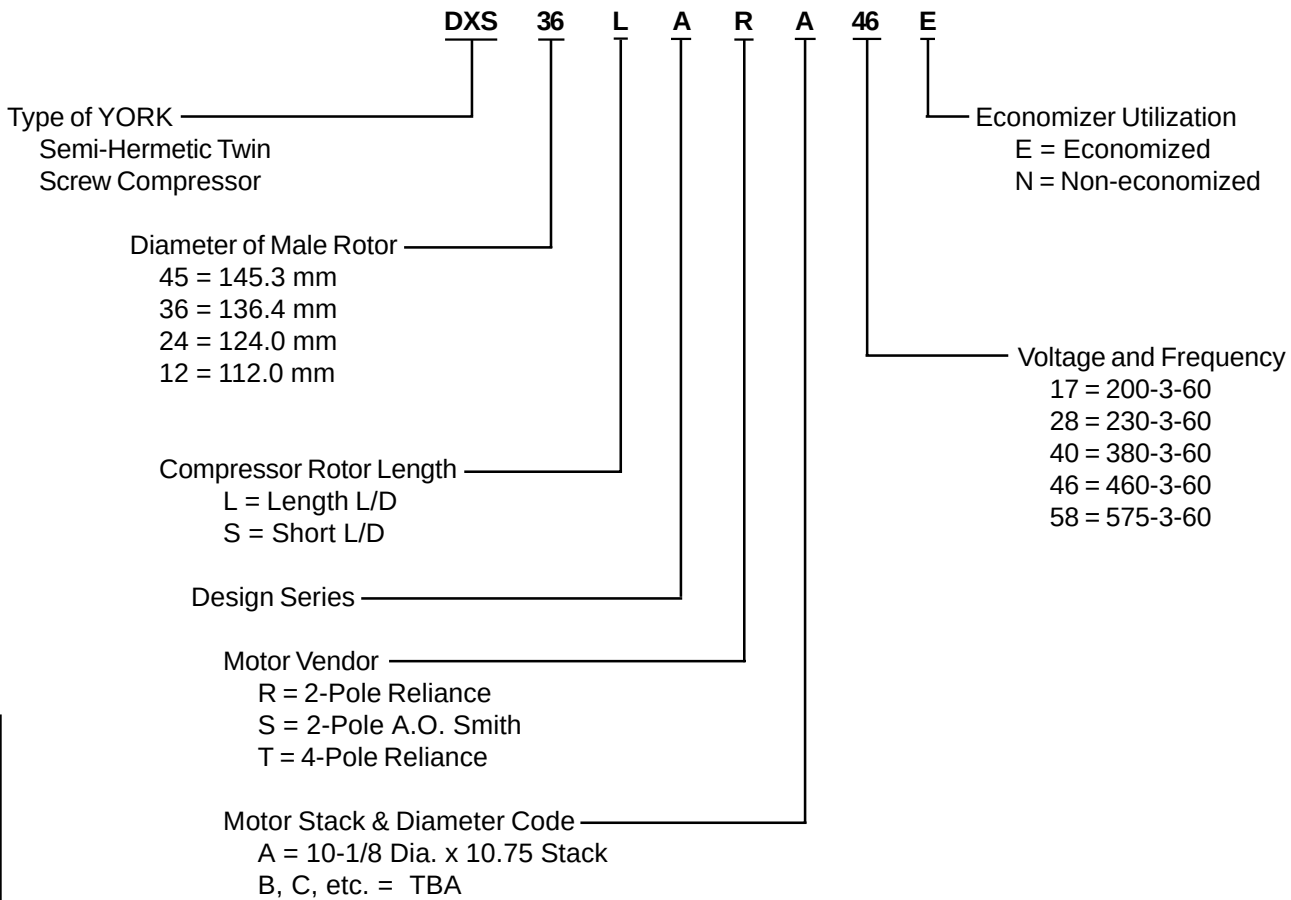


FIG. 6 (CONT'D) – RELIEF VALVES AND HP CUTOUT SWITCH (REF. TABLE 5, PAGE 14)

COMPRESSOR MODEL NOMENCLATURE



COMPRESSOR WEIGHTS		
MM SIZE	WEIGHT (LBS)*	Kg
145	1310	594
136	1250	567
124	1175	533
112	760	345

*LESS SERVICE VALVES

- Compressor Isolator Pad Kit
(Reduces sound and vibration)
475-37815-000 one kit per each compressor
(Became standard mid 2000)

Note: Compressor feet hold-down bolts, tightened from the underside of the frame rails, must be removed when the isolator pad kit is installed. These bolts should also be removed at start-up.

COMPRESSOR PART NUMBERS

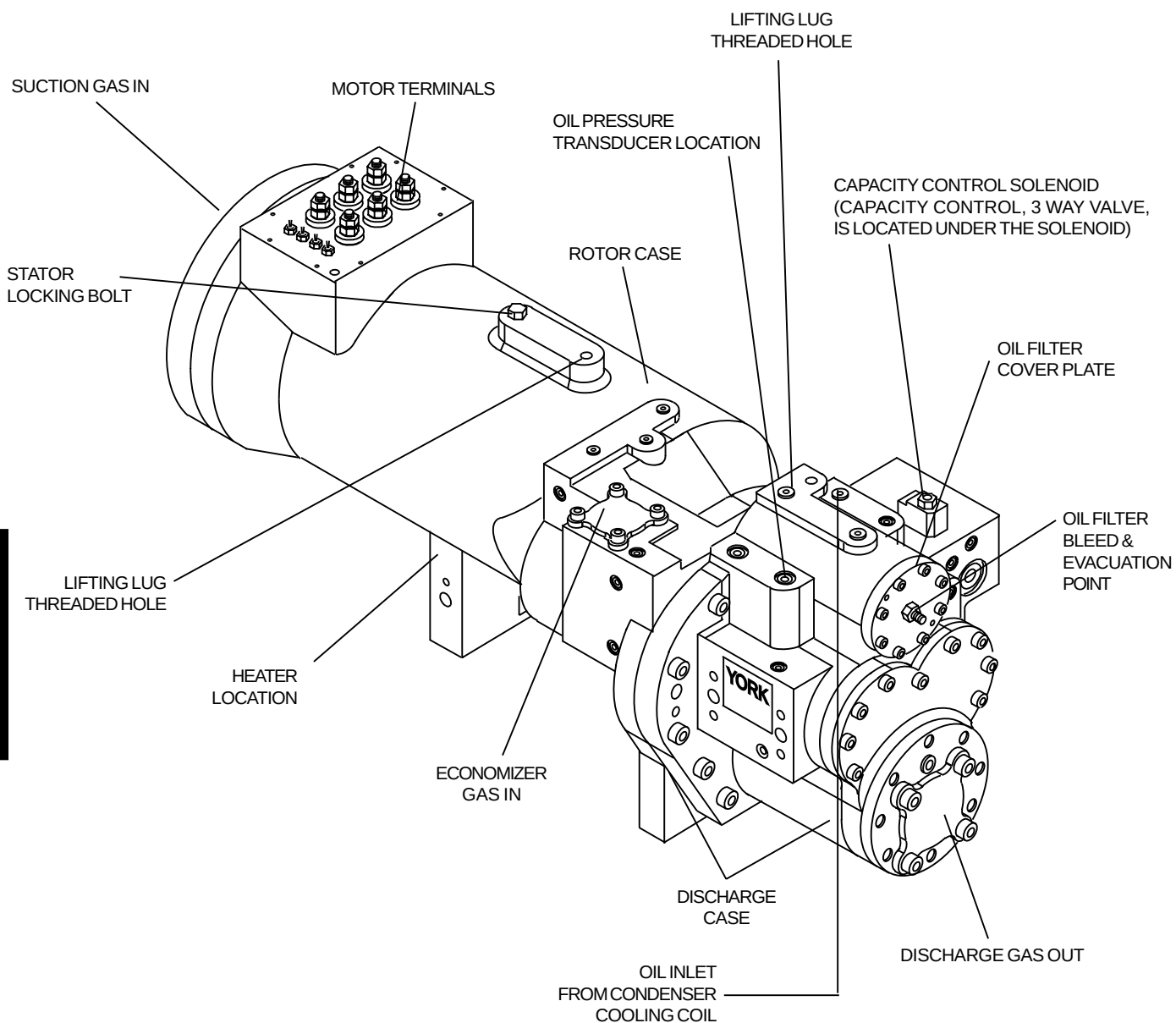
UNIT	VOLTAGE CODE	MM SIZE		COMPRESSOR	
		SYS 1	SYS 2	SYSTEM # 1	SYSTEM # 2
YCAS0098	-17	112	112	364-49096-212	364-49096-212
	-28	112	112	364-49096-213	364-49096-213
	-40	112	112	364-49096-214	364-49096-214
	-46	112	112	364-49096-215	364-49096-215
	-58	112	112	364-49096-216	364-49096-216
YCAS0118	-17	124	112	364-49095-212	364-49096-212
	-28	124	112	364-49095-213	364-49096-213
	-40	124	112	364-49095-214	364-49096-214
	-46	124	112	364-49095-215	364-49096-215
	-58	124	112	364-49095-216	364-49096-216
YCAS0128	-17	124	112	364-49095-212	364-49096-212
	-28	124	112	364-49095-213	364-49096-213
	-40	124	112	364-49095-214	364-49096-214
	-46	124	112	364-49095-215	364-49096-215
	-58	124	112	364-49095-216	364-49096-216
YCAS0138	-17	124	124	364-49095-212	364-49095-212
	-28	124	124	364-49095-213	364-49095-213
	-40	124	124	364-49095-214	364-49095-214
	-46	124	124	364-49095-215	364-49095-215
	-58	124	124	364-49095-216	364-49095-216
YCAS0148	-17	124	124	364-49095-212	364-49095-212
	-28	124	124	364-49095-213	364-49095-213
	-40	124	124	364-49095-214	364-49095-214
	-46	124	124	364-49095-215	364-49095-215
	-58	124	124	364-49095-216	364-49095-216
YCAS0158	-17	136	124	364-49093-212	364-49095-212
	-28	136	124	364-49093-213	364-49095-213
	-40	136	124	364-49093-214	364-49095-214
	-46	136	124	364-49093-215	364-49095-215
	-58	136	124	364-49093-216	364-49095-216
YCAS0178	-17	136	136	364-49093-212	364-49093-212
	-28	136	136	364-49093-213	364-49093-213
	-40	136	136	364-49093-214	364-49093-214
	-46	136	136	364-49093-215	364-49093-215
	-58	136	136	364-49093-216	364-49093-216
YCAS0198	-17	145	136	364-49094-212	364-49093-212
	-28	145	136	364-49094-213	364-49093-213
	-40	145	136	364-49094-214	364-49093-214
	-46	145	136	364-49094-215	364-49093-215
	-58	145	136	364-49094-216	364-49093-216
YCAS0208	-17	145	145	364-49094-212	364-49094-212
	-28	145	145	364-49094-213	364-49094-213
	-40	145	145	364-49094-214	364-49094-214
	-46	145	145	364-49094-215	364-49094-215
	-58	145	145	364-49094-216	364-49094-216

Compressor

Compressor Change Out Gasket Kit – ALL Models – 464-49737-000 (Includes gaskets and o-rings)

Note: The -200 series compressors replace both the -000 (Non-Economized) and -100 (Economized) series compressors.

COMPRESSOR COMPONENTS



LD03668

FIG. 7 – DXS COMPRESSOR OUTLINE

COMPRESSOR COMPONENTS / RELATED PARTS

TABLE 6 – COMPRESSOR ASSEMBLY (SEE FIG. 8, PAGE 20)

ITEM NO.	PART DESCRIPTION	PART NUMBER
1	SCREW, SOCKET HD. CAP - M16 x 65mm LG.	021-19108-000
14	O-RING 3 - 908	028-13856-000
17	PLUG - HOLLOW HEX 9/16"	023-18922-000
18	O-RING 3 - 906	028-13855-000
19	PLUG - 0.032 ORIFICE	029-22716-000
20	PLUG - 0.093 ORIFICE	029-22717-000
21	PLUG, HOLLOW HEX - 3/4"	023-18923-000
22	O-RING 2 - 015	028-13858-000
23	VALVE, INTERNAL PRESSURE RELIEF	022-09711-000
25	PLUG - HOLLOW HEX 7/16"	023-18921-000
26	O-RING 3 - 904	028-13854-000
110	O-RING 2 - 138	028-13963-000
111	PLATE, VALVE COVER	064-50003-000
112	SCREW, SOCKET HD. CAP - M12 x 35mm LG.	021-30148-000
113	O-RING 2 - 278	028-13853-000
114	BEARING, FEMALE INLET	029-22704-000
115	RETAINING RING, FEMALE ROTOR	029-22721-000
116	ROTOR, FEMALE (112MM)	064-48978-000
	ROTOR, FEMALE (124MM)	064-48976-000
	ROTOR, FEMALE (136MM)	064-48971-000
	ROTOR, FEMALE (145MM)	064-48974-000
117	SPRING, CAPACITY CONTROL	028-00738-000
118	PISTON, CAPACITY CONTROL	064-49128-000
119	BEARING, MALE INLET	029-22702-000
120	RETAINING RING, MALE ROTOR	029-22720-000
121	KEY, MOUNTING	029-22701-000
122	ROTOR, MALE (112MM)	064-48977-000
	ROTOR, MALE (124MM)	064-48975-000
	ROTOR, MALE (136MM)	064-48972-000
	ROTOR, MALE (145MM)	064-48973-000
123	CASE, ROTOR/MOTOR (112MM)	064-49122-000
	CASE, ROTOR/MOTOR (124MM)	064-48989-000
	CASE, ROTOR/MOTOR (136MM)	064-48988-000
	CASE, ROTOR/MOTOR (145MM)	064-49120-000

Compressor
TABLE 6A – OIL FILTER (SEE FIG. 10, PAGE 22)

ITEM NO.	QTY PER COMP	DESCRIPTION	MODEL YCAS0098 - YCAS0208
34^S	1	FILTER,OIL	026-35601-000
35^S	1	O-RING	028-13849-000
OIL^S	5 GAL	OIL, TYPE L POE	011-00592-000

^SRecommended Spare Part

COMPRESSOR COMPONENTS / RELATED PARTS (CONT'D)

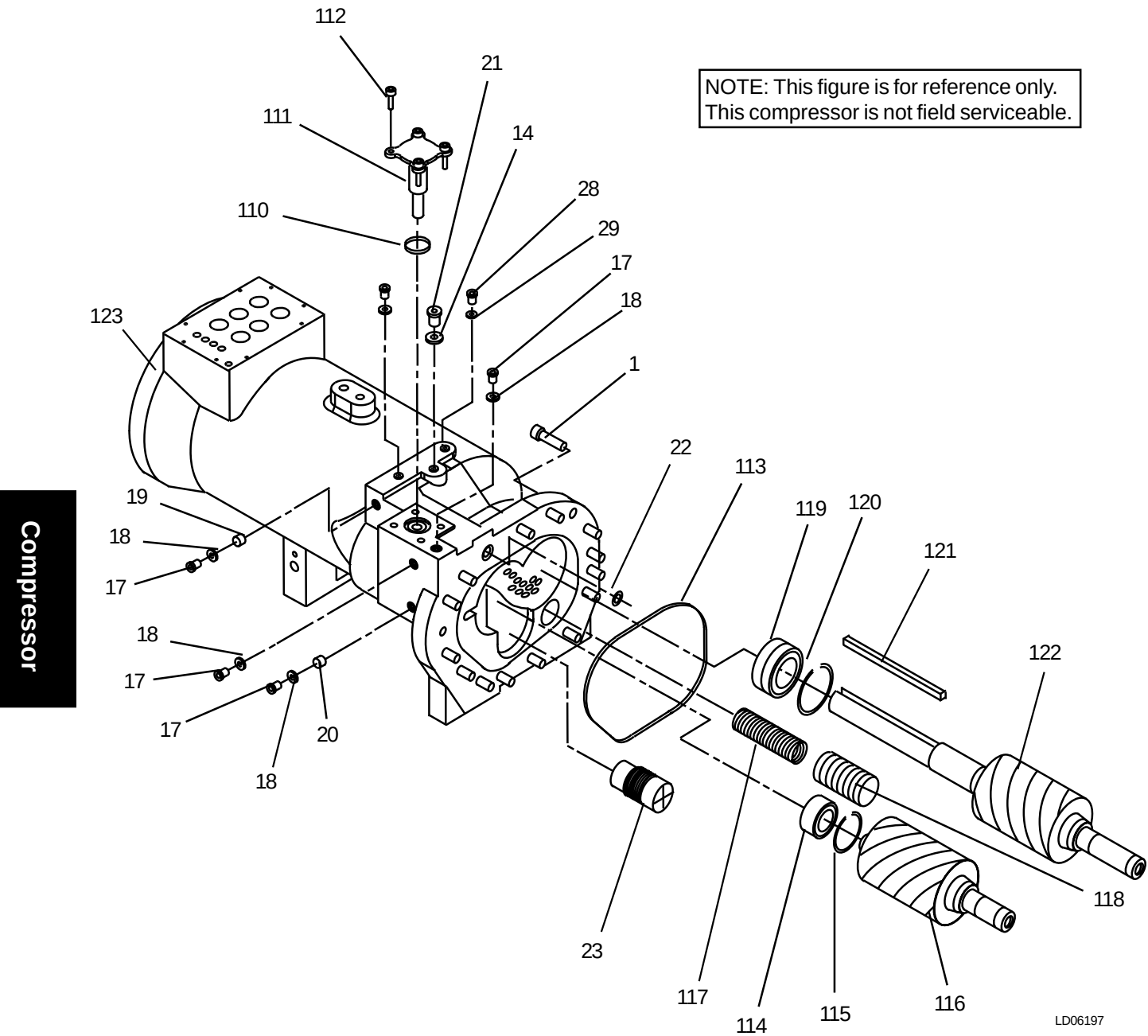
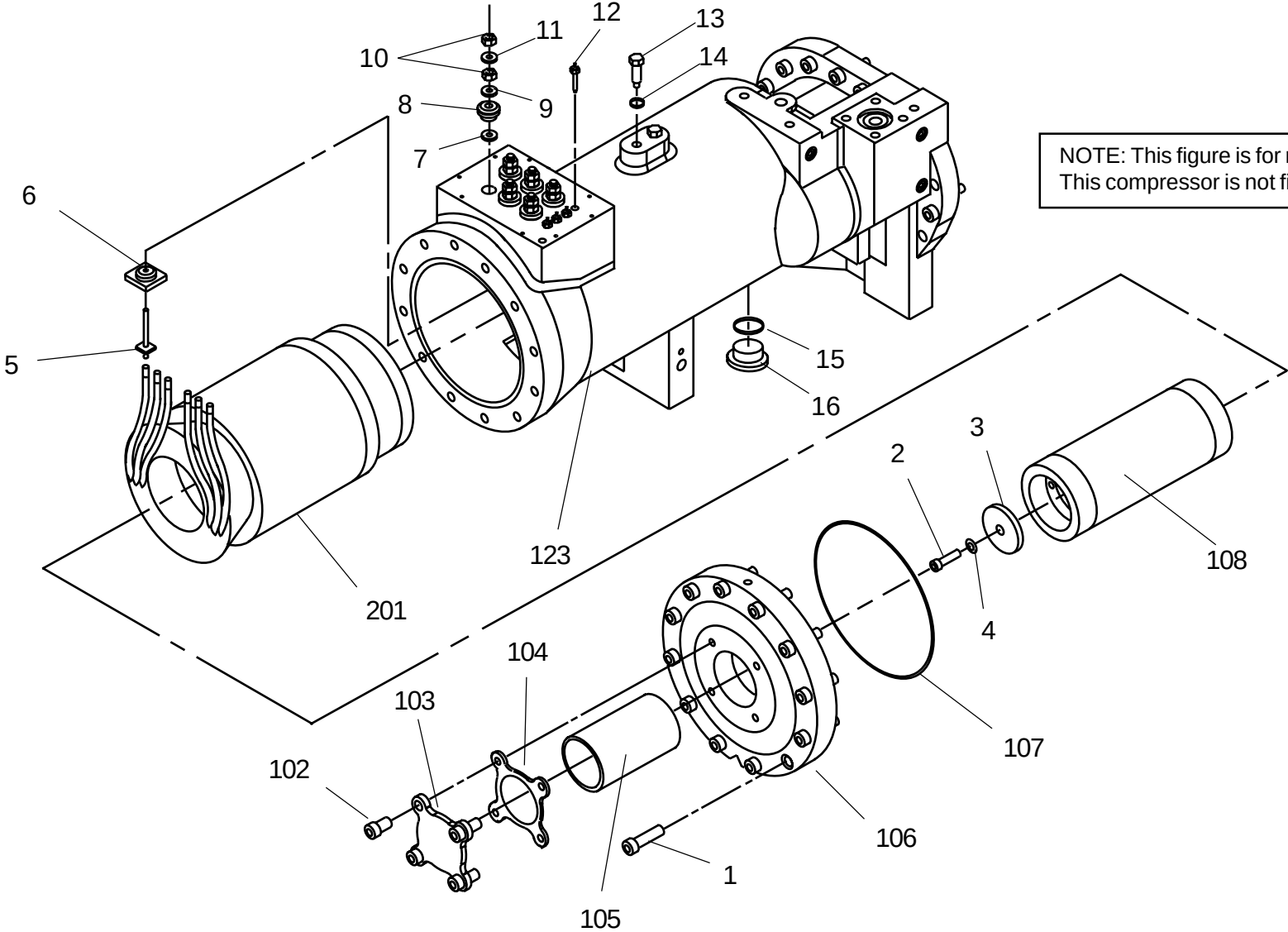


FIG. 8 – DXS COMPRESSOR PARTIAL EXPLODED VIEW (REF. TABLE 6, PAGE 19)

DXS COMPRESSOR COMPONENTS / RELATED PARTS - CONT'D

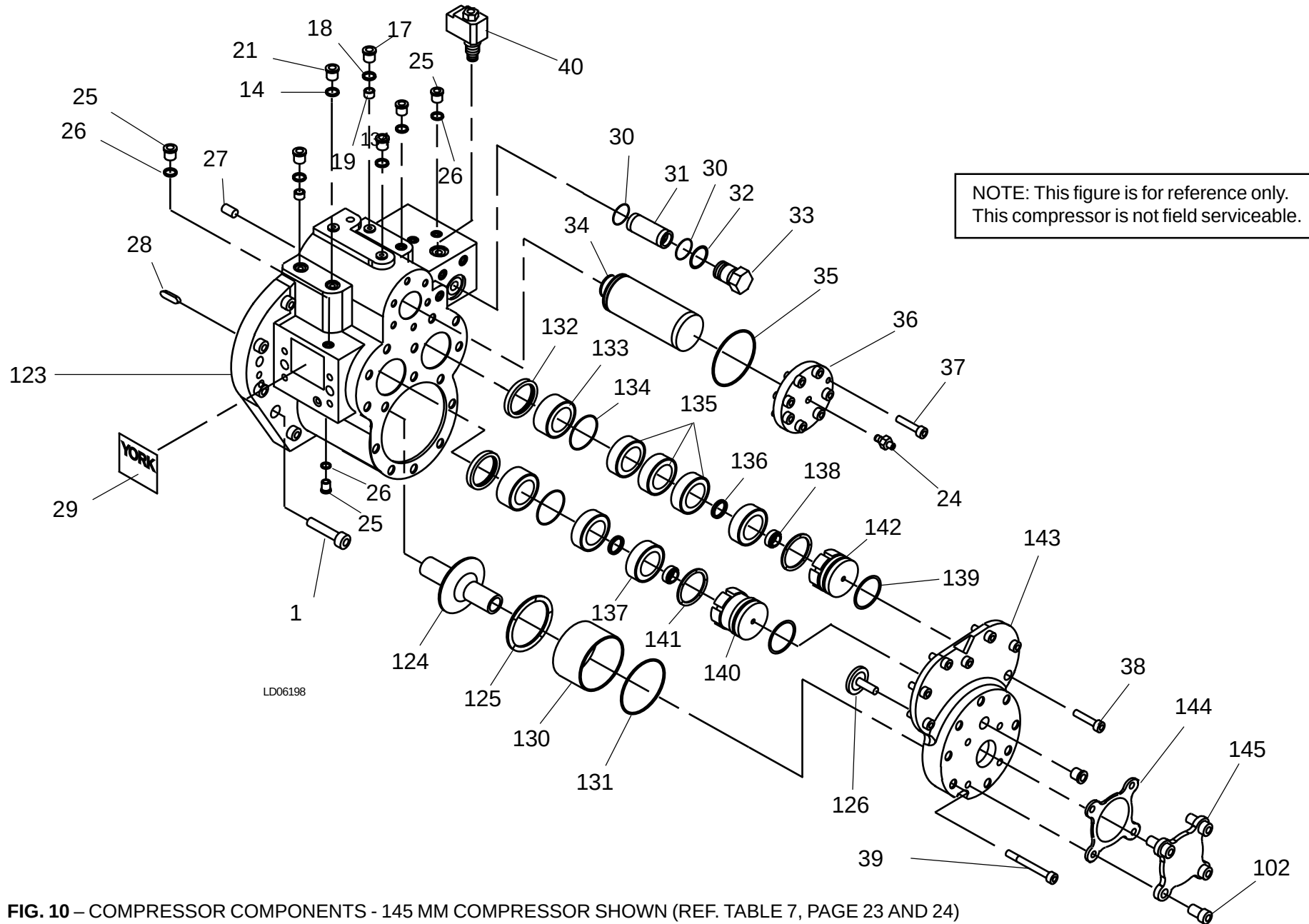


NOTE: This figure is for reference only.
This compressor is not field serviceable.

LD06199

FIG. 9 – COMPRESSOR COMPONENTS - 145 MM COMPRESSOR SHOWN (REF. TABLE 7, PAGE 23 AND 24)

DXS COMPRESSOR COMPONENTS / RELATED PARTS - CONT'D



DXS COMPRESSOR COMPONENTS / RELATED PARTS (CONT'D)

TABLE 7 – COMPRESSOR ASSEMBLY (SEE FIGS. 9 AND 10, PAGES 21 AND 22)

ITEM NO.	PART DESCRIPTION	PART NUMBER
1	SCREW, SOCKET HD. CAP - M16 x 65mm LG.	021-19108-000
2	SCREW, SOCKET HD. CAP - M12 x 45mm LG.	021-19116-000
3	WASHER, LOCK - M12	021-19106-000
4	WASHER, CLAMP	064-48893-000
5	BOLT, TERMINAL	021-19104-000
6	INSULATOR, BOTTOM	025-33200-000
7	SEAL, TERMINAL	028-13946-000
8	INSULATOR, TOP	025-33201-000
9	WASHER, TERMINAL	021-19117-000
10	NUT, HEAVY HEX - 7/16" - 20UNF	021-19102-000
11	WASHER, LOCK - 7/16"	021-19619-000
12	THERMISTOR, 7/16" - 20UNF - 2A	025-33202-000
13	PIN, STATOR LOCKING	064-49954-000
14	O-RING 3 - 908	028-13856-000
15	PLUG, HOLLOW HEX - 1 7/8"	023-18926-000
16	O-RING 3 - 924	028-13865-000
22	O-RING 2 - 015	028-13858-000
23	VALVE, INTERNAL PRESSURE RELIEF	022-09711-000
24	VALVE, ACCESS 7/16"	022-09715-000
25	PLUG, HOLLOW HEX - 7/16"	023-18921-000
26	O-RING 3 - 904	028-13854-000
27	PIN, DOWEL - 12mm x 40mm LG.	029-22713-000
28	PIN, DOWEL - 12mm x 40mm LG. SPEC.	029-22712-000
29	PLATE, DATA	029-22722-000
30	O-RING 2 - 023	028-13859-000
31	VALVE, OIL CONTROL	022-09710-000
32	O-RING 3 - 916	028-13857-000
33	PLUG, OIL RETURN VALVE	064-49135-000
34	ELEMENT, OIL FILTER	026-35601-000
35	O-RING 2 - 152	028-13849-000
36	COVER, OIL FILTER	064-49003-000
37	SCREW, SOCKET HD. CAP - M8 x 30mm LG.	021-19115-000
38	SCREW, SOCKET HD. CAP - M10 x 45mm LG.	021-19112-000
39	SCREW, SOCKET HD. CAP - M10 x 60mm LG.	021-19113-000
40	VALVE, CAPACITY CONTROL	025-33205-000
102	SCREW, SOCKET HD. CAP - M16 x 30mm LG.	021-19118-000
103	PLATE, VALVE COVER	064-49009-000
104	GASKET, 3 1/2"	028-13864-000
105	STRAINER, SUCTION	026-35600-000
106	COVER, SUCTION	064-49198-000
107	O-RING 2 - 276	028-13852-000

DXS COMPRESSOR COMPONENTS / RELATED PARTS (CONT'D)

TABLE 7 (CONT'D) – COMPRESSOR ASSEMBLY (SEE FIGS. 9 AND 10, PAGES 21 AND 22)

ITEM NO.	PART DESCRIPTION	PART NUMBER
108	MOTOR, ROTOR	024-30470-000
109	CASE, ROTOR/MOTOR	064-49120-000
116	ROTOR, FEMALE (112MM)	064-48978-000
	ROTOR, FEMALE (124MM)	064-48976-000
	ROTOR, FEMALE (136MM)	064-48971-000
	ROTOR, FEMALE (145MM)	064-48974-000
117	SPRING, CAPACITY CONTROL	028-00738-000
118	PISTON, CAPACITY CONTROL	064-49128-000
119	BEARING, MALE INLET	029-22702-000
120	RETAINING RING, MALE ROTOR	029-22720-000
121	KEY, MOUNTING	029-22701-000
122	ROTOR, MALE (112MM)	064-48977-000
	ROTOR, MALE (124MM)	064-48975-000
	ROTOR, MALE (136MM)	064-48972-000
	ROTOR, MALE (145MM)	064-48973-000
123	CASE, ROTOR/MOTOR (112MM)	064-49122-000
	CASE, ROTOR/MOTOR (124MM)	064-48989-000
	CASE, ROTOR/MOTOR (136MM)	064-48989-000
	CASE, ROTOR/MOTOR (145MM)	064-49097-000
124	ORIFICE, MUFFLER	064-49516-000
125	SPRING, MUFFLER PRELOAD	029-22904-000
126	BUTTON, CHECK VALVE	064-49504-000
130	SPACER, MUFFLER	064-49513-000
131	O-RING 2 - 161	028-13851-000
132	SEAL, LIP	028-13860-000
133	BEARING, RADIAL	029-22723-000
134	SHIM, SPACER	029-22992-000
135	BEARING, THRUST	029-22724-000
136	SHIM, REVERSE THRUST SPACER	029-22719-000
137	BEARING, REVERSE THRUST	029-22707-000
138	NUT, BEARING CLAMP	021-19120-000
139	O-RING 2 - 154	028-13867-000
140	SLEEVE, FEMALE ROTOR BEARING SPACER	064-49130-000
141	SPRING, BEARING PRELOAD	029-22708-000
142	SLEEVE, MALE ROTOR BEARING SPACER	064-49131-000
143	COVER, DISCHARGE	064-49005-000
144	GASKET, 3"	028-13863-000
145	PLATE, VALVE COVER	064-49008-000
201	MOTOR, STATOR -17	024-30911-002
	MOTOR, STATOR -28	024-30911-003
	MOTOR, STATOR -40	024-30911-004
	MOTOR, STATOR -46	024-30911-005
	MOTOR, STATOR -58	024-30911-006

COMPRESSOR AND CONTROL COMPONENTS

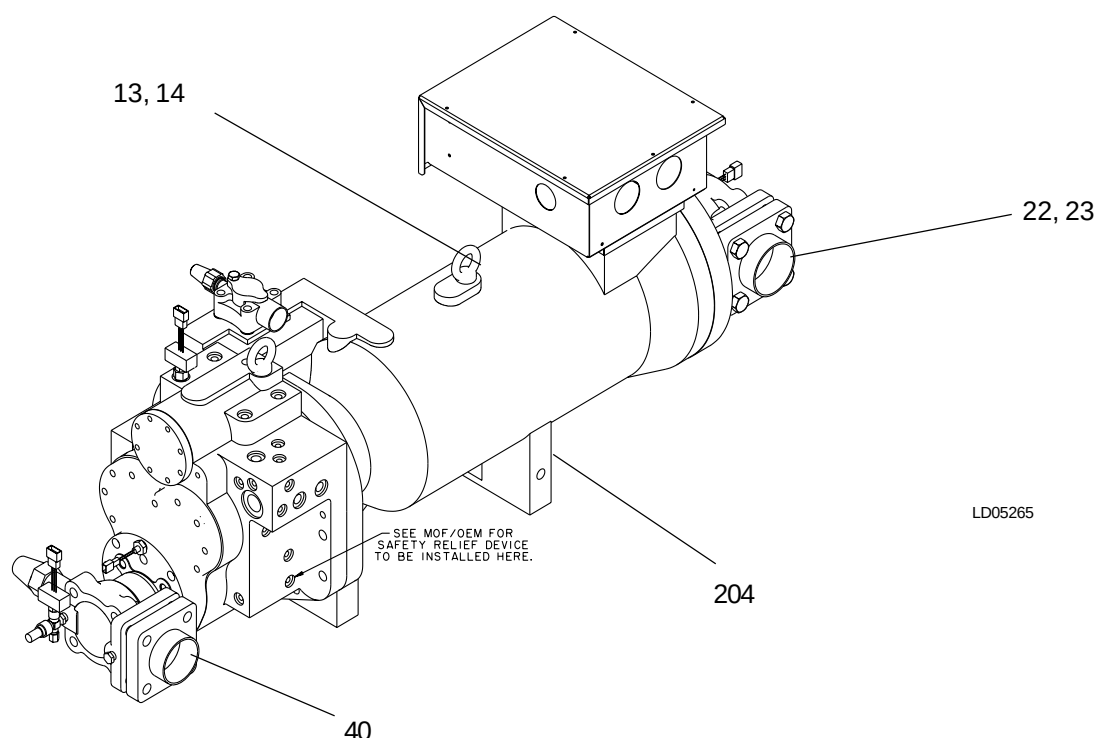
TABLE 8 – COMPRESSOR AND CONTROL COMPONENTS (SEE FIG. 11)

ITEM NUMBER	QUANTITY	SYSTEM	DESCRIPTION	VOLTAGE CODE	PART NUMBER
13	2	1 and 2	Lock Pin, Stator, EC 1099	ALL	064-49129-000
14	2	1 and 2	O-ring, Lock Pin	ALL	028-13856-000
40 ^s	2	1 and 2	Valve, Capacity Control	ALL	025-33205-000
204	1	1 and 2	Heater, Compressor (145MM)	120V	025-32938-000
			Heater, Compressor (136MM)	120V	025-32938-000
			Heater, Compressor (124MM)	120V	025-32938-000
			Heater, Compressor (112MM)	120V	025-34511-000

^s Recommended Spare Part

TABLE 9 – COMPRESSOR STOP VALVES AND GASKETS

COMPRESSOR	LOCATION	DESCRIPTION	VALVE (ITEM #22)	GASKET (ITEM #23)
112mm	Suct.	Stop Valve - 2 5/8	022-09777-001	028-13973-000
	Disc.	Stop Valve - 2 1/8	022-03727-003	028-13972-000
	Econ.	N/A	N/A	N/A
124mm	Suct.	Stop Valve - 2 5/8	022-09777-001	028-13863-000
	Disc.	Stop Valve - 2 1/8	022-01393-001	028-13902-000
	Econ.	Stop Valve - 1 3/8	022-03727-002	028-13862-000
136mm	Suct.	Stop Valve - 3 5/8	022-02845-001	028-13864-000
	Disc.	Stop Valve - 2 5/8	022-09777-001	028-13863-000
	Econ.	Stop Valve - 1 3/8	022-03727-002	028-13862-000
145mm	Suct.	Stop Valve - 3 5/8	022-02845-001	028-13864-000
	Disc.	Stop Valve - 2 5/8	022-09777-001	028-13863-000
	Econ.	Stop Valve - 1 3/8	022-03727-002	028-13862-000


FIG. 11 – COMPRESSOR AND CONTROL COMPONENTS (REF. TABLES 8 AND 9)

CONTROL PANEL COMPONENTS

TABLE 10 – CONTROL PANEL COMPONENTS (SEE FIGS. 14 AND 15, PAGES 27 AND 28)

ITEM NO.	QUANTITY	DESCRIPTION	PART NO.	NOTE
1	1	Door For Micro-Compartment	RAM-201704	2-Piece Bolted Control/Option Panel
	1	Door for Options Compartment	RAM-201733	
1	1	Door For Micro-Compartment	071-03616-000	1-Piece Control/Option Panel
	1	Door For Options Compartment	071-03617-000	
2 ^s	1	MicroBoard	031-01095-002	115V / 24V
3 ^s	1	Power Supply Board	031-01094-000	
4 ^s	2	Relay Circuit Board	031-01093-000	
5	1	Transformer, Control 2T	025-27911-000	
6	1	Kit, Terminal Block	025-33760-000	
7	1	Kit, Terminal Block	025-33761-000	
8	2	Catch, Magnetic (Not Shown)	029-20878-000	
9	22	Screw, Tap Thread	021-13789-000	
10	1	Tag, Identification	035-15183-000	
11	28	Nut, Expansion	021-14661-000	
12	28	Screw, Tap Thread	021-14667-000	
13	4	Lockwasher, TH Int 3/8	021-01155-000	
14	4	Nut, Hex 3/8-16 UNC-2B	021-00467-000	
15	3	Circuit Breaker, 6A	024-30913-000	
16	24	Nut/Washer Assembly (KEPS)	021-18024-000	
17	2	Strap, Cable	025-18167-000	
18	1	Transformer, Control 3T	025-18452-000	208/240 Primary / 24V sec. Used for 110 / 12V
19	22	Screw, Tap, Pan Head	021-13789-000	115V / 24V
20	4	Lockwasher, Hel. Spring,	021-17576-000	
21	4	Nut, Hex	021-10056-000	
22	2	Switch, On/Off	024-25517-000	
23	1	Display	031-01110-000	
24	1	Ribbon Cable	071-02253-251	
25	4	Ribbon Cable	071-02253-252	
26	1	Ribbon Cable	071-02253-253	
27	3	Clamp, Ribbon Wire	025-25156-000	
28	1	Transformer, Control 4T	025-30889-000	
29	4	Spacer, Nylon	021-17575-000	
30	1	Harness, Hinged Panel	571-01226-211	
31	1	Harness, Main Panel	571-02253-201	
32	1	Connector, Cable Strap	025-08301-000	
33	1	Relay, Control	024-25598-000	
34	1	EPROM	031-01798-001	
35	1	Label, Caution	035-15989-000	
36	1	Label, Warning	035-11929-000	
37	2	Connector, Cable Strap	025-12282-000	
38	1	I/O Expansion Board	031-01781-000	
39	1	Ribbon Cable	071-02253-254	
40	Varies	Plug, 6 Pin (Microboard)	025-28382-000	See Page 29
41	Varies	Plug, 9 Pin (Microboard)	025-28383-000	
42	Varies	Plug, 12 Pin (Microboard)	025-28384-000	
43	Varies	Socket, Wire End	025-28386-000	Use with Plugs 40, 41, and 42
44	1	Keypad (Not Shown)	024-30910-000	
45	1	Smart I/O Expansion Board	031-01793-001	
46	1	EPROM (Use with Smart I/O Board)	031-02018-001	

^s Recommended Spare Part

CONTROL PANEL COMPONENTS - CONT'D

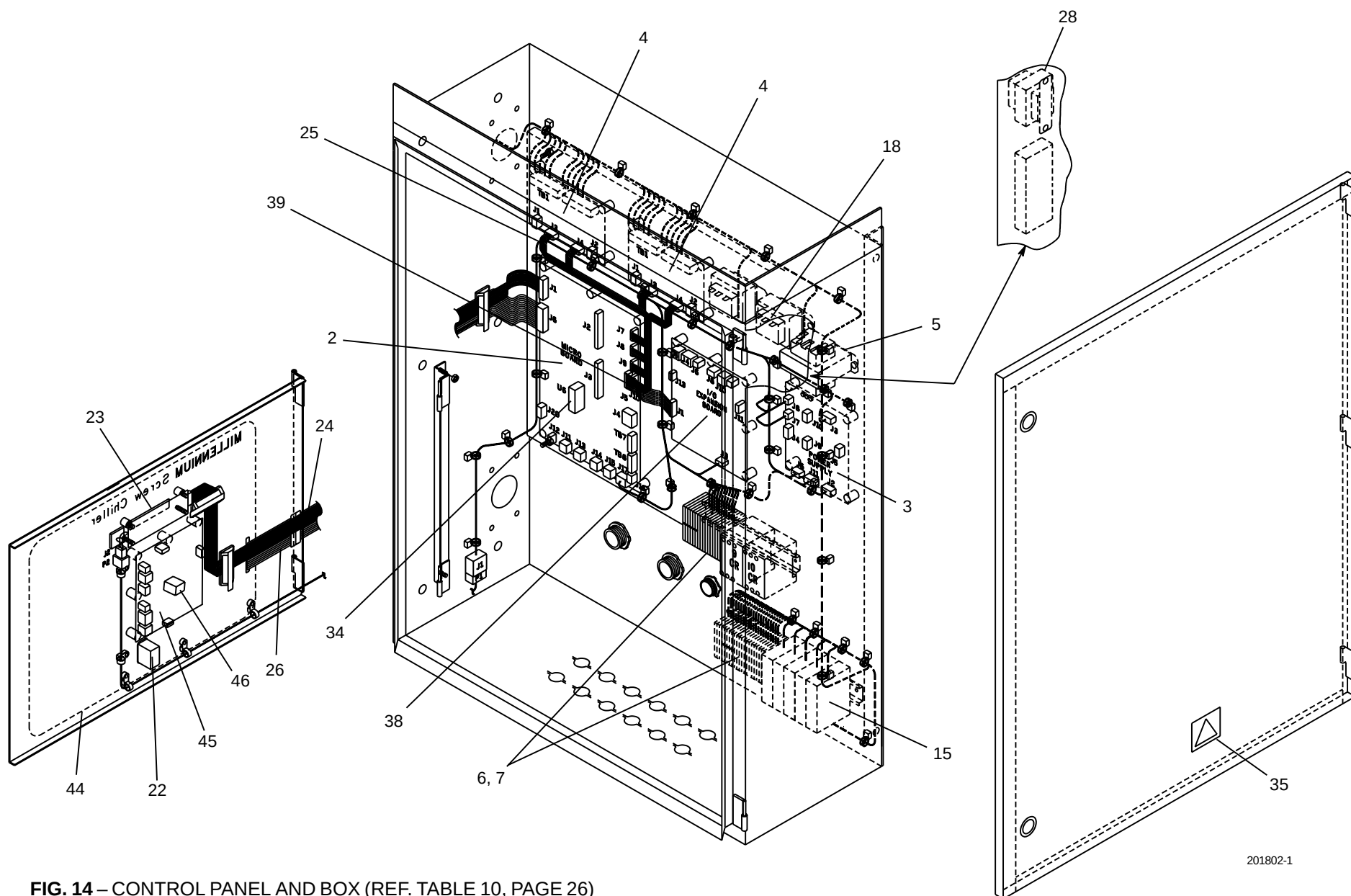


FIG. 14 – CONTROL PANEL AND BOX (REF. TABLE 10, PAGE 26)

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CONTROL PANEL COMPONENTS - CONT'D

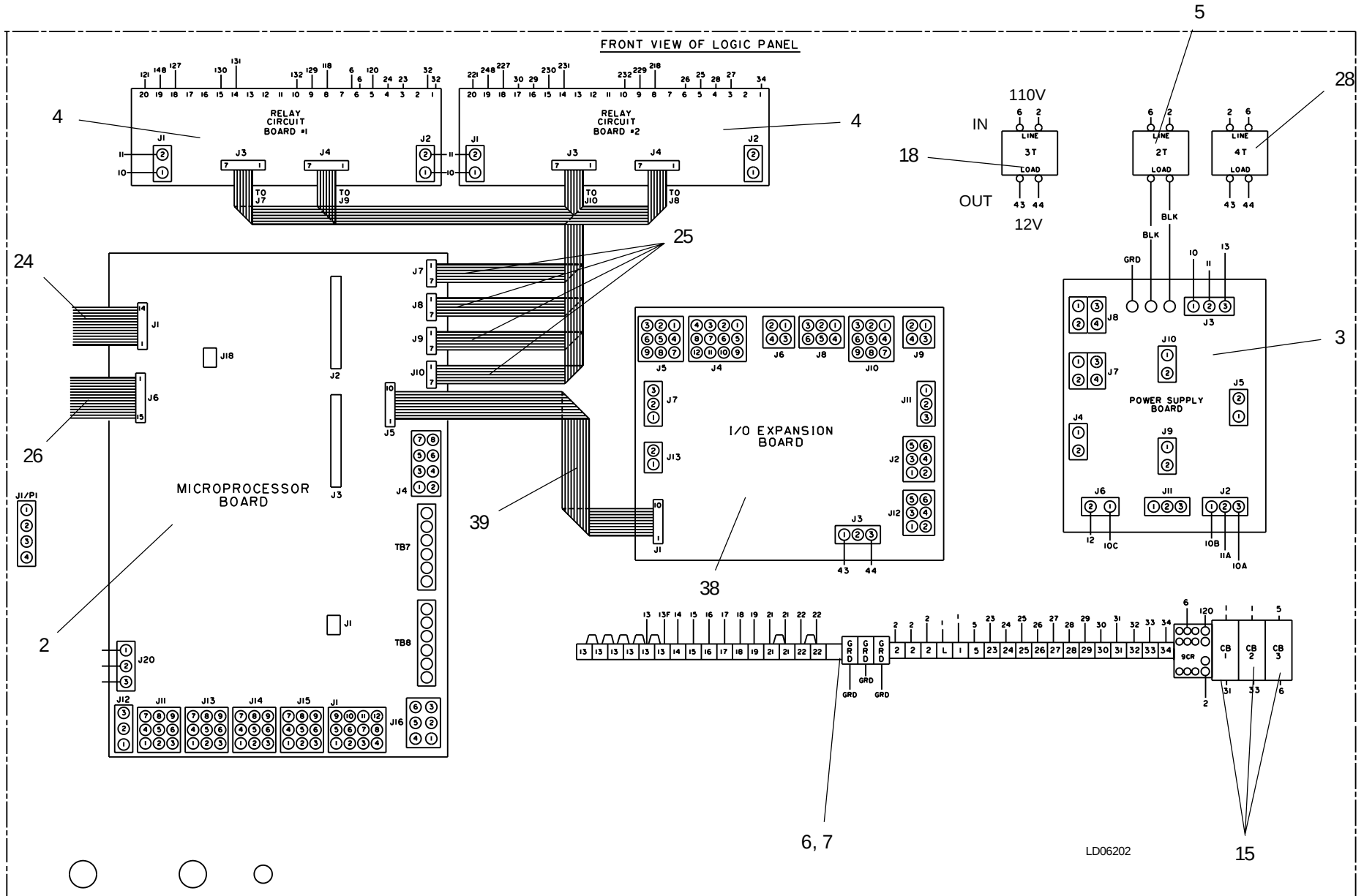
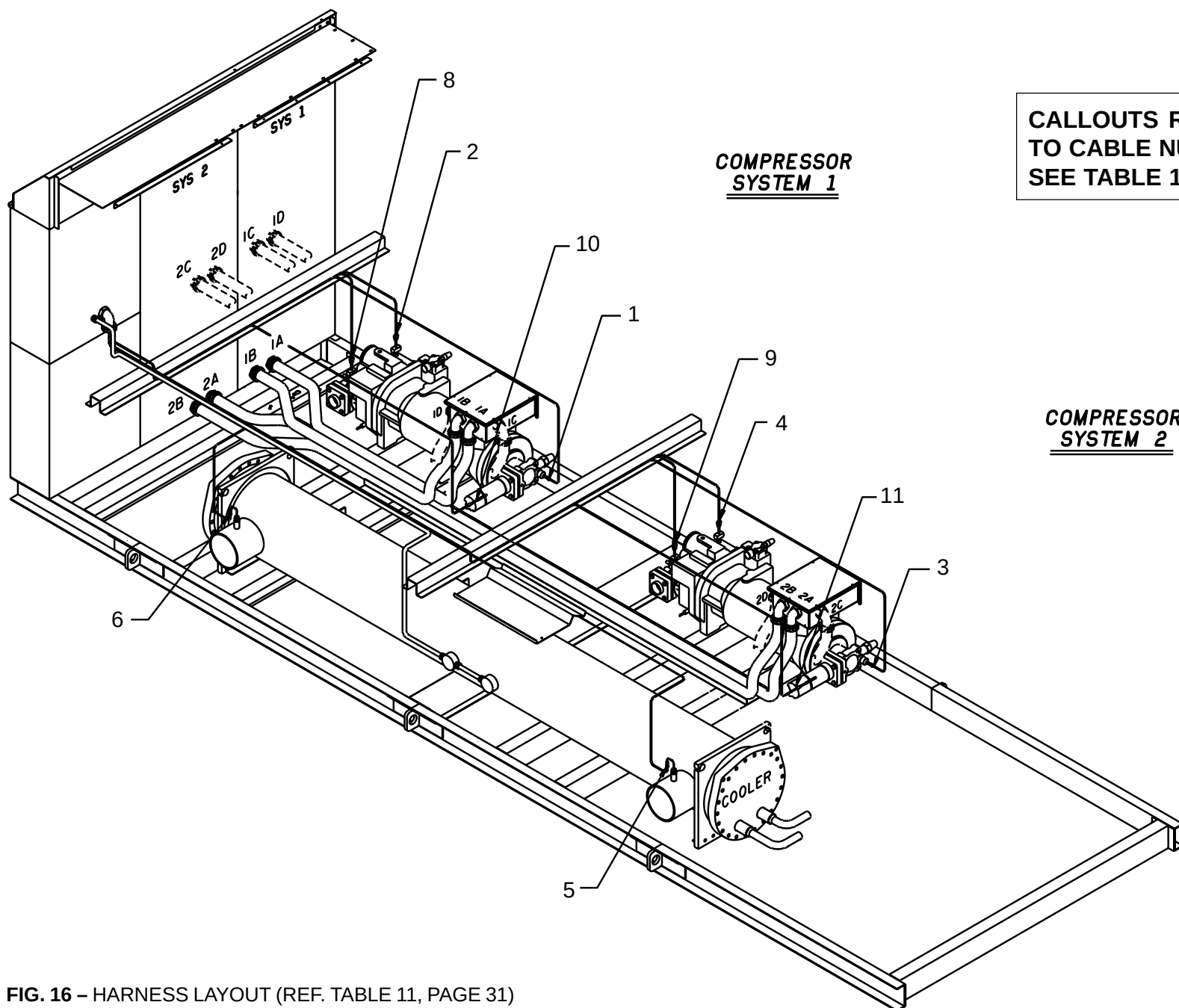


FIG. 15 – CONTROL PANEL CONNECTION DIAGRAM (REF. TABLE 10, PAGE 26)

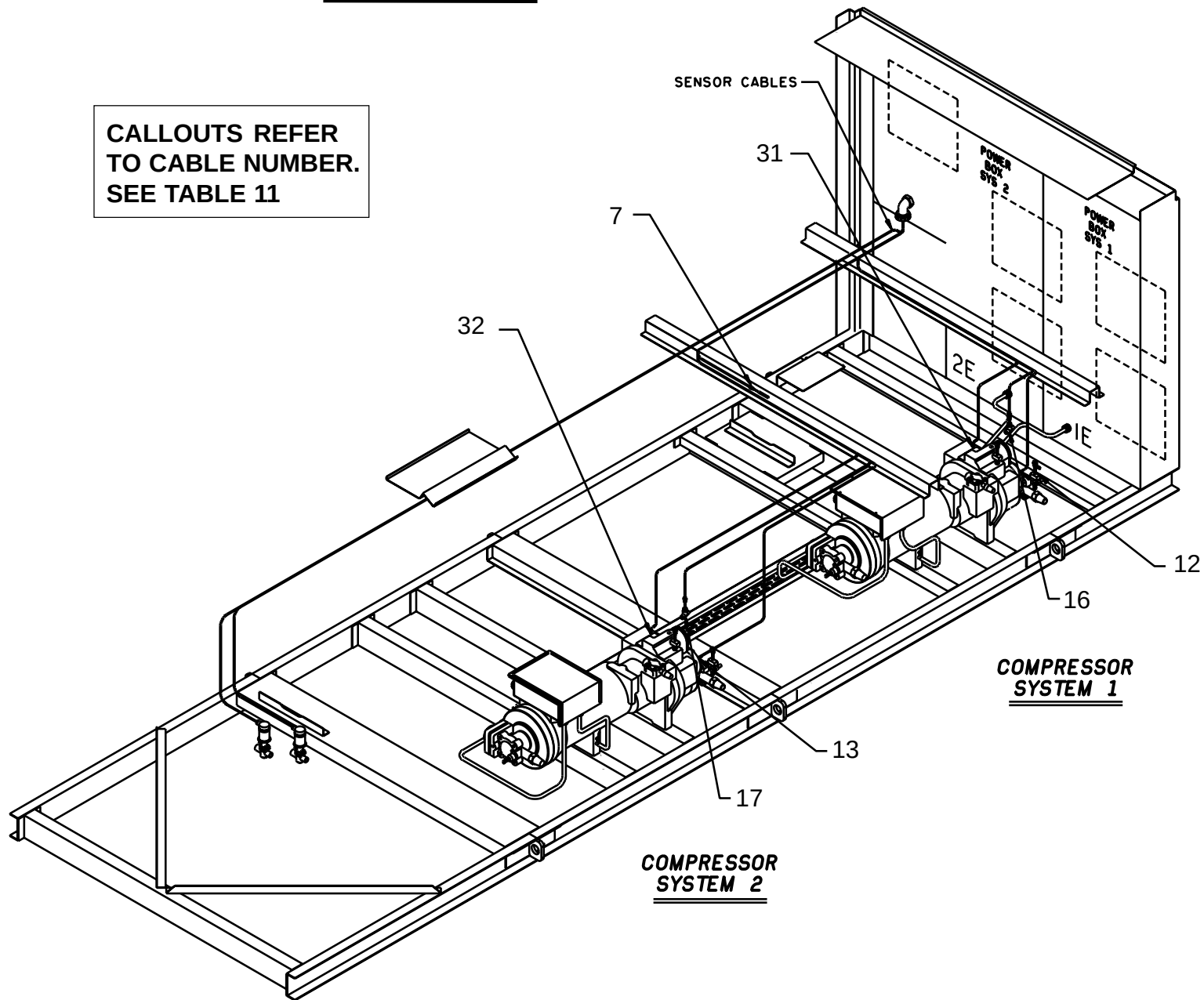


CALLOUTS REFER
TO CABLE NUMBER.
SEE TABLE 11

FIG. 16 – HARNESS LAYOUT (REF. TABLE 11, PAGE 31)

Control Panel

CALLOUTS REFER
TO CABLE NUMBER.
SEE TABLE 11



SENSOR HARNESS (CONT'D)

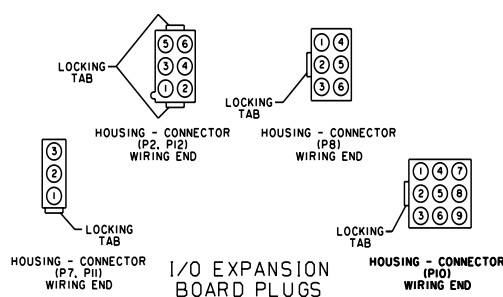
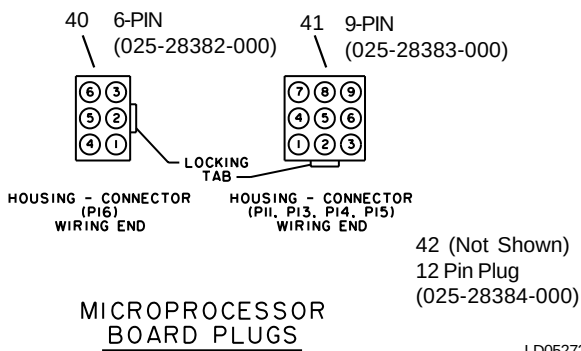
FIG. 17 – HARNESS LAYOUT (REF. TABLE 11, PAGE 31)

SENSOR HARNESS (CONT'D)

TABLE 11 – SENSOR HARNESS WIRING (SEE FIGS. 16 AND 17, PAGES 29 AND 30)

BOARD LOCATION	CABLE ITEM NO.	CABLE NO.	WIRE COLOR	PLUG PIN NO.	FUNCTION	HARNESS ASSY
MICRO J13	102	1	RED	4	SYS #1 SUCTION PRESSURE	371-02253-231
			BLK	1		
			WHT	7		
			DRAIN	2		
	104	2	RED	5	SYS #1 OIL PRESSURE	371-02253-233
			BLK	3		
			WHT	8		
MICRO J14	103	3	DRAIN	9	SYS #2 SUCTION PRESSURE	371-02253-232
			RED	4		
			BLK	1		
			WHT	7		
	105	4	DRAIN	2	SYS #2 OIL PRESSURE	371-02253-234
			RED	5		
MICRO J11	112	5	BLK	3	LEAVING CHILLED WATER	371-02253-246
			DRAIN	9		
			RED	4		
			WHT	7		
	113	6	DRAIN	2	ENTERING CHILLED WATER	371-02253-247
			RED	8		
MICRO J15	107	9	BLK	5	SYS #2 DISCH. PRESSURE	371-02253-236
			DRAIN	2		
			RED	5		
			WHT	8		
	106	8	DRAIN	9	SYS #1 DISCH. PRESSURE	371-02253-235
			RED	5		
MICRO J16	108	10	BLK	6	SYS #1 SUCTION TEMP.	371-02253-241
			DRAIN	1		
			RED	2		
			BLK	4		
	109	11	DRAIN	3	SYS #2 SUCTION TEMP.	371-02253-242
			RED	4		
I/O J10	100	16	DRAIN	3	SYS #1 OIL TEMP.	371-02253-221
			RED	4		
			BLK	7		
			DRAIN	3		
	101	17	RED	5	SYS #2 OIL TEMP.	371-02253-222
			BLK	6		
I/O J8	110	12	DRAIN	2	SYS #1 DISCH. TEMP.	371-02253-243
			RED	2		
			BLK	4		
			DRAIN	1		
	111	13	RED	5	SYS #2 DISCH. TEMP.	371-02253-244
			BLK	6		
			DRAIN	3		
BOARD LOCATION	CABLE ITEM NO.	CABLE NO.	WIRE COLOR	PLUG PIN NO.	FUNCTION	HARNESS ASSY
I/O P2	117	31	RED (47)	1	SYS #1 SLIDE VALVE	371-02253-283
			BLK (48)	2		
			DRAIN	6		
I/O P12	118	32	RED (49)	1	SYS #1 SLIDE VALVE	371-02253-284
			BLK (50)	2		
			DRAIN	6		
I/O P11	115	29	RED	1	SYS #1 COOLER INLET REFRIG. TEMP. SENSOR (R407C ONLY)	371-02253-281
			BLK	2		
			DRAIN	3		
I/O P7	116	30	RED	1	SYS #2 COOLER INLET REFRIG. TEMP. SENSOR (R407C ONLY)	371-02253-282
			BLK	2		
			DRAIN	3		

Note: Harness comes with plug for sensor connection. Plug and sockets (43) for Microboard connection must be ordered separately when needed.


FIG. 18 – SENSOR HARNESS WIRING (SEE FIGS. 16 AND 17, PAGES 29 AND 30)

TRANSDUCERS AND TEMP SENSORS

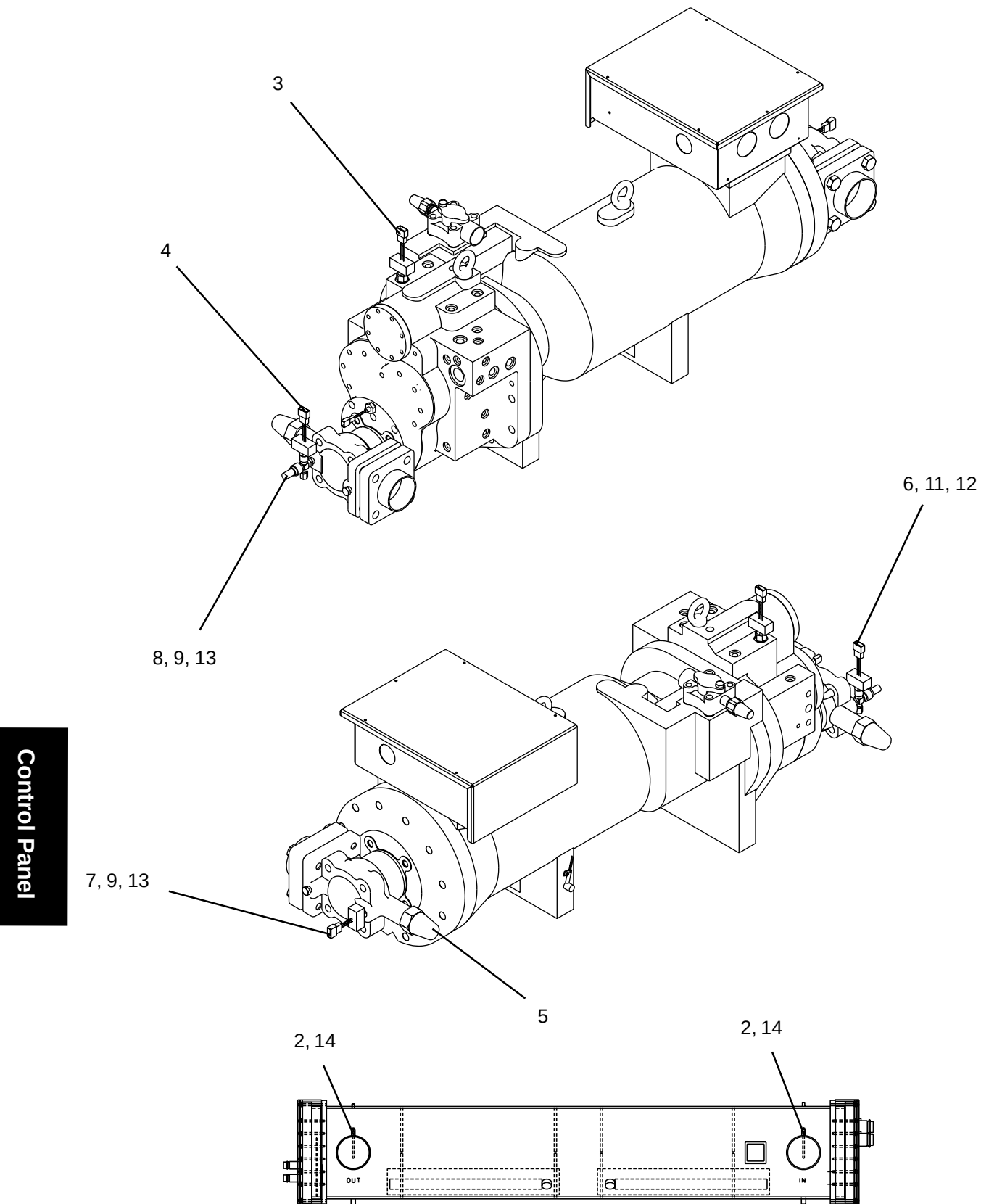


FIG. 19 – TRANSDUCERS AND TEMP SENSORS (REF. TABLE 12, PAGE 33)

TRANSDUCERS AND TEMP SENSORS (CONT'D)

TABLE 12 – TRANSDUCERS AND TEMP SENSORS (SEE FIG. 19, PAGE 32)

ITEM NUMBER	QUANTITY	SYSTEM	DESCRIPTION	VOLTAGE CODE	PART NUMBER
1^s	1	Unit	Sensor, Outside Air (OAT)	ALL	025-28663-001
2^s	2	Unit	Sensor, Water Temp.	ALL	025-29964-000
3^s	2	1, 2	Sensor, Oil Temp.	ALL	025-30440-000
4^s	2	1, 2	Sensor, Disc. Temp.	ALL	025-32924-000
5^s	2	1, 2	Sensor, Suction Temp.	ALL	025-28935-000
6^s	2	1, 2	Switch, High Press. Cutout	ALL	025-30480-000
7^s	2	1, 2	Transducer 0-200 PSI	ALL	025-29583-000
8^s	4	1, 2	Transducer 0-400 PSI	ALL	025-29139-001
9	6	1, 2	Valve, Transducer (Use with Items 7 & 8) 1/4 MPT x 1/4 FPT	ALL	022-09503-000
10	4	1, 2	Valve, Charging (Oil, Refrig). 1/2 x 3/8 Flare (Not Shown)	ALL	022-09754-000
11	2	1, 2	Adaptor, Mounting (Includes Item 12) (Use with Item 6)	ALL	023-18087-000
12	4	1, 2	O-Ring (Use with Item 11)	ALL	028-13540-000
13	6	1, 2	Bushing (Use with Items 6 and 7)	ALL	023-18052-000
14	1	Unit	Compound, Heat Conductive (Use with Item 2)	ALL	013-00898-000

^s Recommended Spare Part

TRANSDUCER, TEMPERATURE SENSOR AND WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS

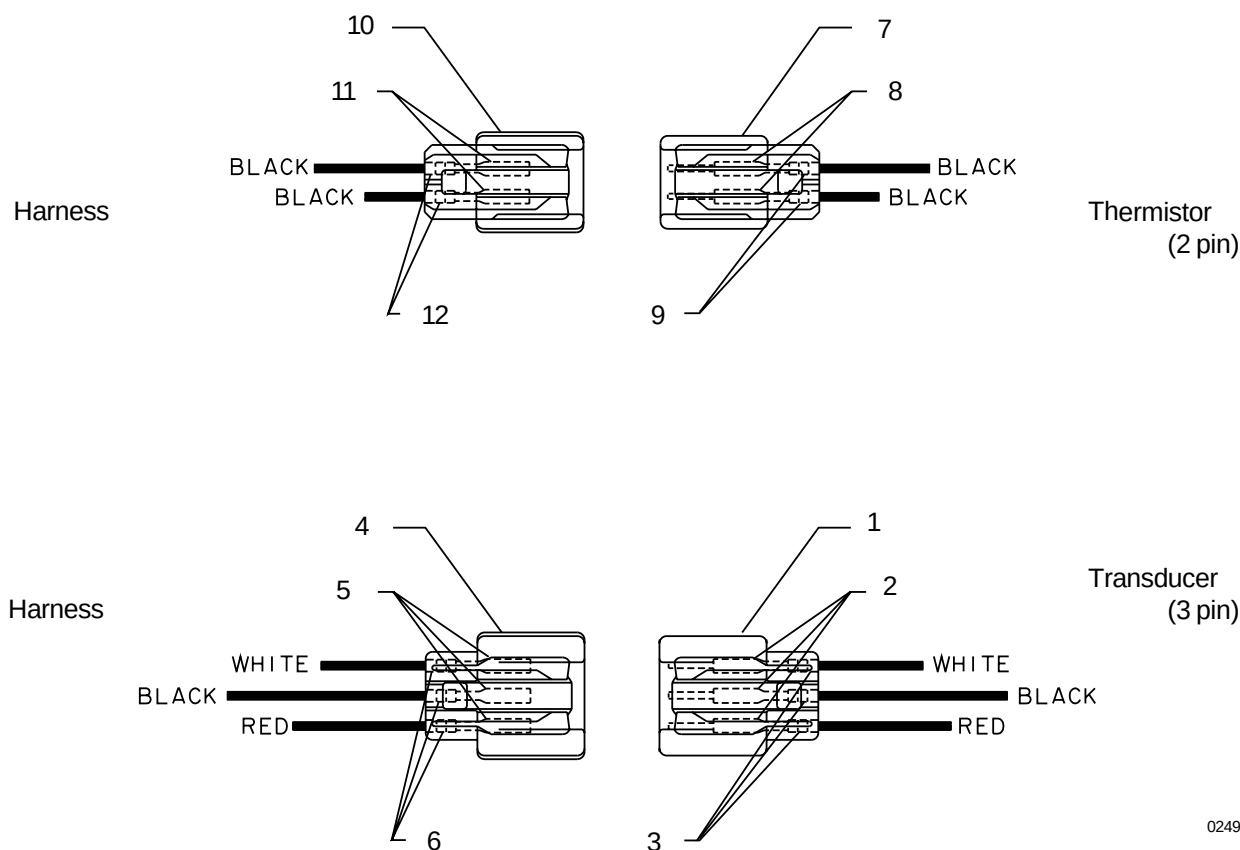


FIG. 20 – TRANSDUCER, TEMPERATURE SENSOR AND WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS - (REF. TABLE 13)

TABLE 13– TRANSDUCER, TEMPERATURE SENSOR AND WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS - (SEE FIG. 20)

ITEM NO.	TYPE	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	Thermistor	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

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Power Panel



36

POWER PANEL IDENTIFIERS - ACROSS-THE-LINE

TABLE 14 – POWER PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER BELOW, THEN REFER TO THE HIGHLIGHTED ROW ON THE 'POWER PANEL COMPONENTS-ACROSS THE LINE' TABLE, PAGES 38 - 43 AND FIG. 21 ON PAGE 36)

Model	Power Panel with Terminal Block	Power Panel with Separate System Circuit Breakers	Power Panel with Separate System NF Disconnect Switches
	Panel Number	Panel Number	Panel Number
YCAS0098E-17XF	371-02302-183	371-02302-276	371-02302-359
YCAS0098E-28XF	371-02302-152	371-02302-252	371-02302-352
YCAS0098E-40XF	371-02302-153	371-02302-266	371-02302-375
YCAS0098E-46XF	371-02302-187	371-02302-254	371-02302-387
YCAS0098E-58XF	371-02302-187	371-02302-287	371-02302-387
YCAS0118E-17XF	371-02302-192	371-02302-292	371-02302-392
YCAS0118E-28XF	371-02302-190	371-02302-290	371-02302-390
YCAS0118E-40XF	371-02302-153	371-02302-285	371-02302-382
YCAS0118E-46XF	371-02302-188	371-02302-288	371-02302-388
YCAS0118E-58XF	371-02302-186	371-02302-286	371-02302-386
YCAS0128E-17XF	371-02302-192	371-02302-292	371-02302-392
YCAS0128E-28XF	371-02302-190	371-02302-290	371-02302-390
YCAS0128E-40XF	371-02302-153	371-02302-285	371-02302-382
YCAS0128E-46XF	371-02302-188	371-02302-288	371-02302-388
YCAS0128E-58XF	371-02302-186	371-02302-286	371-02302-386
YCAS0138E-17XF	371-02302-194	371-02302-294	371-02302-350
YCAS0138E-28XF	371-02302-175	371-02302-275	371-02302-373
YCAS0138E-40XF	371-02302-153	371-02302-283	371-02302-380
YCAS0138E-46XF	371-02302-153	371-02302-283	371-02302-353
YCAS0138E-58XF	371-02302-180	371-02302-254	371-02302-354
YCAS0148E-17XF	371-02302-194	371-02302-294	371-02302-350
YCAS0148E-28XF	371-02302-175	371-02302-275	371-02302-373
YCAS0148E-40XF	371-02302-153	371-02302-283	371-02302-380
YCAS0148E-46XF	371-02302-153	371-02302-283	371-02302-353
YCAS0148E-58XF	371-02302-180	371-02302-254	371-02302-354
YCAS0158E-17XF	371-02302-195	371-02302-295	371-02302-381
YCAS0158E-28XF	371-02302-193	371-02302-293	371-02302-393
YCAS0158E-40XF	371-02302-189	371-02302-289	371-02302-389
YCAS0158E-46XF	371-02302-182	371-02302-282	371-02302-357
YCAS0158E-58XF	371-02302-181	371-02302-281	371-02302-388
YCAS0178E-17XF	371-02302-196	371-02302-265	371-02302-365
YCAS0178E-28XF	371-02302-150	371-02302-250	371-02302-350
YCAS0178E-40XF	371-02302-183	371-02302-276	371-02302-359
YCAS0178E-46XF	371-02302-184	371-02302-284	371-02302-352
YCAS0178E-58XF	371-02302-153	371-02302-272	371-02302-353
YCAS0198E-17XF	371-02302-158	371-02302-265	371-02302-377
YCAS0198E-28XF	371-02302-155	371-02302-255	371-02302-381
YCAS0198E-40XF	371-02302-175	371-02302-275	371-02302-373
YCAS0198E-46XF	371-02302-189	371-02302-289	371-02302-389
YCAS0198E-58XF	371-02302-153	371-02302-272	371-02302-384
YCAS0208E-17XF	371-02302-158	371-02302-280	371-02302-365
YCAS0208E-28XF	371-02302-196	371-02302-265	371-02302-365
YCAS0208E-40XF	371-02302-175	371-02302-275	371-02302-373
YCAS0208E-46XF	371-02302-183	371-02302-276	371-02302-359
YCAS0208E-58XF	371-02302-153	371-02302-272	371-02302-384

ITEM	DESCRIPTION	QTY.	371-02302-150	371-02302-152	371-02302-153	371-02302-155	371-02302-158	371-02302-175
1A	Contactor	1	024-31644-000	024-31642-000	024-26577-000	024-31644-000	024-31645-000	024-31643-000
		1	024-31644-000	024-31642-000	024-26577-000	024-31645-000	024-31645-000	024-31643-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
5	Ground Lug	1	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	3	025-34408-000	025-34408-000	025-34408-000	025-34408-000	025-34405-000	025-34405-000
		3	025-34408-000	025-34408-000	025-34408-000	025-34405-000	025-34405-000	025-34405-000
7	Circuit Breaker	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
8	NF Disconnect Switch	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
10	Operator Mech.	—	—	—	—	—	—	—
11	Sw. C/B Aux.2A/2B	—	—	—	—	—	—	—

ITEM	DESCRIPTION	QTY.	371-02302-180	371-02302-181	371-02302-182	371-02302-183	371-02302-184	371-02302-186
1A	Contactor	1	024-31639-000	024-31639-000	024-26577-000	024-31638-000	024-31642-000	024-31639-000
		1	024-31639-000	024-26577-000	024-31642-000	024-31638-000	024-31642-000	024-31640-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34088-000	025-34088-000	025-34088-000	025-34089-000	025-34089-000	025-34088-000
5	Ground Lug	1	025-34088-000	025-34088-000	025-34089-000	025-34089-000	025-34089-000	025-34088-000
6	Terminal Block	3	025-34482-000	025-34482-000	025-34454-000	025-34408-000	025-34454-000	025-34482-000
		3	025-34482-000	025-34454-000	025-34454-000	025-34408-000	025-34454-000	025-34482-000
7	Circuit Breaker	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
8	NF Disconnect Switch	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
10	Operator Mech.	—	—	—	—	—	—	—
11	Sw. C/B Aux.2A/2B	—	—	—	—	—	—	—

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 37.

ITEM	DESCRIPTION	QTY.	371-02302-187	371-02302-188	371-02302-189	371-02302-190	371-02302-192	371-02302-193
1A	Contactor	1	024-31603-000	024-26577-000	024-26577-000	024-31642-000	024-31638-000	024-31643-000
		1	024-31603-000	024-31603-000	024-31638-000	024-31643-000	024-31644-000	024-31644-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^S	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34088-000	025-34088-000	025-34088-000	025-34089-000	025-34089-000	025-34089-000
5	Ground Lug	1	025-34088-000	025-34088-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	3	025-34482-000	025-34454-000	025-34454-000	025-34408-000	025-34408-000	025-34405-000
		3	025-34482-000	025-34482-000	025-34408-000	025-34405-000	025-34405-000	025-34405-000
7	Circuit Breaker	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
8	NF Disconnect Switch	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
10	Operator Mech.	—	—	—	—	—	—	—
11	Sw. C/B Aux.2A/2B	—	—	—	—	—	—	—

ITEM	DESCRIPTION	QTY.	371-02302-194	371-02302-195	371-02302-196	371-02302-250	371-02302-252	371-02302-254
1A	Contactor	1	024-31644-000	024-31644-000	024-31645-000	024-31644-000	024-31642-000	024-31639-000
		1	024-31644-000	024-31645-000	024-31645-000	024-31644-000	024-31642-000	024-31639-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^S	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34089-000	025-34089-000	025-34089-000	025-34086-000	025-34085-000	025-34089-000
5	Ground Lug	1	025-34089-000	025-34089-000	025-34089-000	025-34086-000	025-34085-000	025-34089-000
6	Terminal Block	3	025-34405-000	025-34405-000	025-34408-000	—	—	—
		3	025-34405-000	025-34408-000	025-34408-000	—	—	—
7	Circuit Breaker	1	—	—	—	025-34425-000	025-34419-000	025-31649-000
		1	—	—	—	025-34425-000	025-34419-000	025-31649-000
8	NF Disconnect Switch	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
10	Operator Mech.	2	—	—	—	025-34413-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	2	—	—	—	024-31648-000	024-31646-000	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 37.

ITEM	DESCRIPTION	QTY.	371-02302-255	371-02302-265	371-02302-266	371-02302-272	371-02302-275	371-02302-276
1A	Contactor	1	024-31644-000	024-31645-000	024-26577-000	024-26577-000	024-31643-000	024-31638-000
		1	024-31645-000	024-31645-000	024-26577-000	024-26577-000	024-31643-000	024-31638-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000	025-34455-000
5	Ground Lug	1	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
7	Circuit Breaker	1	025-34425-000	025-34425-000	024-31649-000	025-34419-000	025-34424-000	025-34424-000
		1	025-34425-000	025-34425-000	024-31649-000	025-34419-000	025-34424-000	025-34424-000
8	NF Disconnect Switch	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
10	Operator Mech.	2	025-34413-000	025-34413-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	2	024-31648-000	024-31648-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

ITEM	DESCRIPTION	QTY.	371-02302-280	371-02302-281	371-02302-282	371-02302-283	371-02302-284	371-02302-285
1A	Contactor	1	024-31645-000	024-26577-000	024-26577-000	024-26577-000	024-31642-000	024-26577-000
		1	024-31645-000	024-31639-000	024-31642-000	024-26577-000	024-31642-000	024-26577-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34086-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34089-000
5	Ground Lug	1	025-34086-000	025-34089-000	025-34085-000	025-34085-000	025-34085-000	025-34089-000
6	Terminal Block	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
7	Circuit Breaker	1	025-34473-000	025-34419-000	024-31819-000	024-31819-000	024-31819-000	024-31649-000
		1	025-34473-000	024-31649-000	024-31819-000	024-31819-000	024-31819-000	024-31649-000
8	NF Disconnect Switch	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
10	Operator Mech.	2	025-34413-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	2	024-31648-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 37.

ITEM	DESCRIPTION	QTY.	371-02302-286	371-02302-287	371-02302-288	371-02302-289	371-02302-290	371-02302-292
1A	Contactor	1	024-31639-000	024-31603-000	024-26577-000	024-26577-000	024-31642-000	024-31638-000
		1	024-31640-000	024-31603-000	024-31639-000	024-31638-000	024-31643-000	024-31643-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34089-000	025-34088-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000
5	Ground Lug	1	025-34088-000	025-34088-000	025-34089-000	025-34085-000	025-34085-000	025-34085-000
6	Terminal Block	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
7	Circuit Breaker	1	024-31649-000	024-31843-000	024-31819-000	024-31819-000	025-34419-000	025-34419-000
		1	024-31843-000	024-31843-000	024-31649-000	025-34424-000	025-34424-000	025-34424-000
8	NF Disconnect Switch	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
10	Operator Mech.	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

ITEM	DESCRIPTION	QTY.	371-02302-293	371-02302-294	371-02302-295	371-02302-350	371-02302-352	371-02302-353
1A	Contactor	1	024-31643-000	024-31644-000	024-31644-000	024-31644-000	024-31642-000	024-26577-000
		1	024-31644-000	024-31644-000	024-31645-000	024-31644-000	024-31642-000	024-26577-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34085-000	025-34085-000	025-34085-000	025-34089-000	025-34089-000	025-34089-000
5	Ground Lug	1	025-34086-000	025-34085-000	025-34086-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
7	Circuit Breaker	1	025-34424-000	025-34424-000	025-34424-000	—	—	—
		1	025-34425-000	025-34424-000	025-34425-000	—	—	—
8	NF Disconnect Switch	1	—	—	—	024-30964-000	024-30963-000	024-31888-000
		1	—	—	—	024-30964-000	024-30963-000	024-31888-000
10	Operator Mech.	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 37.

ITEM	DESCRIPTION	QTY.	371-02302-354	371-02302-357	371-02302-359	371-02302-365	371-02302-373	371-02302-375
1A	Contactor	1	024-31639-000	024-26577-000	024-31638-000	024-31645-000	024-31643-000	024-26577-000
		1	024-31639-000	024-31642-000	024-31638-000	024-31645-000	024-31643-000	024-26577-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34088-000	025-34089-000	025-34085-000	025-34086-000	025-34085-000	025-34089-000
5	Ground Lug	1	025-34088-000	025-34089-000	025-34085-000	025-34086-000	025-34085-000	025-34089-000
6	Terminal Block	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
7	Circuit Breaker	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
8	NF Disconnect Switch	1	024-31888-000	024-31888-000	024-30963-000	024-30965-000	024-30964-000	024-31888-000
		1	024-31888-000	024-30964-000	024-30963-000	024-30965-000	024-30964-000	024-31888-000
10	Operator Mech.	2	025-34417-000	025-34417-000	025-34417-000	025-34413-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	2	024-31646-000	024-31646-000	024-31646-000	024-31648-000	024-31646-000	024-31646-000

ITEM	DESCRIPTION	QTY.	371-02302-377	371-02302-380	371-02302-381	371-02302-382	371-02302-384	371-02302-386
1A	Contactor	1	024-31645-000	024-26577-000	024-31644-000	024-26577-000	024-26577-000	024-31639-000
		1	024-31645-000	024-26577-000	024-31645-000	024-26577-000	024-26577-000	024-31640-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34089-000	025-34089-000	025-34085-000	025-34085-000	025-34085-000	025-34089-000
5	Ground Lug	1	025-34085-000	025-34089-000	025-34086-000	025-34089-000	025-34085-000	025-34088-000
6	Terminal Block	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
7	Circuit Breaker	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
8	NF Disconnect Switch	1	024-30965-000	024-31870-000	024-30964-000	024-30963-000	024-30963-000	024-31888-000
		1	024-30964-000	024-31870-000	024-30965-000	024-31870-000	024-30963-000	024-31843-000
10	Operator Mech.	2	025-34413-000	025-34417-000	025-34413-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	2	024-31648-000	024-31646-000	024-31648-000	024-31646-000	024-31646-000	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 37.

POWER PANEL COMPONENTS - ACROSS-THE-LINE (CONT'D)

ITEM	DESCRIPTION	QTY.	371-02302-387	371-02302-388	371-02302-389	371-02302-390	371-02302-392	371-02302-393
1A	Contactor	1	024-26577-000	024-26577-000	024-26577-000	024-31642-000	024-31638-000	024-31643-000
		1	024-26577-000	024-31645-000	024-31638-000	024-31643-000	024-31644-000	024-31644-000
1C	Surge Suppressor	1	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1E	Lugs, Contactor	4	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34089-000	025-34401-000
2A	120V Harness	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
3 ^s	Motor Protector	1	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	1	025-34455-000	025-34089-000	025-04088-000	025-34089-000	025-34089-000	025-34085-000
5	Ground Lug	1	025-34089-000	025-34089-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000
6	Terminal Block	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
7	Circuit Breaker	—	—	—	—	—	—	—
		—	—	—	—	—	—	—
8	NF Disconnect Switch	1	024-31870-000	024-31888-000	024-30963-000	024-30963-000	024-30963-000	024-30964-000
		1	024-31870-000	024-31888-000	024-30963-000	024-30964-000	024-31870-000	024-30964-000
10	Operator Mech.	2	025-34417-000	025-34417-000	024-31878-000	025-31878-000	025-31878-000	025-31878-000
11	Sw. C/B Aux.2A/2B	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 37.

POWER PANEL COMPONENTS - WYE-DELTA

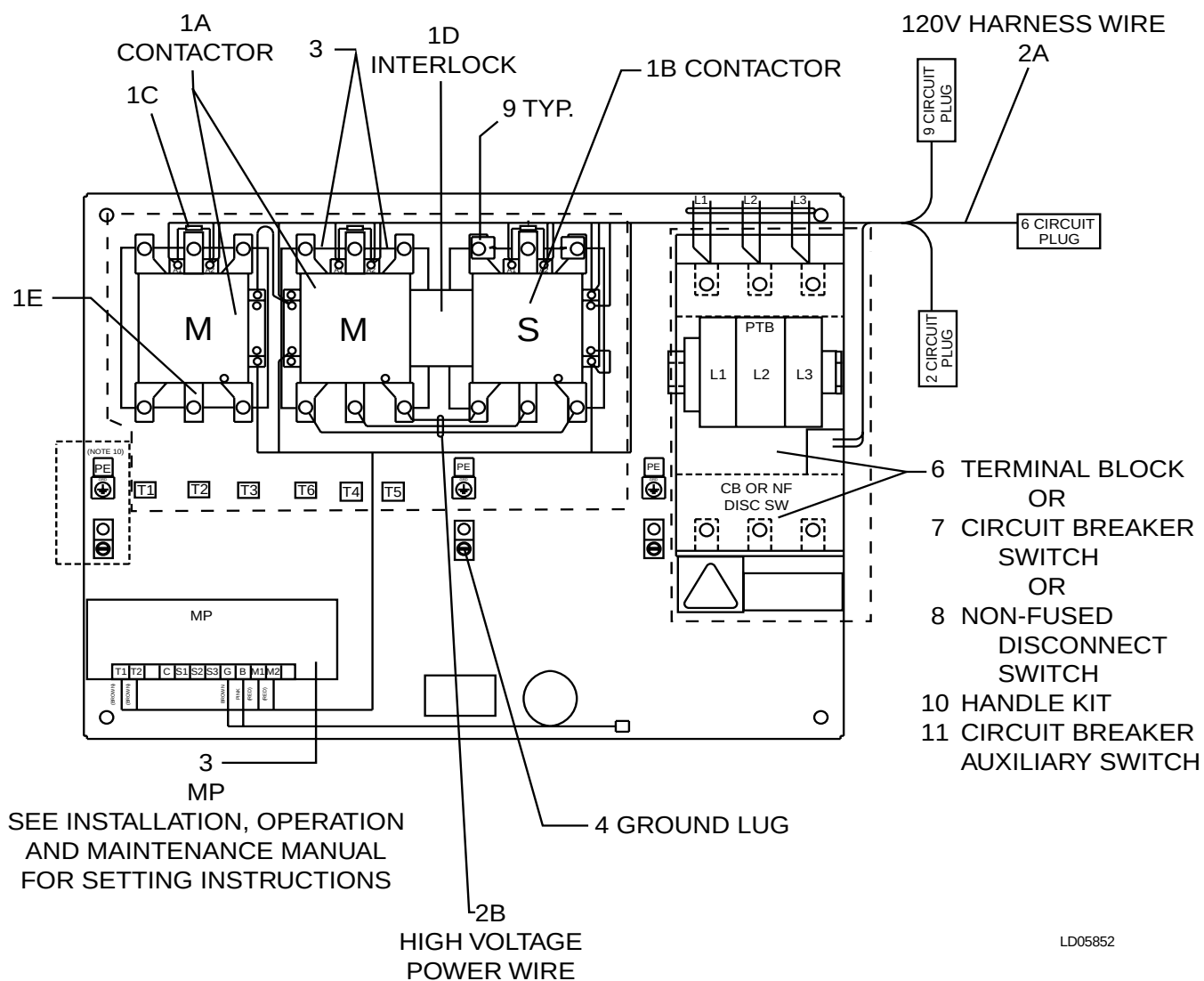


FIG. 22 – POWER PANEL COMPONENTS - WYE DELTA (REF. 'POWER PANEL COMPONENTS- 'WYE DELTA" TABLE, PAGES 46 - 51)

POWER PANEL IDENTIFIERS - WYE DELTA

TABLE 15 – POWER PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS SELECT PANEL IDENTIFIER NUMBER BELOW, THEN REFER TO HIGHLIGHTED ROW ON THE 'POWER PANEL COMPONENTS - WYE DELTA' TABLE, PAGES 46 - 51, AND FIG. 22 ON PAGE 44)

Model	Power Panel with Terminal Block	Power Panel with Separate System Circuit Breakers	Power Panel with Separate System NF Disconnect Switches
YCAS0098E-17YF	371-02302-140	371-02302-201	371-02302-301
YCAS0098E-28YF	371-02302-106	371-02302-206	371-02302-306
YCAS0098E-40YF	371-02302-132	371-02302-204	371-02302-304
YCAS0098E-46YF	371-02302-139	371-02302-238	371-02302-340
YCAS0098E-58YF	371-02302-139	371-02302-240	371-02302-340
YCAS0118E-17YF	371-02302-116	371-02302-216	371-02302-316
YCAS0118E-28YF	371-02302-109	371-02302-209	371-02302-312
YCAS0118E-40YF	371-02302-117	371-02302-217	371-02302-317
YCAS0118E-46YF	371-02302-118	371-02302-218	371-02302-307
YCAS0118E-58YF	371-02302-130	371-02302-215	371-02302-315
YCAS0128E-17YF	371-02302-116	371-02302-216	371-02302-316
YCAS0128E-28YF	371-02302-109	371-02302-209	371-02302-312
YCAS0128E-40YF	371-02302-117	371-02302-217	371-02302-317
YCAS0128E-46YF	371-02302-118	371-02302-218	371-02302-307
YCAS0128E-58YF	371-02302-130	371-02302-215	371-02302-315
YCAS0138E-17YF	371-02302-131	371-02302-200	371-02302-300
YCAS0138E-28YF	371-02302-101	371-02302-201	371-02302-323
YCAS0138E-40YF	371-02302-103	371-02302-221	371-02302-334
YCAS0138E-46YF	371-02302-107	371-02302-207	371-02302-307
YCAS0138E-58YF	371-02302-132	371-02302-204	371-02302-304
YCAS0148E-17YF	371-02302-131	371-02302-200	371-02302-300
YCAS0148E-28YF	371-02302-101	371-02302-201	371-02302-323
YCAS0148E-40YF	371-02302-103	371-02302-221	371-02302-334
YCAS0148E-46YF	371-02302-107	371-02302-207	371-02302-307
YCAS0148E-58YF	371-02302-132	371-02302-204	371-02302-304
YCAS0158E-17YF	371-02302-133	371-02302-233	371-02302-319
YCAS0158E-28YF	371-02302-134	371-02302-234	371-02302-314
YCAS0158E-40YF	371-02302-135	371-02302-235	371-02302-309
YCAS0158E-46YF	371-02302-136	371-02302-236	371-02302-336
YCAS0158E-58YF	371-02302-137	371-02302-237	371-02302-307
YCAS0178E-17YF	371-02302-138	371-02302-210	371-02302-313
YCAS0178E-28YF	371-02302-105	371-02302-205	371-02302-305
YCAS0178E-40YF	371-02302-140	371-02302-201	371-02302-301
YCAS0178E-46YF	371-02302-124	371-02302-206	371-02302-306
YCAS0178E-58YF	371-02302-107	371-02302-228	371-02302-307
YCAS0198E-17YF	371-02302-141	371-02302-208	371-02302-332
YCAS0198E-28YF	371-02302-141	371-02302-208	371-02302-332
YCAS0198E-40YF	371-02302-101	371-02302-201	371-02302-323
YCAS0198E-46YF	371-02302-135	371-02302-239	371-02302-309
YCAS0198E-58YF	371-02302-103	371-02302-203	371-02302-333
YCAS0208E-17YF	371-02302-110	371-02302-232	371-02302-313
YCAS0208E-28YF	371-02302-138	371-02302-210	371-02302-313
YCAS0208E-40YF	371-02302-101	371-02302-201	371-02302-323
YCAS0208E-46YF	371-02302-140	371-02302-201	371-02302-301
YCAS0208E-58YF	371-02302-103	371-02302-203	371-02302-334

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-101	371-02302-103	371-02302-105	371-02302-106	371-02302-107	371-02302-109
1A	Contactor	1	2	024-26577-000	024-31603-000	024-31638-000	024-31639-000	024-31640-000	024-31639-000
		2	2	024-26577-000	024-31603-000	024-31638-000	024-31639-000	024-31640-000	024-31602-000
1B	Contactor	1	1	024-26577-000	024-31636-000	024-26577-000	024-31602-000	024-31636-000	024-26577-000
		2	1	024-26577-000	024-31636-000	024-26577-000	024-31602-000	024-31636-000	024-26577-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31600-000	024-31601-000	024-31637-000	024-31601-000	024-31601-000	024-31601-000
		2	1	024-31600-000	024-31601-000	024-31637-000	024-31601-000	024-31601-000	024-31600-000
1E	Lugs, Contactor	Both	12	025-34401-000	025-34401-000	025-34458-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34087-000	025-34088-000	025-34085-000	025-34085-000	025-34088-000	025-34085-000
5	Ground Lug	Both	2	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	1	3	025-34405-000	025-34454-000	025-34408-000	025-34408-000	025-34454-000	025-34408-000
		2	3	025-34405-000	025-34454-000	025-34408-000	025-34408-000	025-34454-000	025-34405-000
7	Circuit Breaker		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
8	NF Disc Switch		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
10	Operator Mech.		—	—	—	—	—	—	—
11	Sw. C/B Aux.2A/2B		—	—	—	—	—	—	—

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-110	371-02302-116	371-02302-117	371-02302-118	371-02302-124	371-02302-130
1A	Contactor	1	2	024-31643-000	024-31638-000	024-31639-000	024-31643-000	024-31639-000	024-31636-000
		2	2	024-31643-000	024-31643-000	024-31602-000	024-31643-000	024-31639-000	024-31602-000
1B	Contactor	1	1	024-31642-000	024-26577-000	024-26577-000	024-31642-000	024-31602-000	024-31636-000
		2	1	024-31642-000	024-31642-000	024-26577-000	024-31642-000	024-31602-000	024-31636-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	024-31603-000
1D	Mech Interlock	1	1	024-31641-000	024-31637-000	024-31601-000	024-31641-000	024-31601-000	024-31601-000
		2	1	024-31641-000	024-31641-000	024-31600-000	024-31641-000	024-31601-000	024-31601-000
1E	Lugs, Contactor	Both	12	025-34459-000	025-34458-000	025-34401-000	025-34459-000	025-34401-000	025-34401-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34087-000	025-34087-000	025-34085-000	025-34087-000	025-34089-000	025-34089-000
5	Ground Lug	Both	2	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	1	3	025-34405-000	025-34408-000	025-34408-000	025-34405-000	025-34454-000	025-34482-000
		2	3	025-34405-000	025-34405-000	025-34405-000	025-34405-000	025-34454-000	025-34482-000
7	Circuit Breaker		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
8	NF Disc Switch		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
10	Operator Mech.		—	—	—	—	—	—	—
11	Sw. C/B Aux.2A/2B		—	—	—	—	—	—	—

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 45.

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-131	371-02302-132	371-02302-133	371-02302-134	371-02302-135	371-02302-136
1A	Contactor	1	2	024-26577-000	024-31636-000	024-31603-000	024-31642-000	024-31603-000	024-31640-000
		2	2	024-26577-000	024-31636-000	024-31603-000	024-31638-000	024-31603-000	024-31640-000
1B	Contactor	1	1	024-26577-000	024-31602-000	024-31636-000	024-26577-000	024-31636-000	024-31636-000
		2	1	024-26577-000	024-31602-000	024-31636-000	024-26577-000	024-31636-000	024-31636-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31600-000	024-31637-000	024-31601-000	024-31637-000	024-31641-000	024-31637-000
		2	1	024-31600-000	024-31637-000	024-31601-000	024-31637-000	024-31641-000	024-31637-000
1E	Lugs, Contactor	Both	12	025-34401-000	025-34458-000	025-34401-000	025-34458-000	025-34459-000	025-34458-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34089-000	025-34088-000	025-34088-000	025-34085-000	025-34089-000	025-34089-000
5	Ground Lug	Both	2	025-34089-000	025-34088-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	1	6	025-34408-000	025-34482-000	025-34454-000	025-34408-000	025-34454-000	025-34454-000
		2	6	025-34408-000	025-34482-000	025-34454-000	025-34408-000	025-34454-000	025-34454-000
7	Circuit Breaker		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
8	NF Disc Switch		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
10	Operator Mech.		—	—	—	—	—	—	—
11	Sw. C/B Aux.2A/2B		—	—	—	—	—	—	—

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-137	371-02302-138	371-02302-139	371-02302-140	371-02302-141	371-02302-200
1A	Contactor	1	2	024-26577-000	024-31636-000	024-31636-000	024-31642-000	024-31603-000	024-31642-000
		2	2	024-26577-000	024-31636-000	024-31636-000	024-31638-000	024-31603-000	024-31642-000
1B	Contactor	1	1	024-26577-000	024-31602-000	024-31636-000	024-26577-000	024-31636-000	024-26577-000
		2	1	024-26577-000	024-31602-000	024-31636-000	024-26577-000	024-31636-000	024-26577-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31600-000	024-31637-000	024-31601-000	024-31637-000	024-31641-000	024-31637-000
		2	1	024-31600-000	024-31637-000	024-31601-000	024-31637-000	024-31641-000	024-31637-000
1E	Lugs, Contactor	Both	12	025-34401-000	025-34458-000	025-34401-000	025-34458-000	025-34459-000	025-34458-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34089-000	025-34088-000	025-34088-000	025-34085-000	025-34089-000	025-34089-000
5	Ground Lug	Both	2	025-34089-000	025-34088-000	025-34088-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block	1	6	025-34408-000	025-34482-000	025-34482-000	025-34408-000	025-34454-000	—
		2	6	025-34408-000	025-34482-000	025-34482-000	025-34408-000	025-34454-000	—
7	Circuit Breaker		1	—	—	—	—	—	025-34424-000
			1	—	—	—	—	—	025-34424-000
8	NF Disc Switch		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
10	Operator Mech.		2	—	—	—	—	—	025-34417-000
11	Sw. C/B Aux.2A/2B		2	—	—	—	—	—	024-31646-000

Power Panel

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 45.

POWER PANEL COMPONENTS - WYE-DELTA (CONT'D)

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-201	371-02302-203	371-02302-204	371-02302-205	371-02302-206	371-02302-207
1A	Contactor	1	2	024-26577-000	024-31603-000	024-31602-000	024-31638-000	024-31639-000	024-31640-000
		2	2	024-26577-000	024-31603-000	024-31602-000	024-31638-000	024-31639-000	024-31640-000
1B	Contactor	1	1	024-26577-000	024-31636-000	024-31636-000	024-26577-000	024-31602-000	024-31636-000
		2	1	024-26577-000	024-31636-000	024-31636-000	024-26577-000	024-31602-000	024-31636-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31600-000	024-31601-000	024-31601-000	024-31601-000	024-31601-000	024-31637-000
		2	1	024-31600-000	024-31601-000	024-31601-000	024-31601-000	024-31601-000	024-31637-000
1E	Lugs, Contactor	Both	12	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000	025-34458-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34085-000	025-34085-000	025-34089-000	025-34089-000	025-34085-000	025-34089-000
5	Ground Lug	Both	2	025-34085-000	025-34088-000	025-34089-000	025-34086-000	025-34085-000	025-34089-000
6	Terminal Block		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
7	Circuit Breaker	1	1	025-34424-000	025-34419-000	024-31649-000	025-34419-000	025-34419-000	024-31649-000
		2	1	025-34424-000	025-34419-000	024-31649-000	025-34425-000	025-34419-000	024-31649-000
8	NF Disc Switch		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
10	Operator Mech.	Both	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000
ITEM	DESCRIPTION	SYS.	QTY.	371-02302-208	371-02302-209	371-02302-210	371-02302-215	371-02302-216	371-02302-217
1A	Contactor	1	2	024-31638-000	024-31640-000	024-31643-000	024-31602-000	024-26577-000	024-31602-000
		2	2	024-31643-000	024-31640-000	024-31643-000	024-31636-000	024-31642-000	024-31603-000
1B	Contactor	1	1	024-26577-000	024-31636-000	024-31642-000	024-31636-000	024-26577-000	024-31636-000
		2	1	024-31642-000	024-31636-000	024-31642-000	024-31636-000	024-26577-000	024-31636-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31637-000	024-31601-000	024-31641-000	024-31641-000	024-31600-000	024-31637-000
		2	1	024-31641-000	024-31601-000	024-31641-000	024-31641-000	024-31601-000	024-31637-000
1E	Lugs, Contactor	Both	12	025-34458-000	025-34401-000	025-34459-000	025-34459-000	025-34089-000	025-34088-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02601-000	071-02625-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02600-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34086-000	025-34088-000	025-34086-000	025-34089-000	025-34085-000	025-34089-000
5	Ground Lug	Both	2	025-34086-000	025-34089-000	025-34089-000	025-34088-000	025-34085-000	025-34462-000
6	Terminal Block		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
7	Circuit Breaker	1	1	025-34425-000	024-31649-000	025-34425-000	024-31649-000	025-34424-000	025-31649-000
		2	1	025-34425-000	024-31649-000	025-34425-000	024-31843-000	025-34424-000	025-31819-000
8	NF Disc Switch		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
10	Operator Mech.	Both	2	025-34413-000	025-34417-000	025-34413-000	025-34417-000	024-31878-000	024-31878-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31648-000	024-31646-000	024-31648-000	024-31646-000	024-31646-000	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 45.

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-221	371-02302-228	371-02302-232	371-02302-233	371-02302-234	371-02302-235
1A	Contactor	1	2	024-31642-000	024-31640-000	024-31643-000	024-31642-000	024-26577-000	024-26577-000
		2	2	024-31642-000	024-31640-000	024-31643-000	024-31643-000	024-31638-000	024-31603-000
1B	Contactor	1	1	024-26577-000	024-31636-000	024-31642-000	024-26577-000	024-26577-000	024-26577-000
		2	1	024-26577-000	024-31636-000	024-31642-000	024-31642-000	024-26577-000	024-31602-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31637-000	024-31601-000	024-31641-000	024-31637-000	024-31600-000	024-31600-000
		2	1	024-31637-000	024-31601-000	024-31641-000	024-31637-000	024-31600-000	024-31601-000
1E	Lugs, Contactor	Both	12	025-34458-000	025-34401-000	025-34401-000	025-34089-000	025-34458-000	025-34401-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02601-000	071-02601-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34086-000	025-34085-000	025-34455-000	025-34085-000	025-34085-000	025-34085-000
5	Ground Lug	Both	2	025-34089-000	025-34085-000	025-34089-000	025-34086-000	025-34086-000	025-34462-000
6	Terminal Block		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
7	Circuit Breaker	1	1	025-34425-000	025-34419-000	025-34473-000	025-34424-000	025-34424-000	025-34424-000
		2	1	025-34425-000	025-34419-000	025-34473-000	025-34425-000	025-34425-000	024-31819-000
8	NF Disc Switch	1	1	—	—	—	—	—	—
		2	1	—	—	—	—	—	—
10	Operator Mech.	Both	2	025-34413-000	025-34417-000	025-34413-000	024-31878-000	024-31878-000	024-31878-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31648-000	024-31646-000	024-31648-000	024-31646-000	024-31646-000	024-31646-000

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-236	371-02302-237	371-02302-238	371-02302-239	371-02302-240	371-02302-300
1A	Contactor	1	2	024-31639-000	024-31636-000	024-31636-000	024-31603-000	024-31636-000	024-31642-000
		2	2	024-31640-000	024-31640-000	024-31638-000	024-26577-000	024-31636-000	024-31642-000
1B	Contactor	1	1	024-31602-000	024-31602-000	024-31636-000	024-31636-000	024-31636-000	024-26577-000
		2	1	024-31636-000	024-31636-000	024-26577-000	024-26577-000	024-31636-000	024-26577-000
1C	Surge Suppressor	Both	6	031-02203-000	031-02203-000	031-00808-000	031-00808-000	031-02203-000	031-00808-000
1D	Mech Interlock	1	1	024-31601-000	024-31601-000	024-31637-000	024-31601-000	024-31601-000	024-31637-000
		2	1	024-31601-000	024-31601-000	024-31637-000	024-31601-000	024-31601-000	024-31637-000
1E	Lugs, Contactor	Both	12	025-34401-000	025-34401-000	025-34455-000	025-34458-000	025-34401-000	025-34459-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34085-000	025-34085-000	025-34089-000	025-34085-000	025-34088-000	025-34089-000
5	Ground Lug	Both	2	025-34085-000	025-34089-000	025-34085-000	025-34085-000	025-34089-000	025-34089-000
6	Terminal Block		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
7	Circuit Breaker		—	025-34419-000	024-31649-000	024-31649-000	025-34419-000	024-31843-000	—
			—	024-31819-000	025-34419-000	025-34419-000	025-34424-000	024-31843-000	—
8	NF Disc Switch	1	1	—	—	—	—	—	024-30964-000
		2	1	—	—	—	—	—	024-30964-000
10	Operator Mech.	Both	2	024-31878-000	024-31878-000	024-31878-000	024-31878-000	024-31878-000	025-34417-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

Power Panel

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 45.

POWER PANEL COMPONENTS - WYE-DELTA (CONT'D)

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-301	371-02302-304	371-02302-305	371-02302-306	371-02302-307	371-02302-309
1A	Contactor	1	2	024-26577-000	024-31602-000	024-31638-000	024-31639-000	024-31640-000	024-31639-000
		2	2	024-26577-000	024-31602-000	024-31638-000	024-31639-000	024-31640-000	024-26577-000
1B	Contactor	1	1	024-26577-000	024-31636-000	024-26577-000	024-31602-000	024-31636-000	024-31602-000
		2	1	024-26577-000	024-31636-000	024-26577-000	024-31602-000	024-31636-000	024-26577-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31600-000	024-31601-000	024-31637-000	024-31601-000	024-31601-000	024-31601-000
		2	1	024-31600-000	024-31601-000	024-31637-000	024-31601-000	024-31601-000	024-31600-000
1E	Lugs, Contactor	Both	12	025-34458-000	025-34401-000	025-34458-000	025-34458-000	025-34401-000	025-34401-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34085-000	025-34085-000	025-34089-000	025-34085-000	025-34088-000	025-34085-000
5	Ground Lug	Both	2	025-34085-000	025-34085-000	025-34089-000	025-34089-000	025-34089-000	025-34085-000
6	Terminal Block		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
7	Circuit Breaker		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
8	NF Disc Switch	1	1	024-30963-000	024-30963-000	024-30964-000	024-30963-000	024-31888-000	024-30963-000
		2	1	024-30963-000	024-30963-000	024-30964-000	024-30963-000	024-31888-000	024-30963-000
10	Operator Mech.	Both	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000
ITEM	DESCRIPTION	SYS.	QTY.	371-02302-312	371-02302-313	371-02302-314	371-02302-315	371-02302-316	371-02302-317
1A	Contactor	1	2	024-31639-000	024-31643-000	024-31603-000	024-26577-000	024-26577-000	024-31603-000
		2	2	024-26577-000	024-31643-000	024-31639-000	024-26577-000	024-26577-000	024-31603-000
1B	Contactor	1	1	024-31602-000	024-31642-000	024-31602-000	024-26577-000	024-26577-000	024-31636-000
		2	1	024-26577-000	024-31642-000	024-31602-000	024-26577-000	024-26577-000	024-31602-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31601-000	024-31641-000	024-31601-000	024-31600-000	024-31600-000	024-31601-000
		2	1	024-31600-000	024-31641-000	024-31601-000	024-31600-000	024-31600-000	024-31601-000
1E	Lugs, Contactor	Both	12	025-34401-000	025-34459-000	025-34401-000	025-34401-000	025-34401-000	025-34401-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	071-02601-000	Obtain Locally	Obtain Locally	Obtain Locally	Obtain Locally
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	4	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34085-000	025-34089-000
5	Ground Lug	Both	2	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000	025-34089-000
6	Terminal Block		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
7	Circuit Breaker		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
8	NF Disc Switch	1	1	024-30963-000	024-30964-000	024-30963-000	024-30964-000	024-30964-000	024-31888-000
		2	1	024-30963-000	024-30964-000	024-30963-000	024-30964-000	024-30963-000	024-30963-000
10	Operator Mech.	Both	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 45.

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-319	371-02302-323	371-02302-332	371-02302-333	371-02302-334	371-02302-336
1A	Contactor	1	2	024-31603-000	024-26577-000	024-31638-000	024-31603-000	024-31603-000	024-31640-000
		2	2	024-31603-000	024-26577-000	024-31643-000	024-31603-000	024-31603-000	024-31639-000
1B	Contactor	1	1	024-31602-000	024-26577-000	024-26577-000	024-31636-000	024-31602-000	024-31636-000
		2	1	024-31602-000	024-26577-000	024-31642-000	024-31602-000	024-31602-000	024-31602-000
1C	Surge Suppressor	Both	6	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000	031-00808-000
1D	Mech Interlock	1	1	024-31601-000	024-31600-000	024-31641-000	024-31601-000	024-31601-000	024-31601-000
		2	1	024-31601-000	024-31600-000	024-31641-000	024-31637-000	024-31601-000	024-31601-000
1E	Lugs, Contactor	Both	12	025-34401-000	025-34401-000	025-34459-000	025-34458-000	025-34459-000	025-34401-000
2A	120V Harness	1	1	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000	071-02600-000
2B	120V Harness	2	1	071-02601-000	Obtain Locally	071-02601-000	071-02601-000	071-02601-000	071-02601-000
3	Motor Protector	Both	2	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000	024-30907-000
4	Ground Lug	Both	2	025-34085-000	025-34085-000	025-34085-000	025-34089-000	025-34085-000	025-34089-000
5	Ground Lug	Both	2	025-34089-000	025-34089-000	025-34086-000	025-34085-000	025-34085-000	025-34085-000
6	Terminal Block		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
7	Circuit Breaker		—	—	—	—	—	—	—
			—	—	—	—	—	—	—
8	NF Disc Switch	1	1	024-30963-000	024-30964-000	024-30964-000	024-31888-000	024-30963-000	024-31888-000
		2	1	024-30963-000	024-30964-000	024-30965-000	024-30963-000	024-30963-000	024-30963-000
10	Operator Mech.	Both	2	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000	025-34417-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000	024-31646-000

ITEM	DESCRIPTION	SYS.	QTY.	371-02302-340
1A	Contactor	1	2	024-31603-000
		2	2	024-31603-000
1B	Contactor	1	1	024-31636-000
		2	1	024-31602-000
1C	Surge Suppressor	Both	6	031-00808-000
1D	Mech Interlock	1	1	024-31601-000
		2	1	024-31601-000
1E	Lugs, Contactor	Both	12	025-34085-000
2A	120V Harness	1	1	071-02600-000
2B	120V Harness	2	1	071-02601-000
3	Motor Protector	Both	2	024-30907-000
4	Ground Lug	Both	2	025-34088-000
5	Ground Lug	Both	2	025-34089-000
6	Terminal Block		—	—
			—	—
7	Circuit Breaker		—	—
			—	—
8	NF Disc Switch	1	1	024-31888-000
		2	1	024-30963-000
10	Operator Mech.	Both	2	025-34417-000
11	Sw. C/B Aux.2A/2B	Both	2	024-31646-000

Note: Highlighted numbers refer to Power Panel Identifiers shown on page 45.

Note: Obtain high voltage power wire locally.

POWER PANEL COMPONENTS - WYE-DELTA (CONT'D)

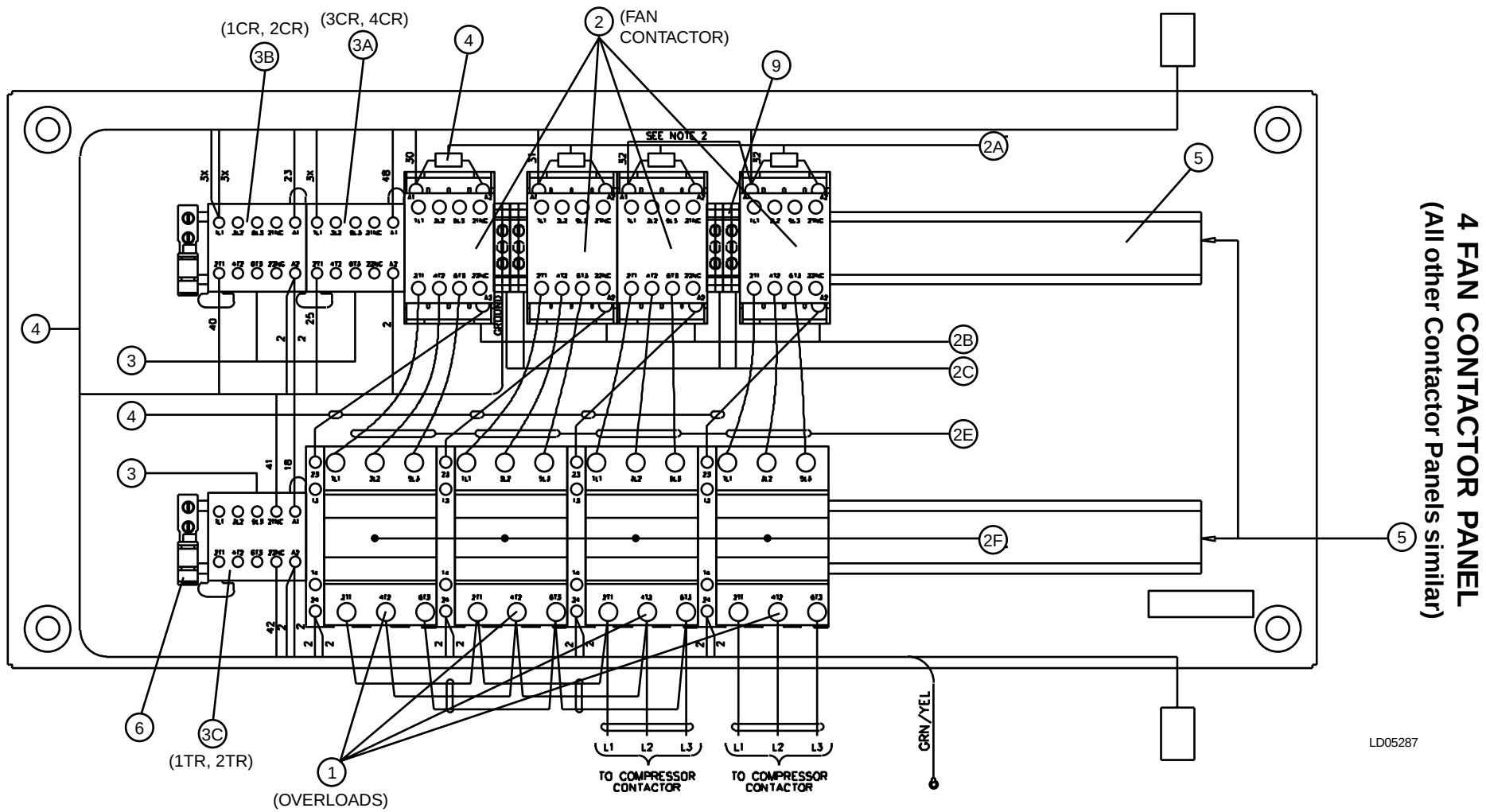


FIG. 23 – 4 FAN CONTACTOR PANEL (REF. TABLE 17, PAGE 53)

4 FAN CONTACTOR PANEL COMPONENTS (CONT'D)

(All other contactor panels similar)

TABLE 17 – 4 FAN CONTACTOR PANEL COMPONENTS – YCAS F (SEE FIG. 23, PAGE 52)

ITEM	LEGEND	DESCRIPTION	YORK PART NO.	QTY*
1	9 OL - 20 OL	6.3 A OVERLOAD	025-34449-000	4
		9.0 A OVERLOAD	025-34446-000	4
2	9M - 20M	FAN CONTACTOR 380-575V	025-34448-000	4
		FAN CONTACTOR 200-230V	025-34445-000	4
3A	3, 4CR	COMP HTR RELAY	024-31635-000	1
3B	1, 2CR	COMP RUN RELAY	024-31635-000	1
3C	1, 2TR	Y-D TRANSITION RELAY	024-31635-000	1
4		SURGE SUPPRESSOR	031-00808-000	4
5		DIN RAIL SLOTTED	025-29167-000	0.5
6		END CLAMP	025-34439-000	2
7		14AWG BLK 600V 1		8
8		FAN PNL PWR-WIRE		3
9		PH TERM USLKG2.5	025-34447-000	4

* **Note:** 4 Fan Panel Assembly is shown. Adjust quantities for 3, 5 and 6 fan assemblies as needed.

OPTION AND POWER PANEL CONFIGURATIONS

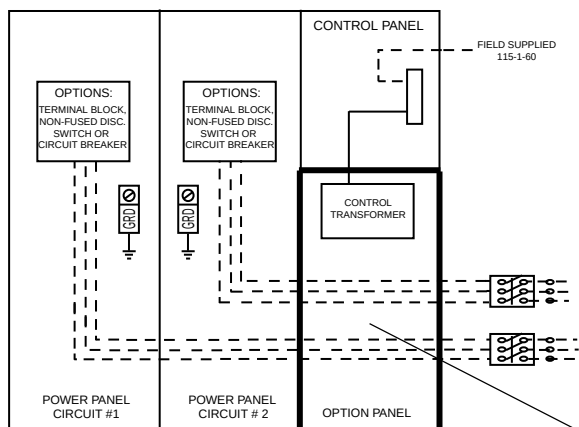
Power panels and option panels are offered in several configurations using three (3) major components:

1. TERMINAL BLOCKS -
2. CIRCUIT BREAKER SWITCH -
3. NF (Non Fused) DISCONNECT SWITCH -

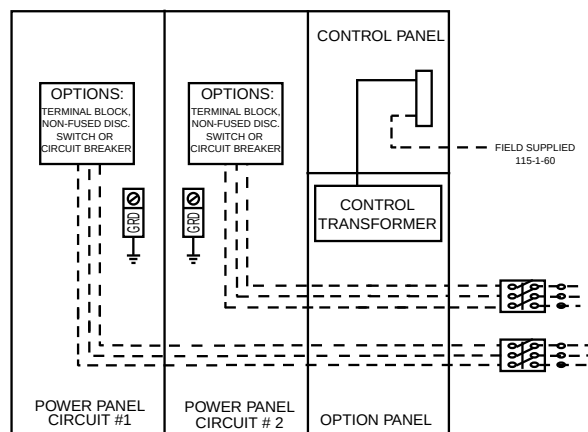
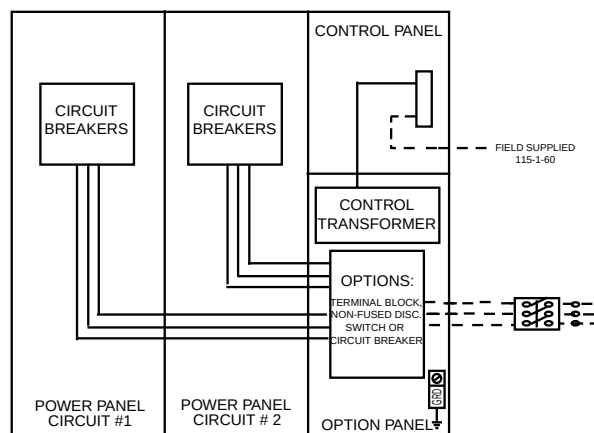
The most basic chiller power wiring configuration uses terminal blocks in the power panel, and an option panel with no power wire termination hardware. See figures below. The model number pin number locations 16 and 17 would be X and X to reflect this basic combination. Identify pin number locations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

PIN 16 & 17 LETTER CODE IDENTIFIERS	POWER PANEL AND OPTION PANEL CONFIGURATION
X X	Terminal Blocks for each system in power panel; no options in option panel
M D	NF disconnect switch for each system in power panel; no options in option panel
M B	Circuit Breaker switch for each system in power panel; no options in option panel
S B	Circuit Breaker switch for each system in power panel; SP terminal block in option panel
D B	Circuit Breaker switch for each system in power panel; SP NIF disc switch in option panel
S S	NF disconnect switch for each system in power panel; SP terminal block in option panel
C S	NF disconnect switch for each system in power panel; SP circuit breaker in option panel

Examples of power wiring configurations:



Option Panel



202649-1b

FIG. 24 – EXAMPLES OF POWER WIRING CONFIGURATIONS (2-COMPRESSOR UNITS)

OPTION PANEL IDENTIFIERS

TABLE 18 – OPTION PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER BELOW, THEN REFER TO HIGHLIGHTED ROW ON TABLE 19, AND FIGS. 26 AND 27 ON PAGES 63 AND 64)

*** MULTI-POINT POWER SUPPLY (STANDARD)**

Model	Code	w/ Transformer	Qty.	w/o Transformer	Qty.
YCAS0098, 0118, 0128, 0138 0148, 0158 0178, 0198 & YCAS0208	17	371-02700-290	1	371-02700-099	1
	28	371-02700-291	1	371-02700-099	1
	40	371-02700-292	1	371-02700-099	1
	46	371-02700-293	1	371-02700-099	1
	58	371-02700-294	1	371-02700-099	1

*** SINGLE POINT SUPPLY TERMINAL BLOCK, NF DISCONNECT SWITCH OR CIRCUIT BREAKERS - ACROSS THE LINE START WITH CONTROL TRANSFORMER.**

Model	Code	Terminal Block	Qty.	NF Disc. Switch	Qty.	Circuit Breaker	Qty.
YCAS0098	40	371-02700-214	1	371-02700-279	1	371-02700-256	1
	46	371-02700-216	1	371-02700-280	1	371-02700-257	1
	58	371-02700-217	1	371-02700-228	1	371-02700-276	1
YCAS0118	40	371-02700-214	1	371-02700-264	1	371-02700-254	1
	46	371-02700-216	1	371-02700-280	1	371-02700-250	1
	58	371-02700-217	1	371-02700-228	1	371-02700-276	1
YCAS0128	40	371-02700-214	1	371-02700-264	1	371-02700-254	1
	46	371-02700-216	1	371-02700-280	1	371-02700-250	1
	58	371-02700-217	1	371-02700-228	1	371-02700-276	1
YCAS0138	40	371-02700-214	1	371-02700-264	1	371-02700-254	1
	46	371-02700-208	1	371-02700-226	1	371-02700-250	1
	58	371-02700-217	1	371-02700-228	1	371-02700-276	1
YCAS0148	40	371-02700-214	1	371-02700-264	1	371-02700-254	1
	46	371-02700-208	1	371-02700-226	1	371-02700-250	1
	58	371-02700-217	1	371-02700-228	1	371-02700-276	1
YCAS0158	40	371-02700-215	1	371-02700-264	1	371-02700-255	1
	46	371-02700-208	1	371-02700-226	1	371-02700-250	1
	58	371-02700-209	1	371-02700-228	1	371-02700-251	1
YCAS0178	40	371-02700-245	1	371-02700-275	1	371-02700-255	1
	46	371-02700-218	1	371-02700-226	1	371-02700-250	1
	58	371-02700-209	1	371-02700-227	1	371-02700-251	1
YCAS0198	40	371-02700-245	1	371-02700-275	1	371-02700-255	1
	46	371-02700-218	1	371-02700-226	1	371-02700-253	1
	58	371-02700-209	1	371-02700-227	1	371-02700-251	1
YCAS0208	40	371-02700-245	1	371-02700-275	1	371-02700-255	1
	46	371-02700-206	1	371-02700-224	1	371-02700-253	1
	58	371-02700-209	1	371-02700-227	1	371-02700-251	1

OPTION PANEL IDENTIFIERS - CONT'D

TABLE 18 – OPTION PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER BELOW, THEN REFER TO HIGHLIGHTED ROW ON TABLE 19, AND FIGS. 26 AND 27 ON PAGES 63 AND 64)

*** SINGLE POINT SUPPLY TERMINAL BLOCK OR NF DISCONNECT SWITCH W/ SEPARATE SYSTEM CIRCUIT BREAKERS - ACROSS THE LINE OR WYE DELTA START WITH CONTROL TRANSFORMER.**

Model	Code	Terminal Block	Qty.	NF Disc. Switch	Qty.	Circuit Breaker	Qty.
YCAS0098	17	371-02700-203	1	371-02700-277	1	—	—
	28	371-02700-212	1	371-02700-278	1	—	—
	40	371-02700-214	1	371-02700-279	1	—	—
	46	371-02700-216	1	371-02700-280	1	—	—
	58	371-02700-217	1	371-02700-228	1	—	—
YCAS0118	17	371-02700-205	1	371-02700-277	1	—	—
	28	371-02700-213	1	371-02700-222	1	—	—
	40	371-02700-214	1	371-02700-264	1	—	—
	46	371-02700-216	1	371-02700-280	1	—	—
	58	371-02700-217	1	371-02700-228	1	—	—
YCAS0128	17	371-02700-205	1	371-02700-277	1	—	—
	28	371-02700-213	1	371-02700-222	1	—	—
	40	371-02700-214	1	371-02700-264	1	—	—
	46	371-02700-216	1	371-02700-280	1	—	—
	58	371-02700-217	1	371-02700-228	1	—	—
YCAS0138	17	371-02700-205	1	371-02700-220	1	—	—
	28	371-02700-202	1	371-02700-222	1	—	—
	40	371-02700-214	1	371-02700-264	1	—	—
	46	371-02700-208	1	371-02700-226	1	—	—
	58	371-02700-217	1	371-02700-228	1	—	—
YCAS0148	17	371-02700-205	1	371-02700-220	1	—	—
	28	371-02700-202	1	371-02700-222	1	—	—
	40	371-02700-214	1	371-02700-264	1	—	—
	46	371-02700-208	1	371-02700-226	1	—	—
	58	371-02700-217	1	371-02700-228	1	—	—
YCAS0158	17	371-02700-210	1	371-02700-220	1	—	—
	28	371-02700-202	1	371-02700-221	1	—	—
	40	371-02700-215	1	371-02700-264	1	—	—
	46	371-02700-208	1	371-02700-226	1	—	—
	58	371-02700-209	1	371-02700-228	1	—	—
YCAS0178	17	371-02700-200	1	371-02700-229	1	—	—
	28	371-02700-211	1	371-02700-221	1	—	—
	40	371-02700-245	1	371-02700-275	1	—	—
	46	371-02700-218	1	371-02700-226	1	—	—
	58	371-02700-209	1	371-02700-227	1	—	—
YCAS0198	17	371-02700-222	1	371-02700-229	1	—	—
	28	371-02700-211	1	371-02700-221	1	—	—
	40	371-02700-245	1	371-02700-275	1	—	—
	46	371-02700-218	1	371-02700-226	1	—	—
	58	371-02700-209	1	371-02700-227	1	—	—
YCAS0208	17	371-02700-200	1	371-02700-229	1	—	—
	28	371-02700-201	1	371-02700-230	1	—	—
	40	371-02700-245	1	371-02700-275	1	—	—
	46	371-02700-206	1	371-02700-224	1	—	—
	58	371-02700-209	1	371-02700-227	1	—	—

OPTION PANEL IDENTIFIERS - CONT'D

TABLE 18 – OPTION PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER BELOW, THEN REFER TO HIGHLIGHTED ROW ON TABLE 19, AND FIGS. 26 AND 27 ON PAGES 63 AND 64)

*** SINGLE POINT SUPPLY TERMINAL BLOCK, NF DISCONNECT SWITCH OR CIRCUIT BREAKERS - ACROSS THE LINE START WITHOUT CONTROL TRANSFORMER.**

Model	Code	Terminal Block	Qty.	NF Disc. Switch	Qty.	Circuit Breaker	Qty.
YCAS0098	40	371-02700-145	1	371-02700-113	1	371-02700-126	1
	46	371-02700-116	1	371-02700-113	1	371-02700-126	1
	58	371-02700-116	1	371-02700-113	1	371-02700-126	1
YCAS0118	40	371-02700-145	1	371-02700-140	1	371-02700-150	1
	46	371-02700-116	1	371-02700-113	1	371-02700-150	1
	58	371-02700-116	1	371-02700-113	1	371-02700-126	1
YCAS0128	40	371-02700-145	1	371-02700-140	1	371-02700-150	1
	46	371-02700-116	1	371-02700-113	1	371-02700-150	1
	58	371-02700-116	1	371-02700-113	1	371-02700-126	1
YCAS0138	40	371-02700-145	1	371-02700-140	1	371-02700-150	1
	46	371-02700-145	1	371-02700-140	1	371-02700-150	1
	58	371-02700-116	1	371-02700-113	1	371-02700-126	1
YCAS0148	40	371-02700-145	1	371-02700-140	1	371-02700-150	1
	46	371-02700-145	1	371-02700-113	1	371-02700-150	1
	58	371-02700-116	1	371-02700-113	1	371-02700-126	1
YCAS0158	40	371-02700-112	1	371-02700-140	1	371-02700-151	1
	46	371-02700-145	1	371-02700-140	1	371-02700-150	1
	58	371-02700-145	1	371-02700-113	1	371-02700-150	1
YCAS0178	40	371-02700-146	1	371-02700-141	1	371-02700-151	1
	46	371-02700-112	1	371-02700-140	1	371-02700-150	1
	58	371-02700-145	1	371-02700-140	1	371-02700-150	1
YCAS0198	40	371-02700-146	1	371-02700-141	1	371-02700-151	1
	46	371-02700-112	1	371-02700-140	1	371-02700-151	1
	58	371-02700-145	1	371-02700-140	1	371-02700-150	1
YCAS0208	40	371-02700-146	1	371-02700-141	1	371-02700-151	1
	46	371-02700-146	1	371-02700-141	1	371-02700-151	1
	58	371-02700-145	1	371-02700-140	1	371-02700-150	1

OPTION PANEL IDENTIFIERS - CONT'D

TABLE 18 – OPTION PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER BELOW, THEN REFER TO HIGHLIGHTED ROW ON TABLE 19, AND FIGS. 26 AND 27 ON PAGES 63 AND 64)

*** SINGLE POINT SUPPLY TERMINAL BLOCK OR NF DISCONNECT SWITCH W/ SEPARATE SYSTEM CIRCUIT BREAKERS - ACROSS THE LINE OR WYE DELTA START WITHOUT CONTROL TRANSFORMER.**

Model	Code	Terminal Block	Qty.	NF Disc. Switch	Qty.	Circuit Breaker	Qty.
YCAS0098	17	371-02700-146	1	371-02700-141	1	—	—
	28	371-02700-112	1	371-02700-140	1	—	—
	40	371-02700-145	1	371-02700-113	1	—	—
	46	371-02700-116	1	371-02700-113	1	—	—
	58	371-02700-116	1	371-02700-113	1	—	—
YCAS0118	17	371-02700-147	1	371-02700-141	1	—	—
	28	371-02700-146	1	371-02700-141	1	—	—
	40	371-02700-145	1	371-02700-140	1	—	—
	46	371-02700-116	1	371-02700-113	1	—	—
	58	371-02700-116	1	371-02700-113	1	—	—
YCAS0128	17	371-02700-147	1	371-02700-141	1	—	—
	28	371-02700-146	1	371-02700-141	1	—	—
	40	371-02700-145	1	371-02700-140	1	—	—
	46	371-02700-116	1	371-02700-113	1	—	—
	58	371-02700-116	1	371-02700-113	1	—	—
YCAS0138	17	371-02700-147	1	371-02700-110	1	—	—
	28	371-02700-147	1	371-02700-141	1	—	—
	40	371-02700-145	1	371-02700-140	1	—	—
	46	371-02700-145	1	371-02700-140	1	—	—
	58	371-02700-116	1	371-02700-113	1	—	—
YCAS0148	17	371-02700-147	1	371-02700-110	1	—	—
	28	371-02700-147	1	371-02700-141	1	—	—
	40	371-02700-145	1	371-02700-140	1	—	—
	46	371-02700-145	1	371-02700-140	1	—	—
	58	371-02700-116	1	371-02700-113	1	—	—
YCAS0158	17	371-02700-111	1	371-02700-110	1	—	—
	28	371-02700-147	1	371-02700-110	1	—	—
	40	371-02700-112	1	371-02700-140	1	—	—
	46	371-02700-145	1	371-02700-140	1	—	—
	58	371-02700-145	1	371-02700-113	1	—	—
YCAS0178	17	371-02700-100	1	371-02700-114	1	—	—
	28	371-02700-111	1	371-02700-110	1	—	—
	40	371-02700-146	1	371-02700-141	1	—	—
	46	371-02700-112	1	371-02700-140	1	—	—
	58	371-02700-145	1	371-02700-140	1	—	—
YCAS0198	17	371-02700-100	1	371-02700-114	1	—	—
	28	371-02700-111	1	371-02700-110	1	—	—
	40	371-02700-146	1	371-02700-141	1	—	—
	46	371-02700-112	1	371-02700-140	1	—	—
	58	371-02700-145	1	371-02700-140	1	—	—
YCAS0208	17	371-02700-100	1	371-02700-114	1	—	—
	28	371-02700-100	1	371-02700-114	1	—	—
	40	371-02700-146	1	371-02700-141	1	—	—
	46	371-02700-146	1	371-02700-141	1	—	—
	58	371-02700-145	1	371-02700-140	1	—	—

OPTION PANEL COMPONENTS

TABLE 19 – OPTIONS PANEL COMPONENTS (SEE FIGS. 26 AND 27, PAGES 63 AND 64)

ITEM	DESCRIPTION	QUANTITY	371-02700-100	371-02700-110	371-02700-111	371-02700-112	371-02700-113	371-02700-114	371-02700-116	371-02700-126	371-02700-140
4A			See Fig. 27	See Fig. 26	See Fig. 27	See Fig. 27	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26
	Terminal Block	3, 6 or 9	025-34405-000	—	025-34408-000	025-34454-000	—	—	—	—	—
	NF Disconnect Switch	1	—	024-31889-000	—	—	024-30963-000	024-25241-000	—	—	024-30964-000
	Circuit Breaker	1	—	—	—	—	—	—	025-34419-000	025-34419-000	—
4B	Handle Kit	1	—	025-34413-000	—	—	025-34417-000	025-34411-000	025-34417-000	025-34417-000	025-34417-000
4C	Lug Kit	1	—	025-34415-000	—	—	025-34418-000	025-34412-000	025-34418-000	025-34418-000	025-34420-000
4D	Lug Kits with Power Tap	1	—	024-31653-000	—	—	024-31650-000	024-31655-000	024-31650-000	024-31650-000	024-31652-000
4E	Insertion Bridge	3	025-34426-000	025-34422-000	025-34422-000	025-35646-000	—	—	—	—	—
1C	Switch, Control Power	1	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000
1D	Shaft, Control Power Sw.	1	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000
1E	Handle, Control Power Sw.		024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000
2B	Transformer	1	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000	025-30889-000
2A	Fuse	2	—	—	—	—	—	—	—	—	—

ITEM	DESCRIPTION	QUANTITY	371-02700-141	371-02700-145	371-02700-146	371-02700-147	371-02700-150	371-02700-151
4A			See Fig. 26	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 26	See Fig. 26
	Terminal Block	3, 6 or 9	—	025-34405-000	025-34408-000	025-34405-000	—	—
	NF Disconnect Switch	1	024-30965-000	—	—	—	—	—
	Circuit Breaker	1	—	—	—	—	025-34425-000	025-34424-000
4B	Handle Kit	1	025-34413-000	—	—	—	025-34413-000	025-34417-000
4C	Lug Kit	1	025-34414-000	—	—	—	025-34414-000	025-34420-000
4D	Lug Kits with Power Tap	1	024-31654-000	—	—	—	024-31654-000	024-31652-000
4E	Insertion Bridge	3	—	—	—	—	—	—
1C	Switch, Control Power	1	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000
1D	Shaft, Control Power Sw.	1	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000
1E	Handle, Control Power Sw.		024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000
2B	Transformer	1	025-30889-000	025-30889-000	025-30889-000	025-34432-000	025-34429-000	025-34436-000
2A	Fuse	2	—	—	—	—	025-34430-000	025-34435-000

NOTE: Hi-lighted numbers refer to TABLE 18 - Option Panel Identifiers on Pages 55 - 58.

OPTION PANEL COMPONENTS - CONT'D

TABLE 19 – OPTIONS PANEL COMPONENTS (SEE FIGS. 26 AND 27, PAGES 63 AND 64)

ITEM	DESCRIPTION	QUANTITY	371-02700-200	371-02700-201	371-02700-202	371-02700-204	371-02700-206	371-02700-207	371-02700-208	371-02700-209	371-02700-210
4A			See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 26
	Terminal Block	3, 6 or 9	025-34405-000	025-34405-000	025-34405-000	025-34405-000	025-34408-000	025-34408-000	025-34405-000	025-34405-000	025-34408-000
	NF Disconnect Switch	1	—	—	—	—	—	—	—	—	—
	Circuit Breaker	1	—	—	—	—	—	—	—	—	—
4B	Handle Kit	1	—	—	—	—	—	—	—	—	—
4C	Lug Kit	1	—	—	—	—	—	—	—	—	—
4D	Lug Kits with Power Tap	1	—	—	—	—	—	—	—	—	—
4E	Insertion Bridge	3	025-34426-000	025-34426-000	025-34423-000	025-34423-000	025-34422-000	025-34422-000	—	—	025-34497-000
1C	Switch, Control Power	1	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000
1D	Shaft, Control Power Sw.	1	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000
1E	Handle, Control Power Sw.		024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000
2B	Transformer	1	025-34429-000	025-34429-000	025-34429-000	025-34429-000	025-34429-000	025-34432-000	025-34429-000	025-34430-000	025-34434-000
2A	Fuse	2	025-34433-000	025-34428-000	025-34428-000	025-34430-000	025-34430-000	025-34431-000	025-34430-000	025-34431-000	025-34433-000

ITEM	DESCRIPTION	QUANTITY	371-02700-211	371-02700-212	371-02700-213	371-02700-214	371-02700-215	371-02700-216	371-02700-217	371-02700-218	371-02700-220
4A			See Fig. 26	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 26
	Terminal Block	3, 6 or 9	025-34408-000	025-34454-000	025-34408-000	025-34405-000	025-34454-000	024-34408-000	025-34454-000	025-34454-000	—
	NF Disconnect Switch	1	—	—	—	—	—	—	—	—	024-31889-000
	Circuit Breaker	1	—	—	—	—	—	—	—	—	—
4B	Handle Kit	1	—	—	—	—	—	—	—	—	025-34413-000
4C	Lug Kit	1	—	—	—	—	—	—	—	—	025-34415-000
4D	Lug Kits with Power Tap	1	—	—	—	—	—	—	—	—	024-31653-000
4E	Insertion Bridge	3	025-34497-000	025-35646-000	025-34422-000	—	025-35646-000	025-35646-000	—	025-35646-000	—
1C	Switch, Control Power	1	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000
1D	Shaft, Control Power Sw.	1	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000
1E	Handle, Control Power Sw.	1	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000
2B	Transformer	1	025-34429-000	025-34427-000	025-34429-000	025-34436-000	025-34436-000	025-34429-000	025-34432-000	025-34429-000	025-34434-000
2A	Fuse	2	025-34428-000	025-34428-000	025-34428-000	025-34435-000	025-34435-000	025-34430-000	025-34431-000	025-34430-000	025-34433-000

NOTE: Hi-lighted numbers refer to TABLE 18 - Option Panel Identifiers on Pages 55 - 58.

OPTION PANEL COMPONENTS - CONT'D

TABLE 19 – OPTIONS PANEL COMPONENTS (SEE FIGS. 26 AND 27, PAGES 63 AND 64)

ITEM	DESCRIPTION	QUANTITY	371-02700-221	371-02700-222	371-02700-224	371-02700-226	371-02700-227	371-02700-228	371-02700-229	371-02700-230	371-02700-245
4A			See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 27
	Terminal Block	3, 6 or 9	—	—	—	—	—	—	—	—	025-34408-000
	NF Disconnect Switch	1	024-31889-000	024-30965-000	024-30965-000	024-25241-000	024-30963-000	024-30963-000	—	024-25241-000	—
	Circuit Breaker	1	—	—	—	—	—	—	025-34424-000	—	—
4B	Handle Kit	1	025-34413-000	025-34413-000	025-34413-000	025-34411-000	025-34417-000	025-34417-000	025-34417-000	025-34411-000	—
4C	Lug Kit	1	025-34415-000	025-34414-000	025-34414-000	025-34412-000	025-34418-000	025-34418-000	025-34420-000	025-34412-000	—
4D	Lug Kits with Power Tap	1	024-31653-000	024-31654-000	024-31654-000	024-31655-000	024-31650-000	024-31650-000	024-31652-000	024-31655-000	—
4E	Insertion Bridge	3	—	—	—	—	—	—	—	—	025-34422-000
1C	Switch, Control Power	1	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000
1D	Shaft, Control Power Sw.	1	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000
1E	Handle, Control Power Sw.	1	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000
2B	Transformer	1	025-34434-000	025-34429-000	025-34429-000	025-34434-000	025-34432-000	025-34432-000	025-34429-000	025-34429-000	025-34436-000
2A	Fuse	2	025-34433-000	025-34428-000	025-34430-000	025-34433-000	025-34431-000	025-34431-000	025-34430-000	025-34428-000	025-34435-000

ITEM	DESCRIPTION	QUANTITY	371-02700-250	371-02700-251	371-02700-253	371-02700-254	371-02700-255	371-02700-256	371-02700-257	371-02700-264	371-02700-275
4A			See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26	See Fig. 26
	Terminal Block	3	—	—	—	—	—	—	—	—	—
	NF Disconnect Switch	1	—	—	—	—	—	—	—	024-30964-000	024-30965-000
	Circuit Breaker	1	025-34424-000	025-34424-000	025-34425-000	025-34424-000	025-34425-000	025-34419-000	025-34419-000	—	—
4B	Handle Kit	1	025-34417-000	025-34417-000	025-34413-000	025-34417-000	025-34413-000	024-31878-000	024-31878-000	025-34417-000	025-34413-000
4C	Lug Kit	1	025-34420-000	025-34420-000	025-34414-000	025-34420-000	025-34414-000	025-34418-000	025-34418-000	025-34420-000	025-34414-000
4D	Lug Kits with Power Tap	1	024-31652-000	024-31652-000	024-31654-000	024-31652-000	024-31654-000	024-31650-000	024-31650-000	024-31652-000	024-31654-000
4E	Insertion Bridge	3	—	—	—	—	—	—	—	—	—
1C	Switch, Control Power	1	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000
1D	Shaft, Control Power Sw.	1	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000
1E	Handle, Control Power Sw.		024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000
2B	Transformer	1	025-34429-000	025-34432-000	025-34429-000	025-34436-000	025-34436-000	025-34436-000	025-34436-000	025-34436-000	025-34436-000
2A	Fuse	2	025-34430-000	025-34431-000	025-34430-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000	025-34435-000

NOTE: Hi-lighted numbers refer to TABLE 18 - Option Panel Identifiers on Pages 55 - 58.

OPTION PANEL COMPONENTS - CONT'D

TABLE 19 – OPTIONS PANEL COMPONENTS (SEE FIGS. 26 AND 27, PAGES 63 AND 64)

ITEM	DESCRIPTION	QUANTITY	371-02700-276	371-02700-277	371-02700-278	371-02700-279	371-02700-280
4A			See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27	See Fig. 27
	Terminal Block	3	025-34408-000	025-34408-000	025-34408-000	025-34405-000	025-34405-000
	NF Disconnect Switch	1	—	—	—	—	—
	Circuit Breaker	1	—	—	—	—	—
4B	Handle Kit	1	—	—	—	—	—
4C	Lug Kit	1	—	—	—	—	—
4D	Lug Kits with Power Tap	1	—	—	—	—	—
4E	Insertion Bridge	3	025-34423-000	025-34422-000	025-34422-000	—	—
1C	Switch, Control Power	1	024-31833-000	024-31833-000	024-31833-000	024-31833-000	024-31833-000
1D	Shaft, Control Power Sw.	1	024-31633-000	024-31633-000	024-31633-000	024-31633-000	024-31633-000
1E	Handle, Control Power Sw.		024-31832-000	024-31832-000	024-31832-000	024-31832-000	024-31832-000
2B	Transformer	1	025-34429-000	025-34429-000	025-34432-000	025-34429-000	025-34432-000
2A	Fuse	2	025-34430-000	025-34430-000	025-34431-000	025-34430-000	025-34431-000

NOTE: Hi-lighted numbers refer to TABLE 18 - Option Panel Identifiers on Pages 55 - 58.

OPTION PANEL COMPONENTS - CONT'D

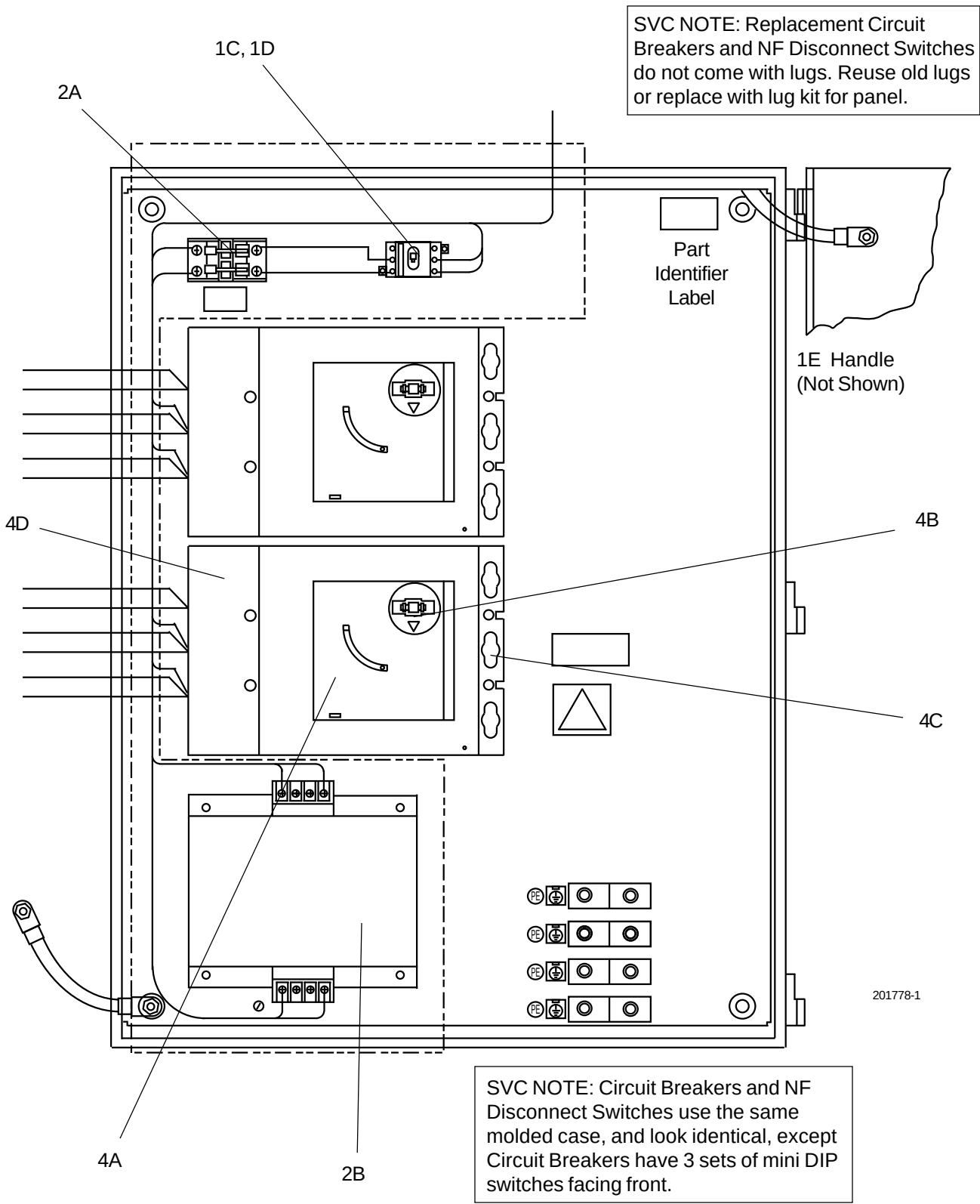


FIG. 26 – OPTION PANEL SHOWN WITH CIRCUIT BREAKER OR NON-FUSED DISCONNECT SWITCH (REF. TABLE 19, PAGES 59 - 62)

OPTION PANEL COMPONENTS - CONT'D

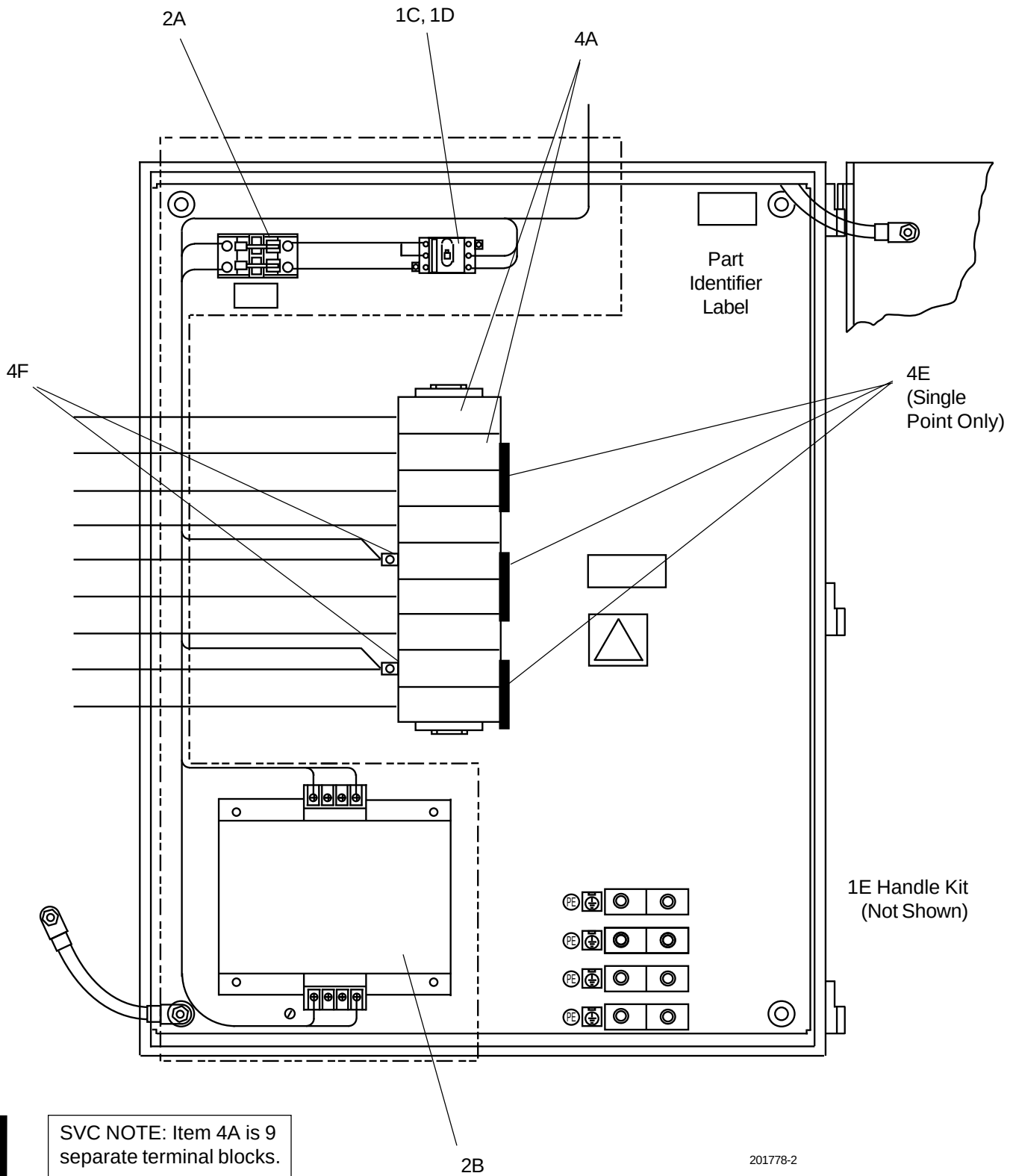


FIG. 27 – OPTION PANEL SHOWN WITH POWER TERMINAL BLOCK
(REF. TABLE 19, PAGES 59 - 62)

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TABLE 20 – FIELD INSTALLABLE OPTIONS TABLE

MODEL NUMBER YCAS - F	VIBRATION ISOLATORS SPRING 1" DEFLEC* CU/AL	VIBRATION ISOLATORS SPRING 2" (SEISMIC) CU/AL	VIBRATION ISOLATOR PAD 1/2" DEFLEC CU/AL	VIBRATION ISOLATORS SPRING 1" DEFLEC* CU/CU	VIBRATION ISOLATORS SPRING 2" (SEISMIC) CU/CU	VIBRATION ISOLATOR PAD 1/2"DEFLEC CU/CU	WIRE ENCLOSURE FULL UNIT	LOUVERED ENCLOSURE FULL UNIT	WIRE/ LOUVERED ENCLOSURE FULL UNIT	LOUVERED ENCLOSURE CONDENSER ONLY	BAS/EMS CURRENT/TEMP INTERFACE KIT	REMOTE CONTROL PANEL 60Hz
MODEL NO.	029-23707	029-23705	029-23706	029-23707	029-23705	029-23706	375-29513	375-30184	375-29515	375-29516	371-02492	371-02485
0098	-120	-202	-009	-150	-216	-055	-012	-012	-012	-012	-101 & -102	-102
0118	-120	-202	-009	-150	-216	-055	-012	-012	-012	-012	-101 & -102	-102
0128	-121	-228	-004	-124	-265	-005	-016	-016	-016	-016	-101 & -102	-102
0138	-122	-229	-004	-124	-266	-005	-016	-016	-016	-016	-101 & -102	-102
0148	-112	-231	-019	-124	-326	-005	-016	-016	-016	-016	-101 & -102	-102
0158	-112	-231	-019	-124	-326	-005	-016	-016	-016	-016	-101 & -102	-102
0178	-112	-231	-019	-124	-326	-005	-016	-016	-016	-016	-101 & -102	-102
0198	-124	-232	-005	-152	-285	-005	-020	-020	-020	-020	-101 & -102	-102
0208	-125	-232	-005	-152	-285	-005	-020	-020	-020	-020	-101 & -102	-102

* Note Tubing and Fin Coil Material – Copper Coils (Cu/Cu) are much heavier than aluminum (Al).

ENCLOSURE KIT OPTIONS – FULL UNIT

(Includes Top and Bottom Sections)

TABLE 21 – ENCLOSURE KIT OPTIONS (Includes Top and Bottom Sections)

MODEL NUMBER	WIRE ENCLOSURE FULL UNIT*	LOUVERED ENCLOSURE FULL UNIT*	WIRE / LOUVERED ENCLOSURE FULL UNIT*	LOUVERED ENCLOSURE CONDENSER ONLY
YCAS - F	375-29513-	375-30184-	375-29515-	375-29516-
0098	012	012	012	012
0118	012	012	012	012
0128	016	016	016	016
0138	016	016	016	016
0148	016	016	016	016
0158	016	016	016	016
0178	016	016	016	016
0198	020	020	020	020
0208	020	020	020	020

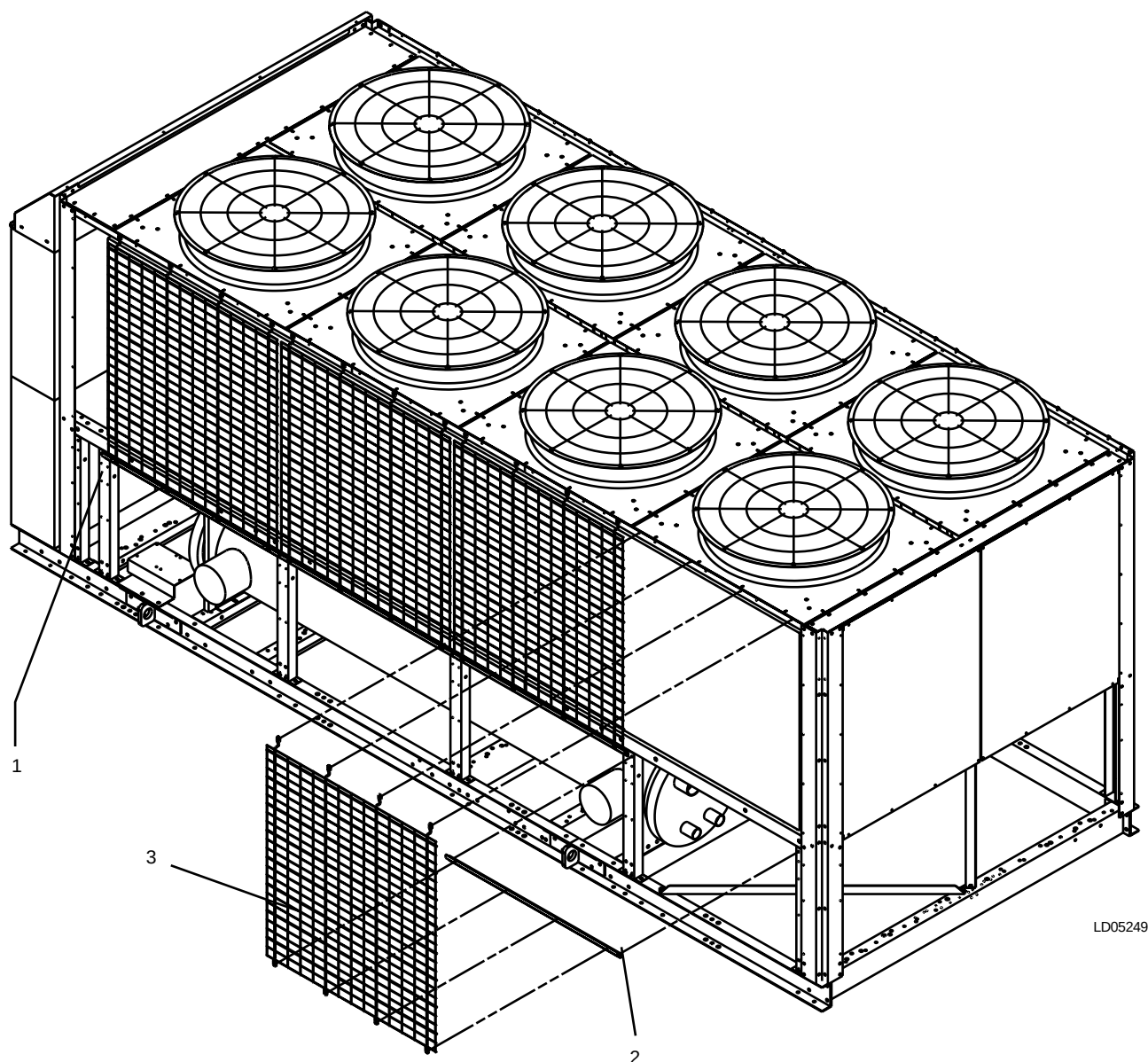
* Full units include top and bottom sections listed in Table 16. Top or bottom sections may be ordered separately if desired.

TABLE 22 – ENCLOSURE KIT OPTIONS – TOP AND BOTTOM KITS AVAILABLE SEPARATELY

FULL UNIT KIT OPTION NUMBER INCLUDES THE FOLLOWING TOP AND BOTTOM SECTION KITS			
TYPE	FULL UNIT KIT NO.	TOP KIT NO.	BOTTOM KIT NO.
WIRE	375-29513-012	375-29569-120 (FIG. 28)	375-29569-121 (FIG. 29)
WIRE	375-29513-016	375-29569-160 (FIG. 28)	375-29569-161 (FIG. 29)
WIRE	375-29513-020	375-29569-200 (FIG. 28)	375-29569-201 (FIG. 29)
LOUVER	375-30184-012	375-29571-120 (FIG. 30)	375-30182-121 (FIG. 31)
LOUVER	375-30184-016	375-29571-160 (FIG. 30)	375-30182-161 (FIG. 31)
LOUVER	375-30184-020	375-29571-200 (FIG. 30)	375-30182-201 (FIG. 31)
W/L	375-29515-012	375-29571-120	375-29569-121
W/L	375-29515-016	375-29571-160	375-29569-161
W/L	375-29515-020	375-29571-200	375-29569-201
LOUVER	375-29516-012	375-29571-120	N/A
LOUVER	375-29516-016	375-29571-160	N/A
LOUVER	375-29516-020	375-29571-200	N/A

- Top and Bottom may be ordered separately.
- Individual parts are shown on the following pages.

WIRE ENCLOSURE TOP SECTION PARTS BREAKDOWN



LD05249

FIG. 28 – TOP SECTION - WIRE ENCLOSURE - KIT NO. 375-29569-160 IS SHOWN.

TABLE 23 – TOP SECTION - WIRE ENCLOSURE

TOP WIRE ENCLOSURE COMPONENTS - KITS 375-29569-120, 160 AND 200			
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	2	Z CHANNEL	075-29588-000
2	a	Z CHANNEL DXST	075-29589-000
3	b	WIRE GRILL CONDENSER DXST	026-36533-000
	1	HARDWARE KIT	c

a For kit no. 375-29569-120: quantity is 4

a For kit no. 375-29569-160: quantity is 6

a For kit no. 375-29569-200: quantity is 8

b For kit no. 375-29569-120: quantity is 6

b For kit no. 375-29569-160: quantity is 8

b For kit no. 375-29569-200: quantity is 10

c For kit no. 375-29569-120: use part number **321-29569-120**c For kit no. 375-29569-160: use part number **321-29569-160**c For kit no. 375-29569-200: use part number **321-29569-200**

WIRE ENCLOSURE BOTTOM SECTION PARTS BREAKDOWN

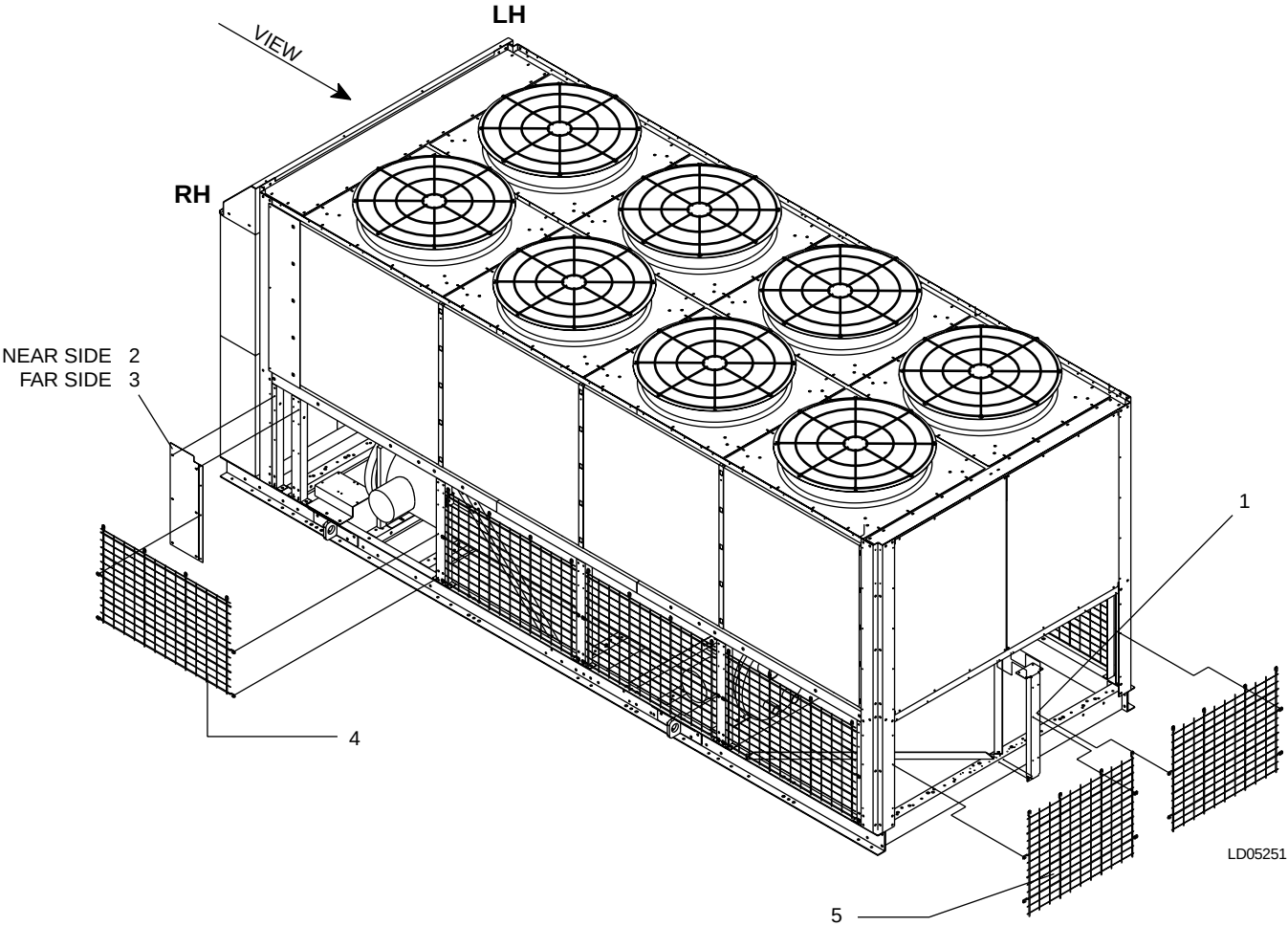


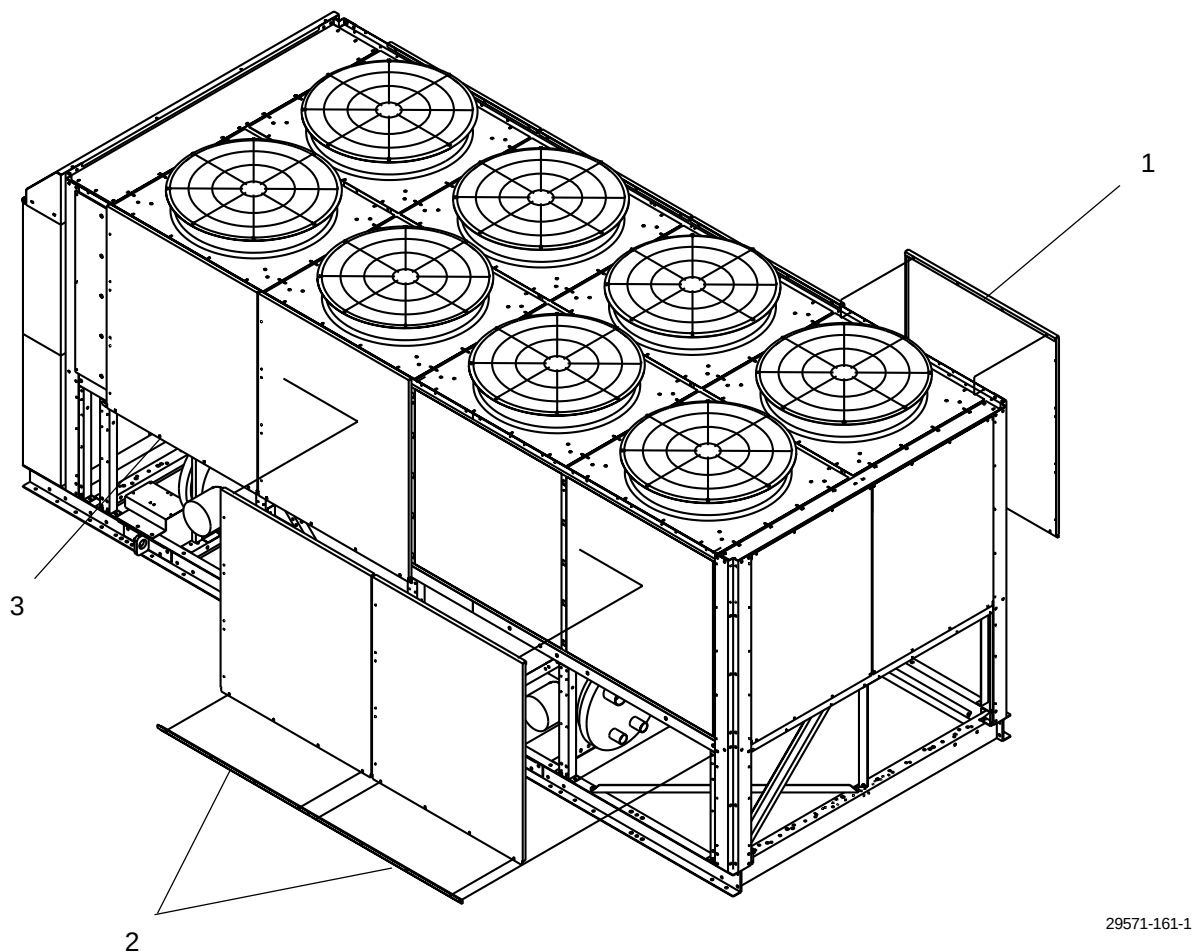
FIG. 29 – BOTTOM SECTION - WIRE ENCLOSURE - KIT NO. 375-29569-161 IS SHOWN.

TABLE 24 – BOTTOM SECTION - WIRE ENCLOSURE

BOTTOM WIRE ENCLOSURE COMPONENTS - KITS 375-29569-121, 161 AND 201			
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	REAR SUPPORT	075-29590-000
2	1	PANEL VANITY RH	075-29591-000
3	1	PANEL VANITY LH	075-29592-000
4	a	WIRE GRILL DXST	026-36534-000
5	2	WIRE GRILL REAR DXST	026-36535-000
	1	HARDWARE KIT	b

- a For kit no. 375-29569-121: quantity is 6
- a For kit no. 375-29569-161: quantity is 8
- a For kit no. 375-29569-201: quantity is 10
- b For kit no. 375-29569-121: use part number 321-29569-121
- b For kit no. 375-29569-161: use part number 321-29569-161
- b For kit no. 375-29569-201: use part number 321-29569-201

LOUVERED ENCLOSURE TOP SECTION PARTS BREAKDOWN



29571-161-1

FIG. 30 – TOP SECTION - LOUVERED PANEL ENCLOSURE - KIT NO. 375-29571-200 IS SHOWN

TABLE 25 – TOP SECTION - LOUVERED PANEL ENCLOSURE

TOP LOUVERED PANEL COMPONENTS - KITS 375-29571-120, 160 and 200			
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	a	PANEL LOUVER	075-29580-000
2	2	Z CHANNEL	075-29588-000
3	b	Z CHANNEL DXST TAMPER PROOF	075-29589-000
	1	HARDWARE KIT	c

a For kit no. 375-29571-120: quantity is 6

a For kit no. 375-29571-160: quantity is 8

a For kit no. 375-29571-200: quantity is 10

b For kit no. 375-29571-120: quantity is 4

b For kit no. 375-29571-160: quantity is 6

b For kit no. 375-29571-200: quantity is 8

c For kit no. 375-29571-120: use part number **321-29571-120**

c For kit no. 375-29571-160: use part number **321-29571-160**

c For kit no. 375-29571-200: use part number **321-29571-200**

LOUVERED ENCLOSURE BOTTOM SECTION PARTS BREAKDOWN

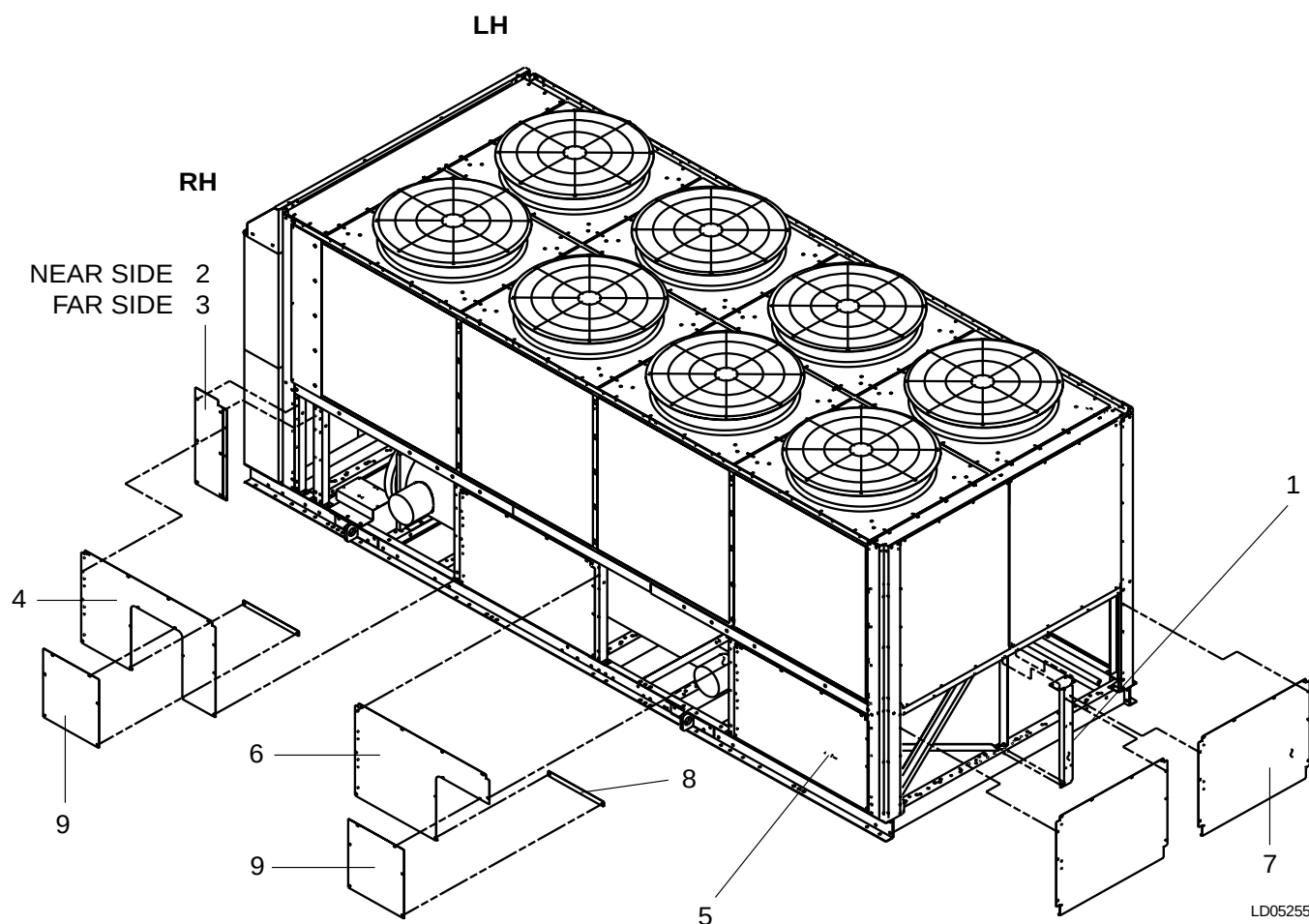


FIG. 31 – BOTTOM SECTION - LOUVERED PANEL ENCLOSURE -
KIT NO. 375-29571-161 IS SHOWN.

TABLE 26 – BOTTOM SECTION - LOUVERED PANEL ENCLOSURE

BOTTOM LOUVERED PANEL COMPONENTS - KITS 375-29571-121, 161 and 201			
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	REAR SUPPORT	075-29590-000
2	1	PANEL VANITY RH	075-29591-000
3	1	PANEL VANITY LH	075-29592-000
4	1	PANEL LOUVER	075-29582-000
5	a	PANEL LOUVER	075-29581-000
6	1	PANEL LOUVER	075-29584-000
7	2	PANEL LOUVER	075-29585-000
8	2	ANGLE SUPPORT WATER CONNECTOR	075-29587-000
9	2	PLATE WATER CONNECTOR COVER	075-29586-000

a For kit no. 375-29571-121: quantity is 4

a For kit no. 375-29571-161: quantity is 6

a For kit no. 375-29571-201: quantity is 8

REMOTE CURRENT/TEMPERATURE RESET WIRING KIT

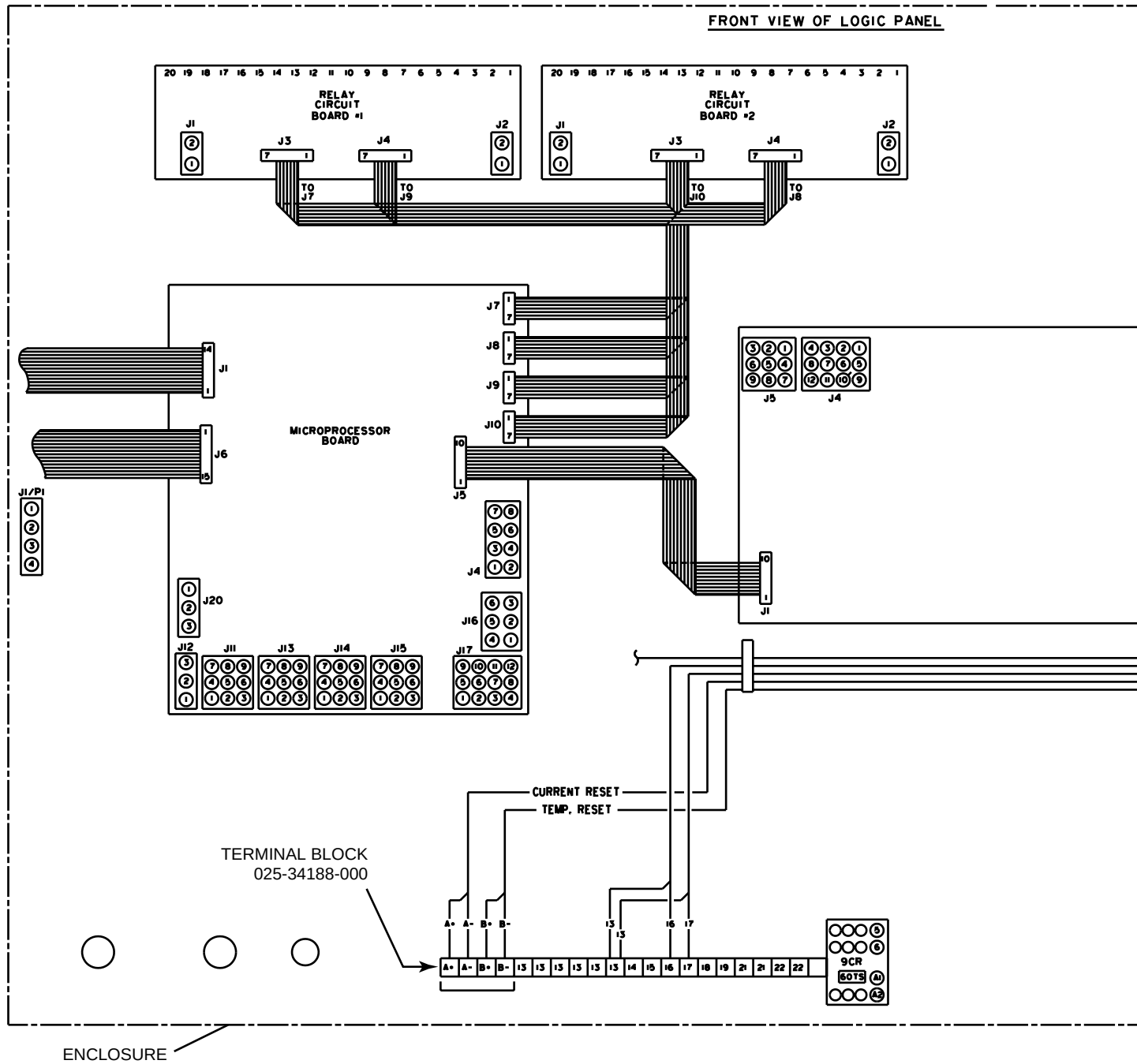


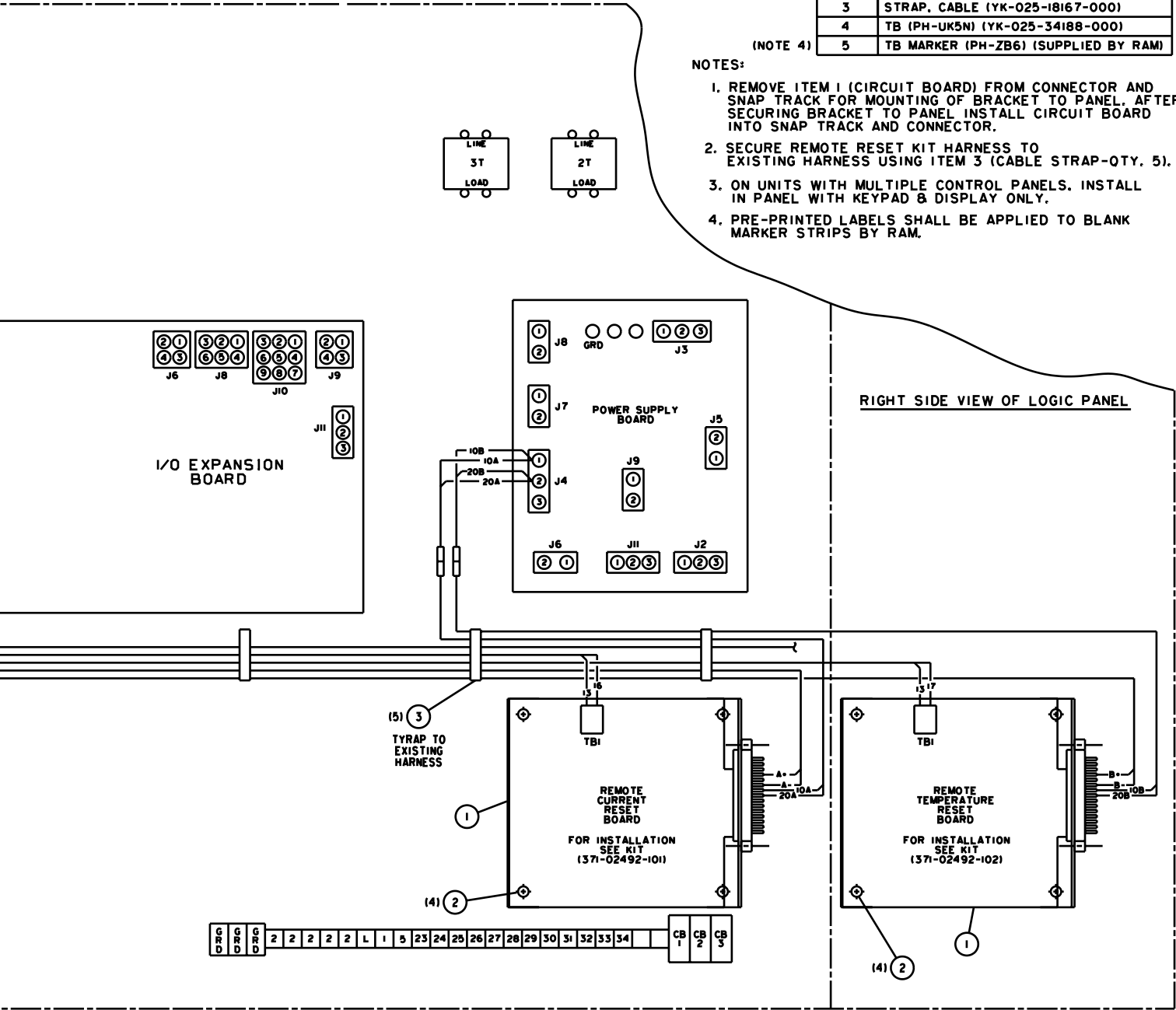
FIG. 32 – REMOTE CURRENT/TEMPERATURE RESET WIRING KIT

REMOTE CURRENT/TEMPERATURE RESET WIRING KIT

Chiller Options

ITEM	DESCRIPTION
1	CONTROL
2	SCREW, PAN HD. #10 X 1/2
3	STRAP, CABLE (YK-025-18167-000)
4	TB (PH-UK5N) (YK-025-34188-000)
5	TB MARKER (PH-ZB6) (SUPPLIED BY RAM)

- (NOTE 4)
- NOTES:
1. REMOVE ITEM 1 (CIRCUIT BOARD) FROM CONNECTOR AND SNAP TRACK FOR MOUNTING OF BRACKET TO PANEL, AFTER SECURING BRACKET TO PANEL INSTALL CIRCUIT BOARD INTO SNAP TRACK AND CONNECTOR.
 2. SECURE REMOTE RESET KIT HARNESS TO EXISTING HARNESS USING ITEM 3 (CABLE STRAP-QTY. 5).
 3. ON UNITS WITH MULTIPLE CONTROL PANELS. INSTALL IN PANEL WITH KEYPAD & DISPLAY ONLY.
 4. PRE-PRINTED LABELS SHALL BE APPLIED TO BLANK MARKER STRIPS BY RAM.



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CURRENT/TEMPERATURE RESET PARTS BREAKDOWN

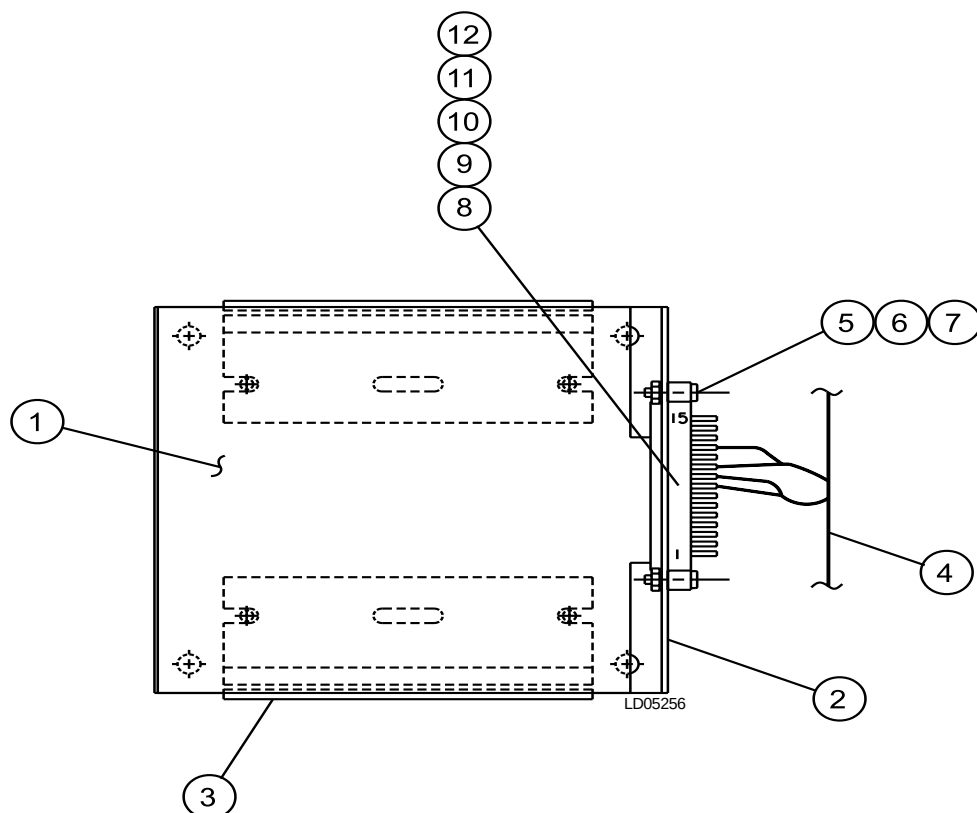


FIG. 33 – REMOTE TEMPERATURE RESET KIT

TABLE 27 – REMOTE CURRENT/TEMPERATURE RESET KIT

371-02492-101 (CURRENT) and 371-02492-102 (TEMPERATURE)			
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	CONTROL, REMOTE CURRENT/TEMP	031-00814-000
2	1	BRACKET, REMOTE CURRENT/TEMP RESET	371-01232-361
3	1	TRACK, SNAP	071-01232-363
4	1	WIRING, REMOTE CURRENT/TEMP RESET	571-02492-231*
5	2	SCREW MACH. PAN HD #4	021-17594-000
6	2	NUT HEX MACH SCREW #4 – 40 UNC-2B	021-10056-000
7	2	LKWASH HEL. SPG. #4 REG.	021-17576-000

* Refer to Table 28 below.

TABLE 28- REMOTE RESET WIRING

REF. 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 ID	025-29632-000
11	1	HGS CONNECTOR ELECTRICAL PLUG	025-32564-000*
12	1	CONNECTOR EDGE, 15 POSITION, 0.125	025-29631-000

* Was P/N 025-21137-000 prior to Spring 2000.

REMOTE CONTROL CENTER

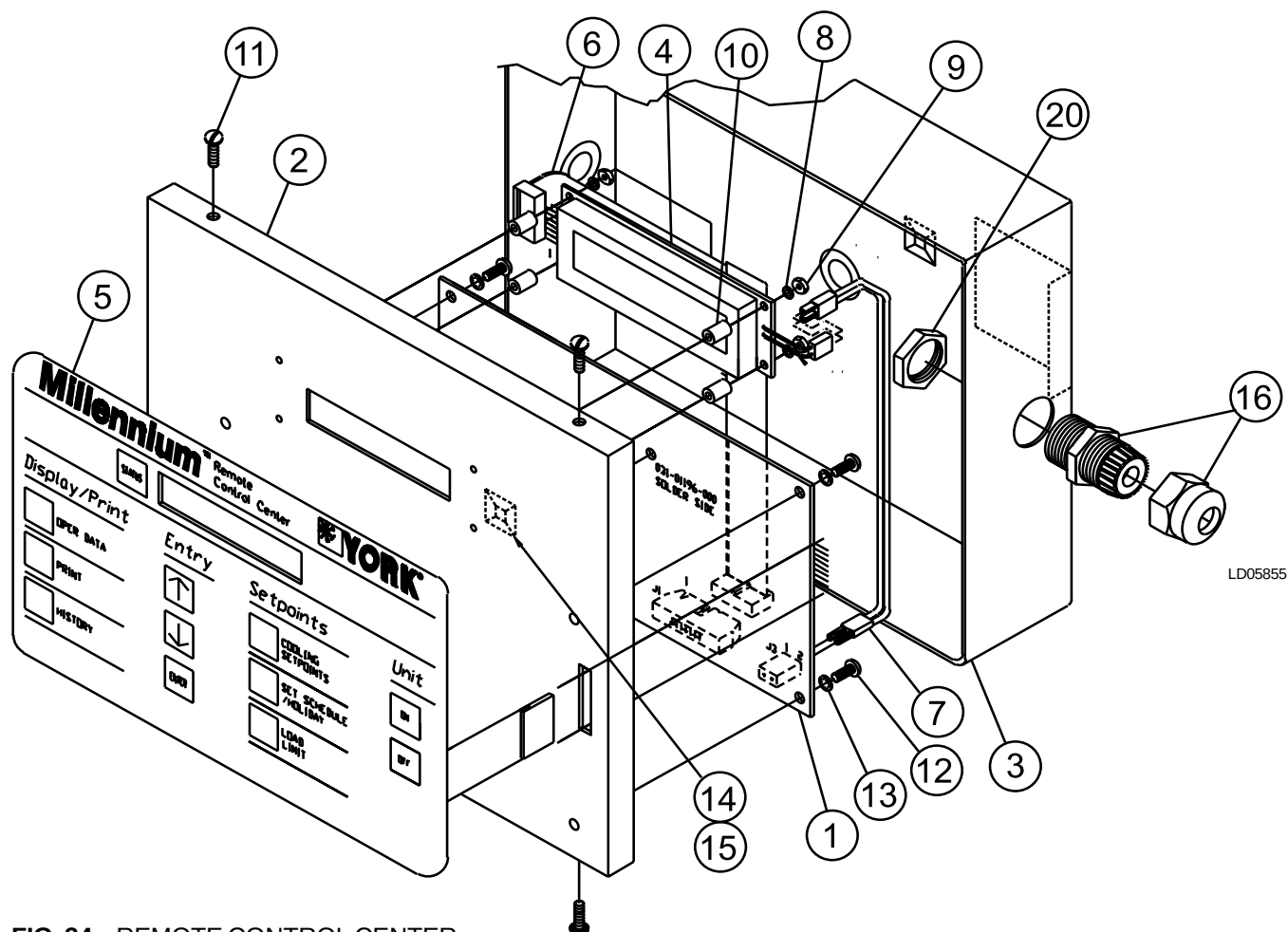


FIG. 34 – REMOTE CONTROL CENTER

TABLE 29 – REMOTE CONTROL CENTER PARTS

371-02485-105 AND 102 (50 AND 60 HZ)			
REF. NUMBER	QUANTITY	DESCRIPTION	PART NUMBER
1	1	CONTROL, MICROBOARD	031-01196-000
2	1	COVER, REMOTE CONTROL	371-02485-311
3	1	BASE, REMOTE CONTROL	071-02485-320
4	1	DISPLAY, LCD	031-01110-000
5	1	SWITCH, KEYPAD	024-30930-000
6	1	RIBBON CABLE	071-01289-211
7	1	WIRE CABLE	071-01289-212
10	4	SPACER, NYLON 1/4 OD X 7/16 LG.	021-17575-000
11	4	SCREW TAP THD. FORM TYPE AB	021-14150-000
14	3	CABLE TIE MOUNT	025-25155-000
15	5	CABLE TIE	025-18167-000
16	1	CABLE FITTING	025-31732-000
17	2	INSULATOR, RECIPAK, ROOFTOP	071-01730-000
18	2	MODULE, LAN TRANSIENT PROTECTION (LTP)	031-01586-000
19	1	INSTALLATION INSTRUCTIONS	071-01289-002
20	1	NUT, LOCKING, HEYCO-8464	
21	1	OPERATOR'S MANUAL	201.18-NM1.2

RECOMMENDED SPARE PARTS

York Model YCAS Style F 407c Air Cooled Screw Chillers

Suggested Spare Parts List for Critical Duty Applications

TABLE 30 – SPARE PARTS

PAGE REF. & ITEM NUMBER	DESCRIPTION	PART NUMBER
Page 5, Item 6	Gasket, Pass Baffle and Head	See Table 1
Page 5, Item 7	Heater, Cooler 280 Watt	See Table 1
Page 8 and 9, Item 1	Fan Motor	See Table 3
Page 8 and 9, Item 2	Fan Blade	See Table 3
Page 11, Item 1	Valve, Thermal Expansion (Cooler)	See Table 4
Page 11, Item 2	Valve, Thermal Expansion (Econom.)	See Table 4
Page 11, Item 5	Core, Dehydrator	026-18328-000
Page 11, Item 16	Coil, Solenoid	See Table 6
Page 19, Item 1	Oil filter cartridge	026-35601-000
Page 19, Item 2	O-ring for above filter	028-13849-000
Page 19, Item 3	York Type L oil, POE, 5 gal.*	011-00592-000
Page 25, Item 15	Valve, Capacity Control	025-33205-000
Page 26, Item 2	MicroBoard	031-01095-002
Page 26, Item 3	Power Supply Board	031-01094-000
Page 26, Item 4	Relay Circuit Board	031-01093-000
Page 33, Item 1	Sensor, Outside Air Temp.	025-28663-001
Page 33, Item 2	Sensor, Water Temp. (All)	025-29964-000
Page 33, Item 3	Sensor, Oil Temp.	025-30440-000
Page 33, Item 4	Sensor, Discharge Temp.	025-32924-000
Page 33, Item 5	Sensor, Suction Temp.	025-28935-000
Page 33, Item 6	HP Cut-out (USA Std.)	025-30480-000
Page 33, Item 7	Transducer, Suction 0-200 PSI	025-29583-000
Page 33, Item 8	Transducer, Discharge 0-400 PSI	025-29139-001
Page 38-51, Item 3	Motor Protector Module	024-30907-000

* Type L oil is used with both
R-22 and R-407C refrigerants.

- Chiller Paint, 12 oz. Spray
York Part #TAJ3721037 (Desert Tan)

All parts should be purchased from your local YORK Sales And Service Center
shown on inside back cover.

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YORK International Corp.
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YORK International Corp.
(504) 464-6941

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