



## AIR-COOLED SCREW LIQUID CHILLERS

RENEWAL PARTS

Supercedes: 201.23-RP3 (209)

Form: 201.23-RP3 (509)

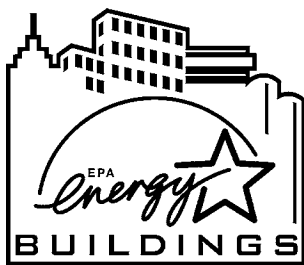
**MODELS YCIV0267, 0287, 0307, 0327, 0357 and YCIV0397  
60 HERTZ**

**MODELS YCIV1050, 1070, 1120, 1180, 1220, 1340,  
1380 and YCIV1500  
50 HERTZ**

**STYLE "A"**



Unit-7a



ALLY

**LATITUDE™**

260 - 520 TON  
R-134a



315-3-60  
460-3-60  
380/415-3-50

MODELS ONLY

## CHANGEABILITY OF THIS DOCUMENT

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

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

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### **WARNING**

#### **HIGH VOLTAGE**

**Is used in the operation of this equipment.**

**DEATH OR SERIOUS INJURY**

**may result if personnel fail to observe safety precautions.**

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

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

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

#### **LOW VOLTAGE**

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

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# UNIT NOMENCLATURE NAMEPLATE ENGINEERING DATA

## BASIC PART NUMBER

# YCIV0287EA40VAA

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	I	V	#	#	#	#	S	A	1	7		A	
: YORK : Chiller : Air Cooled V : Screw				Tons 0267/1050 P 0287/1070 E 0287/1120 V 0307/1180 0327/1220 0357/1340 0357/1380 0397/1500				Standard Standard Optimized High Efficiency High Efficiency Optimized	:R-134a	:200/3/60 :230/3/60 :380/3/60 :460/3/60 :380-415/3/50 :575/3/60 V :Variable Speed Drive			:Design Series A : :Engineering Change or PIN Level	

## PART NUMBER – LETTER CODES

16 17 18 19	20 21 22 23 24 25 26 27 28	29 30 31 32 33 34 35 36 37
POWER FIELD	CONTROLS FIELD	COMPRESSOR / PIPING FIELD
S B	X	#
X	T	#
T	C	C
O	B	S
	S	B
	F	R
	G	G
	I	
	P	
	H	
	L	
	N	
	L	
	C	

**MP** = Multiple Point  
**SP** = Single Point  
**NF** = Non-Fused  
**TB** = Terminal Block  
**CB** = Circuit Breaker

: No Ambient Kit  
 : Temp. Reset / Offset  
 : Current Reset / Offset  
 : Temp. and Current Reset / Offset  
 : Spanish LCD & Keypad Display  
 : French LCD & Keypad Display  
 : German LCD & Keypad Display  
 : Italian LCD & Keypad Display  
 : Portuguese LCD & Keypad Display  
 : Hungarian LCD & Keypad Display  
 : Polish LCD & Keypad Display  
 : Silent Night  
 : N. American Safety Code (cU.L./cETL)  
 : CE Listing  
 S : Sequence Control & Automatic Lead Transfer

: Low Temp. Brine (LBrT)  
 :  
 : Chicago Relief Code  
 : Service Isolation Valve  
 : Both Chicago Relief Code & Service Isolation Valve  
 : Dual Pressure Relief  
 : Dual Pressure Relief & Service Isolation Valve  
 H : Compressor Heater

38 39 40 41 42 43 44	45 46 47	48 49 50 51 52 53 54
EVAP. FIELD	CONDENSER FIELD	CABINET FIELD
X	X	1
D	C	3
W	B	5
V	P	7
S	E	R
D	H	N
A	D	L
E	X	H
		T
		G
		1
		S
		N

:150# PSI DWP  
 :Double Thick Insulation  
 :Weld Flange  
 :Victaulic Flange  
 :Flow Switch  
 :Diff. Press. Switch  
 :ASME Pressure Vessel Codes  
 :PED Pressure Vessel Codes  
 :Remote Cooler  
 L :Left Handed Cooler  
 R :Right Handed Cooler

: Aluminum  
 : Copper  
 : Black Fin  
 : Phenolic  
 : Epoxy  
 : Heat Recovery  
 : Desuperheater  
 X : TEAO Fan Motors

: Wire (Full Unit) Enc. Panels (factory)  
 : Wire/Louvered Enc. Panels (factory)  
 : Louvered (Cond. Only) Enc. Panels (factory)  
 : Louvered (Full Unit) Enc. Panels (factory)  
 : Reduced Noise  
 : Low Noise  
 : Ultra Quiet Fans  
 : High Static Fans  
 : Two Speed Fans  
 : High Air Flow  
 : 1" Deflection  
 : Seismic  
 N : Neoprene Pads

### 55 EXTENDED FIELD WARRANTY

X	L
B	
C	
D	M
E	
F	
G	N
H	
I	O
J	
K	P
	R

: 1 Year Parts Only  
 : 1 Year Parts & Labor  
 : 2 Year Parts Only  
 : 2 Year Parts & Labor  
 : 5 Year Parts (Comp. Only)  
 : 5 Year Parts & Labor (Comp. Only)  
 : 5 Year Unit Parts Only  
 : 5 Year Unit Parts & Labor  
 : 1 Year Unit Parts, 2 Year Unit Labor  
 : 1 Year Unit Labor, 5 Year Parts (Comp. Only)  
 : 1 Year Unit Labor, 5 Year Unit Parts

: 1 Year Unit Labor, 2 Year Unit Parts, 5 Year Parts (Comp. Only)  
 : 1 Year Unit Labor, 2 Year Unit Parts, 5 Year Parts & Labor (Comp. Only)  
 : 2 Year Unit Parts, 5 Year Parts (Comp. Only)  
 : 2 Year Unit Parts & Labor, 5 Year Parts & Labor (Comp. Only)  
 : 2 Year Unit Parts & Labor, 5 Year Unit Parts

### 56 REFRIGERANT WARRANTY

X
1
2
5

: No Refrigerant Warranty  
 : 1 Year Refrigerant  
 : 2 Year Refrigerant  
 : 5 Year Refrigerant

### 57 REFRIGERANT WARRANTY

A
E
F

: Buy American Act Compliance  
 : Export (shortened design)  
 : Buy American Act Compliance & Export (shortened design)

### 61 PLANT OF MANUFACTURE

R
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: Monterrey

### NOTES:

1. Q :DENOTES SPECIAL / S.Q.
2. # :DENOTES STANDARD
3. X :w/in OPTIONS FIELD, DENOTES NO OPTION SELECTED
4. Agency Files (i.e. U.L./ETL/CE/ARI/ETC.) will contain info. based on the first 14 characters only.
5. Plant of manufacture to include PIN 61 upon entering the chiller order.

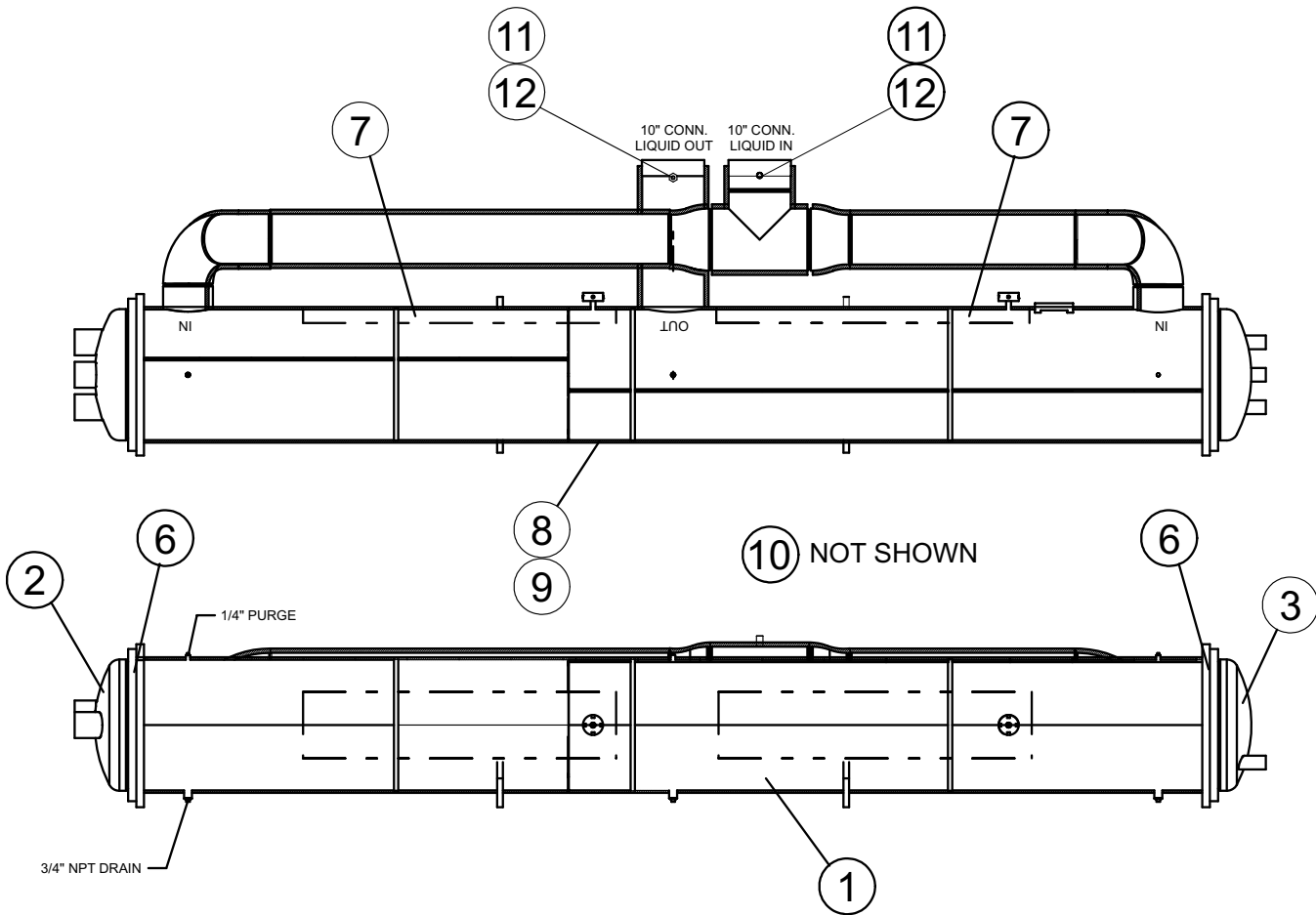
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# EVAPORATOR COMPONENTS

**Service Note:**

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

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



**Service Note:**

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

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

Differential Pressure Switch - 025-30919-000

**FIG. 1 – EVAPORATOR COMPONENTS (REF. TABLE 1, PAGE 7)**

## EVAPORATOR COMPONENTS (CONT'D)

**TABLE 1 – EVAPORATOR COMPONENTS (SEE FIG. 1, PAGE 6)**

ITEM NUMBER	QTY PER UNIT	DESCRIPTION	DWP	UNIT MODELS YCIV0267 AND YCIV1050	UNIT MODELS YCIV0287, 1070 AND YCIV1120
1	1	Evaporator, Fully Insulated with Heater	ALL	375-70668-001	375-70668-001
	1	Evaporator, less Heater & Insulation	ALL	375-70668-000	375-70668-000
2	1	Head, Connection End	ALL	375-70673-000	375-76022-000
3	1	Head, Back End	ALL	375-70669-000	375-76023-000
6	4	Gasket, Head (Neoprene)	ALL	075-59398-000	075-76021-000
6A*	10 ft.	Gasket, Bulb	ALL	N/A	028-15372-000
	4 ft.	Gasket, Channel			028-15138-000
7	2	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000
8	-	Insulation (3/4"x49"x65")	ALL	010-05997-000	010-05997-000
9	-	Insulation (1 1/2"x49"x65")		010-05998-000	010-05998-000
10	1 qt.	Adhesive (Use with #6)	ALL	013-03311-000	
11	2	Sensor, Water Temperature	ALL	025-40334-000	025-40334-000
12	2	Well, Thermo	ALL	026-33627-000	026-33427-000

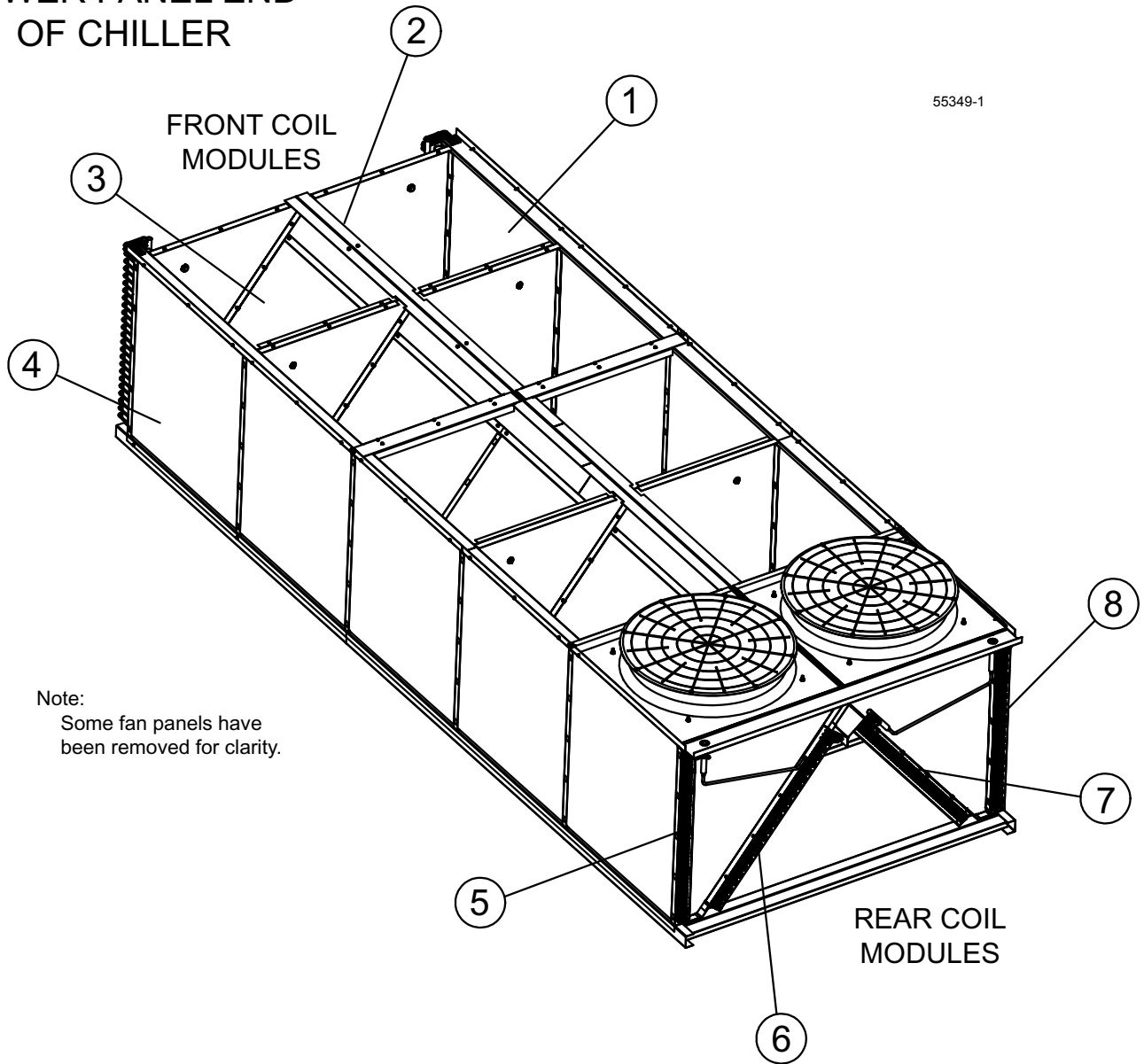
ITEM NUMBER	QTY PER UNIT	DESCRIPTION	DWP	UNIT MODELS YCIV0307, 0327, 1180 AND YCIV1220	UNIT MODELS YCIV0357, 0397, 1340, 1380 AND YCIV1500
1	1	Evaporator, Fully Insulated with Heater	ALL	375-76080-001	375-76080-001
	1	Evaporator, less Heater & Insulation	ALL	375-76080-000	375-76080-000
2	1	Head, Connection End	ALL	375-76035-000	375-76032-000
3	1	Head, Back End	ALL	375-76036-000	375-76031-000
6	2	Gasket, Front Head	ALL	075-76030-000	075-76025-000
	2	Gasket, Back End Head		075-76030-001	075-76025-001
6A*	15 ft.	Gasket, Bulb	ALL	028-15379-000	028-15364-000
	6 ft.	Gasket, Channel		028-15138-000	028-15138-000
7	2	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000
8	-	Insulation (3/4"x49"x65")	ALL	010-05997-000	010-05997-000
9	-	Insulation (1 1/2"x49"x65")		010-05998-000	010-05998-000
10	1 qt.	Adhesive (Use with #6)	ALL	013-03311-000	
11	2	Sensor, Water Temperature	ALL	025-40334-000	025-40334-000
12	2	Well, Thermo	ALL	026-33627-000	026-33627-000

**\*Note:** Bulb and Channel Gaskets (Item 6A) are obsolete and were replaced by the Neoprene Gasket (Item 6).

# CONDENSER COIL COMPONENTS

Condenser

POWER PANEL END  
OF CHILLER



55349-1

Note:  
Some fan panels have  
been removed for clarity.

**FIG. 2 – CONDENSER COIL COMPONENTS**  
(REF. TABLES 2 AND 2A, PAGES 9 THRU 12)

## CONDENSER COIL COMPONENTS (CONT'D)

**TABLE 2 – CONDENSER COIL COMPONENTS - STANDARD 'PIN 9 = S OR P'**  
(SEE FIG. 2, PAGE 8)

ITEM NUMBER	DESCRIPTION	SYSTEM	QTY	MODELS YCIV0287 AND YCIV1070	MODELS YCIV0307 AND YCIV1180	MODELS YCIV0357 AND YCIV1340	MODELS YCIV0397 AND YCIV1500
<b>ALUMINUM COILS - 'PIN 45 = X'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-55350-001	375-55350-001	375-55350-001	375-54395-001
2			1	375-55350-002	375-55350-002	375-55350-002	375-54395-002
3		Sys 2	1	375-55356-003	375-55350-003	375-55350-003	375-54395-003
4			1	375-55356-004	375-55350-004	375-55350-004	375-54395-004
5	Coil Assembly Rear Module*	Sys 3	1	375-51010-001	375-51010-001	375-51014-001	375-51014-001
6			1	375-51010-002	375-51010-002	375-51014-002	375-51014-002
7			1	375-51010-003	375-51010-003	375-51014-003	375-51014-003
8			1	375-51010-004	375-51010-004	375-51014-004	375-51014-004
<b>COPPER COILS - 'PIN 45 = C'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-55350-005	375-55350-005	375-55350-005	375-54395-005
2			1	375-55350-006	375-55350-006	375-55350-006	375-54395-006
3		Sys 2	1	375-55356-007	375-55350-007	375-55350-007	375-54395-007
4			1	375-55356-008	375-55350-008	375-55350-008	375-54395-008
5	Coil Assembly Rear Module*	Sys 3	1	375-51010-005	375-51010-005	375-51014-005	375-51014-005
6			1	375-51010-006	375-51010-006	375-51014-006	375-51014-006
7			1	375-51010-007	375-51010-007	375-51014-007	375-51014-007
8			1	375-51010-008	375-51010-008	375-51014-008	375-51014-008
<b>BLACK FIN COILS - 'PIN 45 = B'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-55350-009	375-55350-009	375-55350-009	375-54395-009
2			1	375-55350-010	375-55350-010	375-55350-010	375-54395-010
3		Sys 2	1	375-55356-011	375-55350-011	375-55350-011	375-54395-011
4			1	375-55356-012	375-55350-012	375-55350-012	375-54395-012
5	Coil Assembly Rear Module*	Sys 3	1	375-51010-009	375-51010-009	375-51014-009	375-51014-009
6			1	375-51010-010	375-51010-010	375-51014-010	375-51014-010
7			1	375-51010-011	375-51010-011	375-51014-011	375-51014-011
8			1	375-51010-012	375-51010-012	375-51014-012	375-51014-012

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

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## CONDENSER COIL COMPONENTS (CONT'D)

**TABLE 2 (CONT'D) – CONDENSER COIL COMPONENTS - STANDARD 'PIN 9 = S OR P'**  
(SEE FIG. 2, PAGE 8)

ITEM NUMBER	DESCRIPTION	SYSTEM	QTY	MODELS YCIV0287 AND YCIV1070	MODELS YCIV0307 AND YCIV1180	MODELS YCIV0357 AND YCIV1340	MODELS YCIV0397 AND YCIV1500
<b>PHENOLIC COILS - 'PIN 45 = P'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-58328-005	375-58328-005	375-58328-005	375-58328-009
2			1	375-58328-006	375-58328-006	375-58328-006	375-58328-010
3		Sys 2	1	375-58328-003	375-58328-007	375-58328-007	375-58328-011
4			1	375-58328-004	375-58328-008	375-58328-008	375-58328-012
5	Coil Assembly Rear Module*	Sys 3	1	375-58328-013	375-58328-013	375-58328-017	375-58328-017
6			1	375-58328-014	375-58328-014	375-58328-018	375-58328-018
7			1	375-58328-015	375-58328-015	375-58328-019	375-58328-019
8			1	375-58328-016	375-58328-016	375-58328-020	375-58328-020
<b>EPOXY COILS - 'PIN 45 = E'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-67024-009	375-67024-009	375-67024-009	375-67016-009
2			1	375-67024-010	375-67024-010	375-67024-010	375-67016-010
3		Sys 2	1	375-67025-011	375-67024-011	375-67024-011	375-67016-011
4			1	375-67025-012	375-67024-012	375-67024-012	375-67016-012
5	Coil Assembly Rear Module*	Sys 3	1	375-72368-001	375-72368-001	375-72369-001	375-72369-001
6			1	375-72368-002	375-72368-002	375-72369-002	375-72369-002
7			1	375-72368-003	375-72368-003	375-72369-003	375-72369-003
8			1	375-72368-004	375-72368-004	375-72369-004	375-72369-004

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

## CONDENSER COIL COMPONENTS (CONT'D)

**TABLE 2A – CONDENSER COIL COMPONENTS - HIGH EFFICIENCY 'PIN 9 = E OR V'**  
(SEE FIG. 2, PAGE 8)

ITEM NUMBER	DESCRIPTION	SYSTEM	QTY	MODELS YCIV0267 AND YCIV1050	MODELS YCIV0287 AND YCIV1120	MODELS YCIV0327 AND YCIV1220	MODELS YCIV0357 AND YCIV1380
<b>ALUMINUM FIN COILS - 'PIN 45 = X'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-55350-001	375-55350-001	375-55350-001	375-54395-001
2			1	375-55350-002	375-55350-002	375-55350-002	375-54395-002
3		Sys 2	1	375-55350-003	375-55350-003	375-55350-003	375-54395-003
4			1	375-55350-004	375-55350-004	375-55350-004	375-54395-004
5	Coil Assembly Rear Module*	Sys 3	1	375-51010-001	375-51014-001	375-51014-001	375-51014-001
6			1	375-51010-002	375-51014-002	375-51014-002	375-51014-002
7			1	375-51010-003	375-51014-003	375-51014-003	375-51014-003
8			1	375-51010-004	375-51014-004	375-51014-004	375-51014-004
<b>COPPER COILS - 'PIN 45 = C'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-55350-005	375-55350-005	375-55350-005	375-54395-005
2			1	375-55350-006	375-55350-006	375-55350-006	375-54395-006
3		Sys 2	1	375-55350-007	375-55350-007	375-55350-007	375-54395-007
4			1	375-55350-008	375-55350-008	375-55350-008	375-54395-008
5	Coil Assembly Rear Module*	Sys 3	1	375-51010-005	375-51014-005	375-51014-005	375-51014-005
6			1	375-51010-006	375-51014-006	375-51014-006	375-51014-006
7			1	375-51010-007	375-51010-007	375-51014-007	375-51014-007
8			1	375-51010-008	375-51010-008	375-51014-008	375-51014-008
<b>BLACK FIN COILS - 'PIN 45 = B'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-55350-009	375-55350-009	375-55350-009	375-54395-009
2			1	375-55350-010	375-55350-010	375-55350-010	375-54395-010
3		Sys 2	1	375-55350-011	375-55350-011	375-55350-011	375-54395-011
4			1	375-55350-012	375-55350-012	375-55350-012	375-54395-012
5	Coil Assembly Rear Module*	Sys 3	1	375-51010-009	375-51014-009	375-51014-009	375-51014-009
6			1	375-51010-010	375-51014-010	375-51014-010	375-51014-010
7			1	375-51010-011	375-51010-011	375-51014-011	375-51014-011
8			1	375-51010-012	375-51010-012	375-51014-012	375-51014-012

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

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## CONDENSER COIL COMPONENTS (CONT'D)

**TABLE 2A (CONT'D) – CONDENSER COIL COMPONENTS - HIGH EFFICIENCY 'PIN 9 = E OR V' (SEE FIG. 2, PAGE 8)**

ITEM NUMBER	DESCRIPTION	SYSTEM	QTY	MODELS	MODELS	MODELS	MODELS
				YCIV0267 AND YCIV0969	YCIV0287 AND YCIV1039	YCIV0327 AND YCIV1169	YCIV0357 AND YCIV1309
<b>PHENOLIC COILS - 'PIN 45 = P'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-58328-005	375-58328-005	375-58328-005	375-58328-009
2			1	375-58328-006	375-58328-006	375-58328-006	375-58328-010
3		Sys 2	1	375-58328-007	375-58328-007	375-58328-007	375-58328-011
4			1	375-58328-008	375-58328-008	375-58328-008	375-58328-012
5	Coil Assembly Rear Module*	Sys 3	1	375-58328-013	375-58328-017	375-58328-017	375-58328-017
6			1	375-58328-014	375-58328-018	375-58328-018	375-58328-018
7			1	375-58328-015	375-58328-015	375-58328-019	375-58328-019
8			1	375-58328-016	375-58328-016	375-58328-020	375-58328-020
<b>EPOXY COILS - 'PIN 45 = E'</b>							
1	Coil Assembly Front Module*	Sys 1	1	375-67024-009	375-67024-009	375-67024-009	375-67016-009
2			1	375-67024-010	375-67024-010	375-67024-010	375-67016-010
3		Sys 2	1	375-67024-011	375-67024-011	375-67024-011	375-67016-011
4			1	375-67024-012	375-67024-012	375-67024-012	375-67016-012
5	Coil Assembly Rear Module*	Sys 3	1	375-72368-001	375-72369-001	375-72369-001	375-72369-001
6			1	375-72368-002	375-72369-002	375-72369-002	375-72369-002
7			1	375-72368-003	375-72368-003	375-72369-003	375-72369-003
8			1	375-72368-004	375-72368-004	375-72369-004	375-72369-004

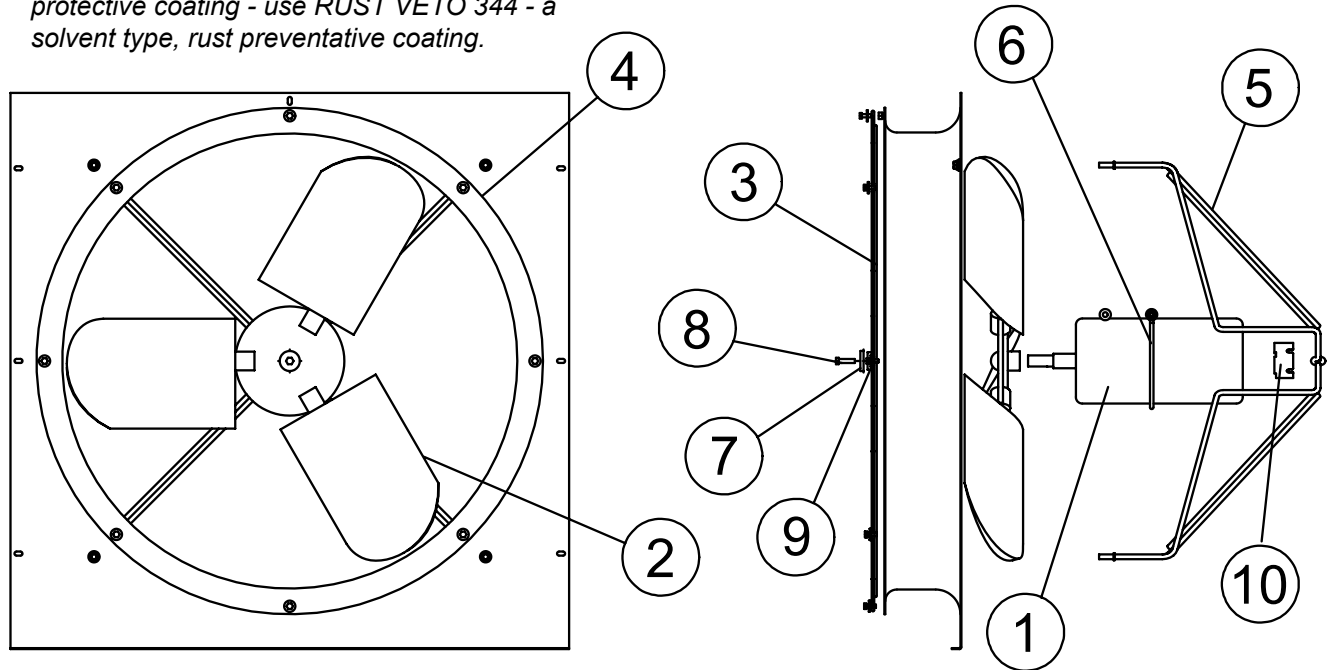
**\*Note:** Coil Assembly includes coil and headers.

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# FAN COMPONENTS

**Service Note:**

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



55596-1

**FIG. 3 – FAN COMPONENTS**

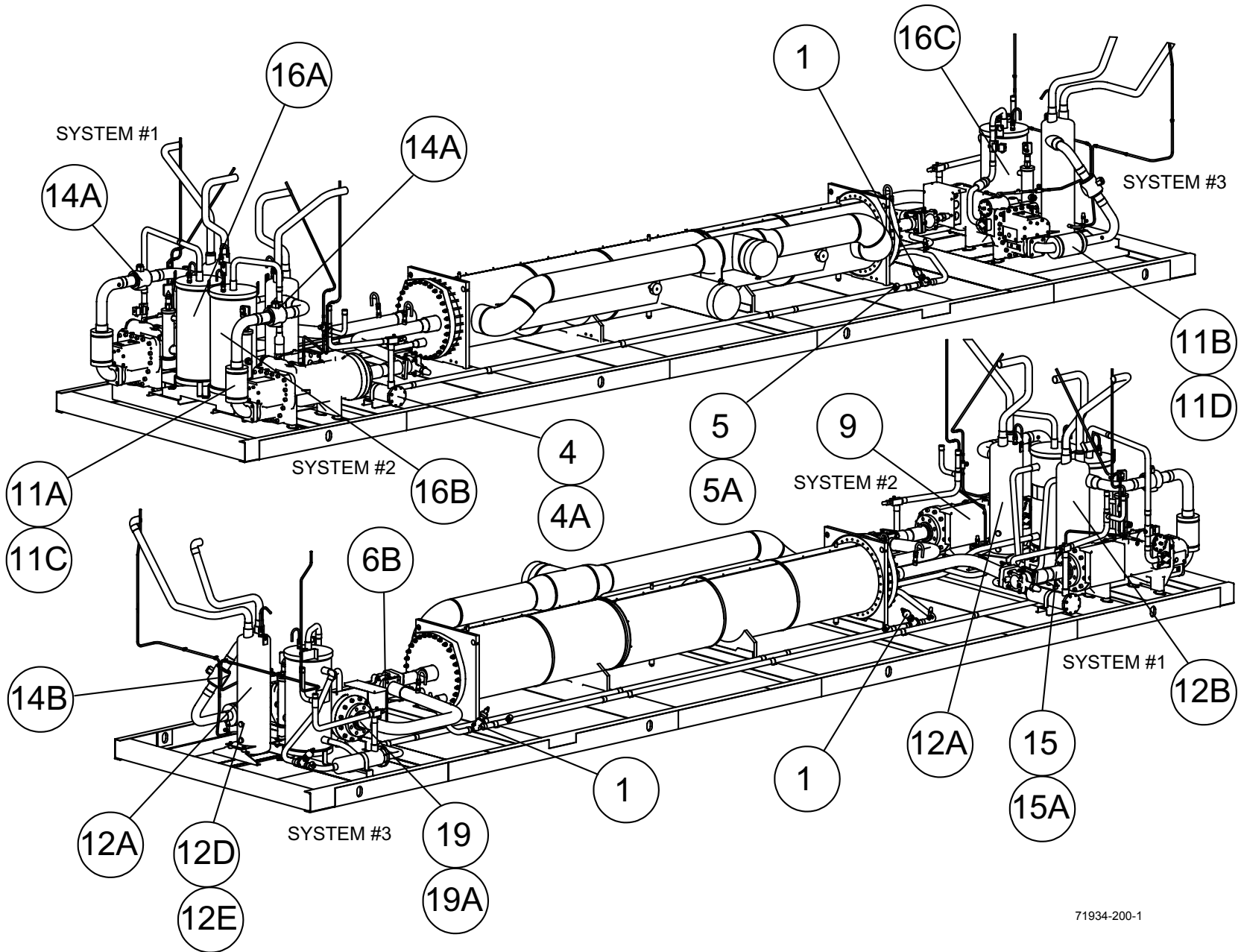
**Service Note:** Pin Location 52 in Model Number will be "X" for Standard Fan, or "L" for Low Noise Fan. See page 4.

**TABLE 3 – FAN COMPONENTS**

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD LOW NOISE 7/8", 1160 RPM	ULTRA LOW NOISE 7/8", 850 RPM
1 <sup>S</sup>	Motor, Fan (2 HP) (YCIV0267-YCIV0397) (YCIV1050-YCIV1500)	-40	024-27322-104	024-34980-005
		-46	024-27322-107	024-34980-001
		-50		024-34980-003
2 <sup>S</sup>	Blade	-40 & -46	026-41594-000	026-41942-000
		-50	026-41943-000	026-45549-000
3	Guard	-40 & -46	026-35605-000	
		-50	026-35605-001	
4	Orifice	All	026-41609-000	
5	Support	-40 & -46	026-41937-000	026-45533-000
		-50		026-41938-000
6	Support Ring	All	026-36367-000	
7	Spacer (.375 I.D.)	All	075-29007-000	
8	Screw, Cap (M8x125)	All	021-18494-000	
9	Spacer (1.406 I.D.)	All	075-40484-000	
10	Hub, Square	60Hz	026-41939-002 (1.465")	026-41939-005 (1.125")
		50Hz	026-41939-001 (1.000")	

<sup>S</sup> = Recommended Spare Parts

REFRIGERANT PIPING COMPONENTS  
3 COMPRESSOR YCIV CHILLER MODELS

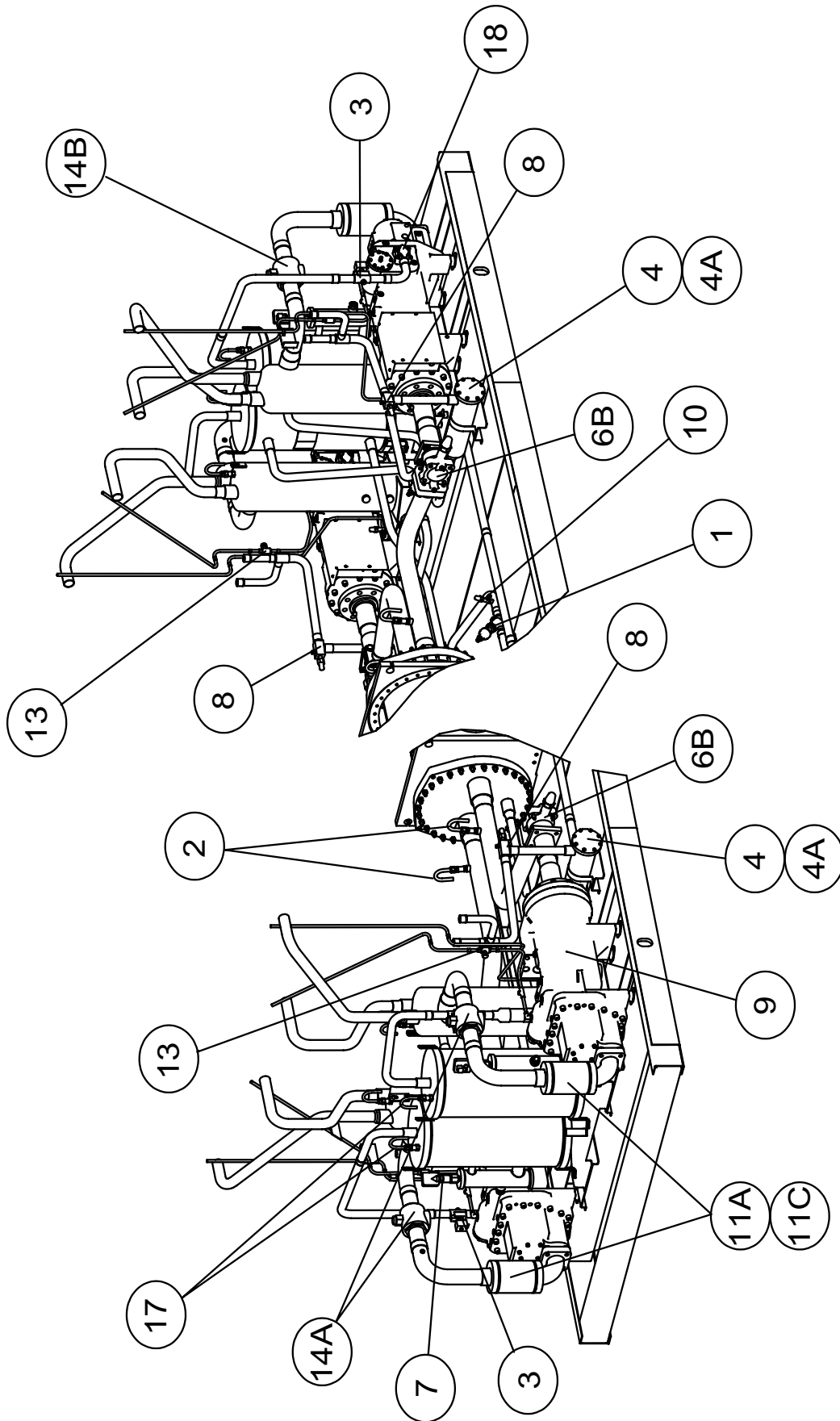


71934-200-1

FIG. 4 – REFRIGERANT PIPING COMPONENTS (REF. TABLE 4, PAGES 18, 19, 20 AND 21)

# REFRIGERANT PIPING COMPONENTS (CONT'D)

## 3 COMPRESSOR YCIV CHILLER MODELS

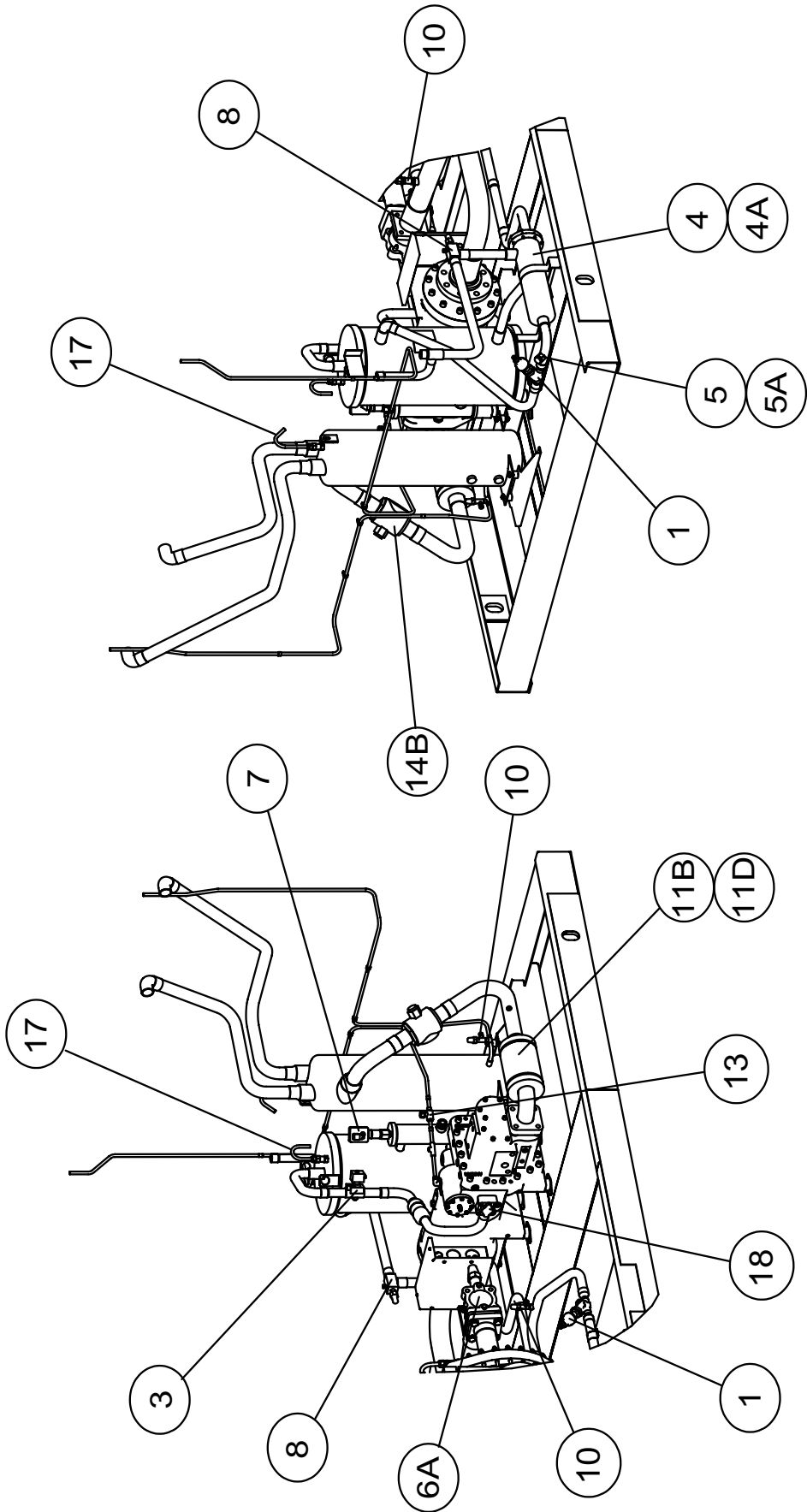


71934-200-3

FIG. 4A – REFRIGERANT PIPING COMPONENTS (REF. TABLE 4, PAGES 18, 19, 20 AND 21)

# REFRIGERANT PIPING COMPONENTS (CONT'D)

## 3 COMPRESSOR YCIV CHILLER MODELS



71934-200-4

FIG. 4B – REFRIGERANT PIPING COMPONENTS (REF. TABLE 4, PAGES 18, 19, 20 AND 21)

## REFRIGERANT PIPING COMPONENTS (CONT'D)

### 3 COMPRESSOR YCIV CHILLER MODELS

**TABLE 4 – REFRIGERANT PIPING COMPONENTS - 3 COMPRESSOR MODELS**  
PIN #9 = S OR P (SEE FIGS. 4, 4A AND 4B, PAGES 15, 16 AND 17)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV00287 AND YCIV1070	YCIV0307 AND YCIV1180
<b>1<sup>S</sup></b>	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
<b>2</b>	3	Valve, Relief	022-11312-000	022-11312-000
<b>3</b>	3	Valve, Solenoid	025-40330-000	025-40330-000
<b>4</b>	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
<b>4A<sup>S</sup></b>	9	Core, Dehydrator	026-37540-000	026-37540-000
<b>5</b>	6	Moisture Indicator, Body	026-32399-000	026-32399-000
<b>5A</b>	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
<b>6A</b>	2	Valve, Stop	022-02845-001	022-02845-001
<b>6B</b>	1			
<b>7<sup>S</sup></b>	3	Sensor, Refrig Level	025-40274-000	025-40274-000
<b>8</b>	3	Valve, Liquid Stop	022-09779-000	022-09779-000
<b>9</b>	3	Compressor	See pages 25 and 26	
<b>10</b>	6	Valve, Charging	022-09754-000	022-09754-000
<b>11A</b>	2	Muffler (Systems 1 and 2)	375-53202-000	375-53202-000
<b>11B</b>	1	Muffler (System 3)	375-55738-000	
<b>11C</b>	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
<b>11D</b>	1	Gasket (Use with 11B)	028-15296-001	
<b>12A</b>	2	Oil Separator (Left)	026-42901-100	
<b>12B</b>	1	Oil Separator (Right)	026-42901-200	
<b>12D</b>	3	Sight Glass, Oil Separator (All)	026-43375-000	
<b>12E</b>	3	O-Ring, Sight Glass	028-15574-000	
<b>13</b>	3	Valve, Ball (Oil Line)	022-09172-000	022-09172-000
<b>14A</b>	2	Ball Valve, Discharge (System 1 and 2)	022-11325-000	022-11325-000
<b>14B</b>	1	Ball Valve, Discharge (System 3)	022-11326-000	022-11325-000
<b>15</b>	3	Flange	375-55970-000	375-55970-000
<b>15A</b>	3	Gasket, Flange	028-15075-159	028-15075-159
<b>16A</b>	1	Flash Tank (System 1)	375-82922-000	375-82922-000
<b>16B</b>	1	Flash Tank (System 2)	375-82924-000	375-82924-000
<b>16C</b>	1	Flash Tank (System 3)	375-82921-000	375-82921-000
<b>17</b>	6	Valve, Relief	022-11398-000	022-11398-000
<b>18</b>	3	Valve, Angle	022-11358-000	022-11358-000
<b>19</b>	3	Flange	075-49922-000	375-56088-000
<b>19A</b>	3	Gasket, Flange	028-13974-000	028-13974-000

<sup>S</sup> = Recommended Spare Parts

## REFRIGERANT PIPING COMPONENTS (CONT'D)

### 3 COMPRESSOR YCIV CHILLER MODELS

**TABLE 4 – REFRIGERANT PIPING COMPONENTS - 3 COMPRESSOR MODELS**  
PIN #9 = S OR P (SEE FIGS. 4, 4A AND 4B, PAGES 15, 16 AND 17)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV0357 AND YCIV1340	YCIV0397 AND YCIV1500
<b>1<sup>S</sup></b>	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
<b>2</b>	3	Valve, Relief	022-11312-000	022-11312-000
<b>3</b>	3	Valve, Solenoid	025-40330-000	025-40330-000
<b>4</b>	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
<b>4A<sup>S</sup></b>	9	Core, Dehydrator	026-37540-000	026-37540-000
<b>5</b>	6	Moisture Indicator, Body	026-32399-000	026-32399-000
<b>5A</b>	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
<b>6A</b>	2	Valve, Stop	022-02845-001	022-11340-001
<b>6B</b>	1		022-11340-001	
<b>7<sup>S</sup></b>	3	Sensor, Refrig Level	025-40274-000	025-40274-000
<b>8</b>	3	Valve, Liquid Stop	022-09779-000	022-09779-000
<b>9</b>	3	Compressor	See pages 25 and 26	
<b>10</b>	6	Valve, Charging	022-09754-000	022-09754-000
<b>11A</b>	2	Muffler (Systems 1 and 2)	375-53202-000	375-53202-000
<b>11B</b>	1	Muffler (System 3)		
<b>11C</b>	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
<b>11D</b>	1	Gasket (Use with 11B)		
<b>12A</b>	2	Oil Separator (Left)	026-42901-100	
<b>12B</b>	1	Oil Separator (Right)	026-42901-200	
<b>12D</b>	3	Sight Glass, Oil Separator (All)	026-43375-000	
<b>12E</b>	3	O-Ring, Sight Glass	028-15574-000	
<b>13</b>	3	Valve, Ball (Oil Line)	022-09172-000	022-09172-000
<b>14A</b>	2	Ball Valve, Discharge (System 1 and 2)	022-11325-000	022-11325-000
<b>14B</b>	1	Ball Valve, Discharge (System 3)	022-11325-000	022-11325-000
<b>15</b>	3	Flange	375-55970-000	375-54668-000
<b>15A</b>	3	Gasket, Flange	028-15075-159	028-15075-159
<b>16A</b>	1	Flash Tank (System 1)	375-82922-000	375-82922-000
<b>16B</b>	1	Flash Tank (System 2)	375-82924-000	375-82924-000
<b>16C</b>	1	Flash Tank (System 3)	375-82921-000	375-82921-000
<b>17</b>	6	Valve, Relief	022-11398-000	022-11398-000
<b>18</b>	3	Valve, Angle	022-11358-000	022-11358-000
<b>19</b>	3	Flange	375-56088-000	375-56086-000
<b>19A</b>	3	Gasket, Flange	028-13974-000	028-15304-000

Piping

<sup>S</sup> = Recommended Spare Parts

## REFRIGERANT PIPING COMPONENTS (CONT'D)

### 3 COMPRESSOR YCIV CHILLER MODELS

**TABLE 4 – REFRIGERANT PIPING COMPONENTS - 3 COMPRESSOR MODELS**  
PIN #9 = E OR V (SEE FIGS. 4, 4A AND 4B, PAGES 15, 16 AND 17)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV00267 AND YCIV1050	YCIV0287 AND YCIV1120
<b>1<sup>S</sup></b>	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
<b>2</b>	3	Valve, Relief	022-11312-000	022-11312-000
<b>3</b>	3	Valve, Solenoid	025-40330-000	025-40330-000
<b>4</b>	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
<b>4A<sup>S</sup></b>	9	Core, Dehydrator	026-37540-000	026-37540-000
<b>5</b>	6	Moisture Indicator, Body	026-32399-000	026-32399-000
<b>5A</b>	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
<b>6A</b>	2	Valve, Stop	022-02845-001	022-02845-000
<b>6B</b>	1			
<b>7<sup>S</sup></b>	3	Sensor, Refrig Level	025-40274-000	025-40274-000
<b>8</b>	3	Valve, Liquid Stop	022-09779-000	022-09779-000
<b>9</b>	3	Compressor	See pages 25 and 26	
<b>10</b>	6	Valve, Charging	022-09754-000	022-09754-000
<b>11A</b>	2	Muffler (Systems 1 and 2)	375-53202-000	375-53202-000
<b>11B</b>	1	Muffler (System 3)	375-55738-000	
<b>11C</b>	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
<b>11D</b>	1	Gasket (Use with 11B)	028-15296-001	
<b>12A</b>	2	Oil Separator (Left)	026-42901-100	
<b>12B</b>	1	Oil Separator (Right)	026-42901-200	
<b>12D</b>	3	Sight Glass, Oil Separator (All)	026-43375-000	
<b>12E</b>	3	O-Ring, Sight Glass	028-15574-000	
<b>13</b>	3	Valve, Ball (Oil Line)	022-09172-000	022-09172-000
<b>14A</b>	2	Ball Valve, Discharge (System 1 and 2)	022-11325-000	022-11325-000
<b>14B</b>	1	Ball Valve, Discharge (System 3)	022-11326-000	022-11325-000
<b>15</b>	3	Flange	375-55970-000	375-55970-000
<b>15A</b>	3	Gasket, Flange	028-15075-159	028-15075-159
<b>16A</b>	1	Flash Tank (System 1)	375-82922-000	375-82922-000
<b>16B</b>	1	Flash Tank (System 2)	375-82924-000	375-82924-000
<b>16C</b>	1	Flash Tank (System 3)	375-82921-000	375-82921-000
<b>17</b>	6	Valve, Relief	022-11398-000	022-11398-000
<b>18</b>	3	Valve, Angle	022-11358-000	022-11358-000
<b>19</b>	3	Flange	375-49922-000	375-56088-000
<b>19A</b>	3	Gasket, Flange	028-13974-000	028-13974-000

<sup>S</sup> = Recommended Spare Parts

## REFRIGERANT PIPING COMPONENTS (CONT'D)

### 3 COMPRESSOR YCIV CHILLER MODELS

**TABLE 4 – REFRIGERANT PIPING COMPONENTS - 3 COMPRESSOR MODELS**  
PIN #9 = E OR V (SEE FIGS. 4, 4A AND 4B, PAGES 15, 16 AND 17)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV0327 AND YCIV1220	YCIV0357 AND YCIV1380
<b>1<sup>S</sup></b>	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
<b>2</b>	3	Valve, Relief	022-11312-000	022-11312-000
<b>3</b>	3	Valve, Solenoid	025-40330-000	025-40330-000
<b>4</b>	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
<b>4A<sup>S</sup></b>	9	Core, Dehydrator	026-37540-000	026-37540-000
<b>5</b>	6	Moisture Indicator, Body	026-32399-000	026-32399-000
<b>5A</b>	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
<b>6A</b>	2	Valve, Stop	N/A	022-11340-001
<b>6B</b>	1			022-02845-001
<b>7<sup>S</sup></b>	3	Sensor, Refrig Level	025-40274-000	025-40274-000
<b>8</b>	3	Valve, Liquid Stop	022-09779-000	022-09779-000
<b>9</b>	3	Compressor	See pages 25 and 26	
<b>10</b>	6	Valve, Charging	022-09754-000	022-09754-000
<b>11A</b>	2	Muffler (Systems 1 and 2)	375-53202-000	375-53202-000
<b>11B</b>	1	Muffler (System 3)		
<b>11C</b>	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
<b>11D</b>	1	Gasket (Use with 11B)		
<b>12A</b>	2	Oil Separator (Left)	026-42901-100	
<b>12B</b>	1	Oil Separator (Right)	026-42901-200	
<b>12D</b>	3	Sight Glass, Oil Separator (All)	026-43375-000	
<b>12E</b>	3	O-Ring, Sight Glass	028-15574-000	
<b>13</b>	3	Valve, Ball (Oil Line)	022-09172-000	
<b>14A</b>	2	Ball Valve, Discharge (System 1 and 2)	022-11325-000	022-11325-000
<b>14B</b>	1	Ball Valve, Discharge (System 3)	022-11325-000	022-11325-000
<b>15</b>	3	Flange	375-55970-000	375-54668-000
<b>15A</b>	3	Gasket, Flange	028-15075-159	028-15075-159
<b>16A</b>	1	Flash Tank (System 1)	375-82922-000	375-82922-000
<b>16B</b>	1	Flash Tank (System 2)	375-82924-000	375-82924-000
<b>16C</b>	1	Flash Tank (System 3)	375-82921-000	375-82921-000
<b>17</b>	6	Valve, Relief	022-11398-000	022-11398-000
<b>18</b>	3	Valve, Angle	022-11358-000	022-11358-000
<b>19</b>	2	Flange	375-56088-000	375-56086-000
	1			375-56088-000
<b>19A</b>	2	Gasket, Flange	028-13974-000	028-13974-000
	1			028-15304-000

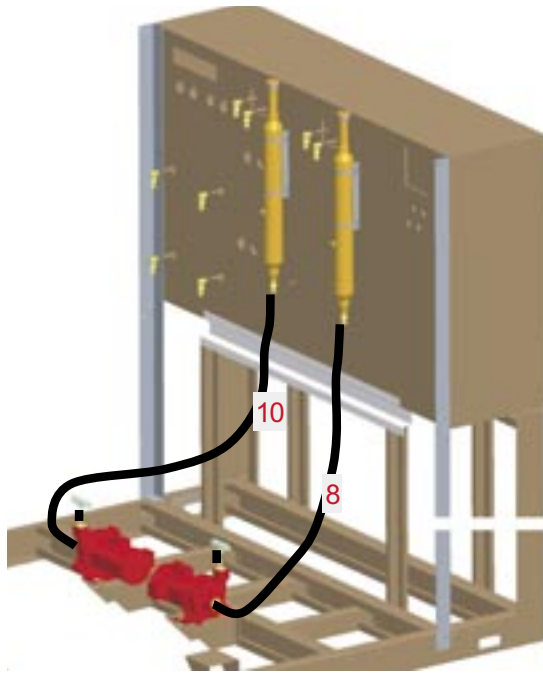
Piping

<sup>S</sup> = Recommended Spare Parts

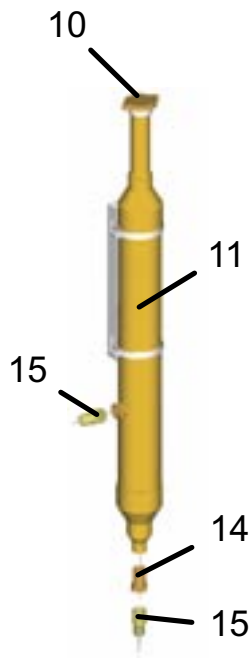
# GLYCOL LOOP COMPONENTS

## CHILLER MODEL YCIV

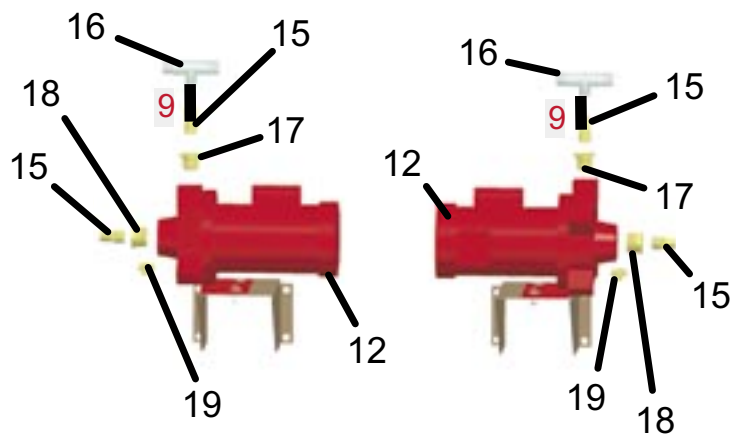
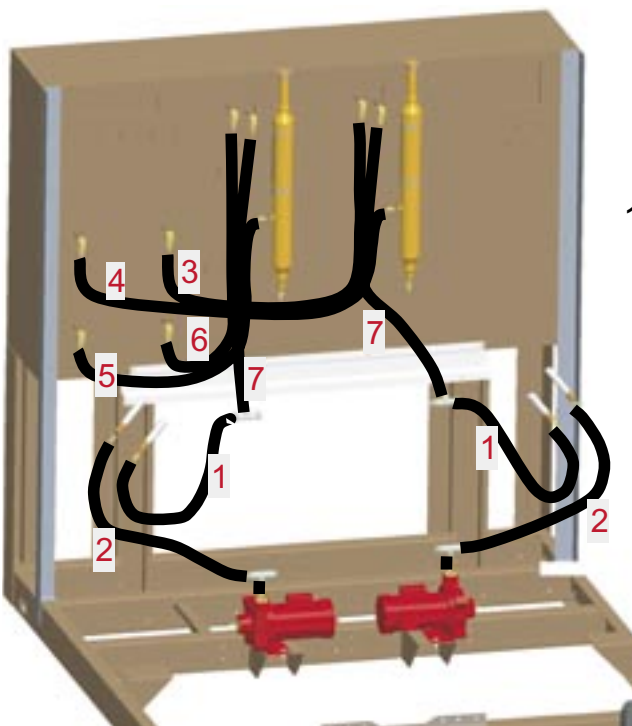
Piping



61393-00a



HOSE, BLACK RUBBER - 3/4 I.D. (028-11958-000)		
SECTION	3 COMP.	4 COMP.
	LENGTH	LENGTH
1	55"	55"
2	55"	45"
3	115"	60"
4	55"	70"
5	55"	55"
6	40"	55"
7	55"	55"
8	45"	70"
9	3"	3"
10	N/A	75"



61393-00b

FIG. 4C – GLYCOL LOOP COMPONENTS (REF. TABLE 4A, PAGE 23)

## GLYCOL LOOP COMPONENTS (CONT'D)

### CHILLER MODEL YCIV

**TABLE 4A – GLYCOL LOOP COMPONENTS**  
(SEE FIG. 4C, PAGE 22)

ITEM NO.	QTY PER SYSTEM	DESCRIPTION	PART NUMBER
<b>10<sup>S</sup></b>	1	CAP, RADIATOR	023-21927-000
<b>11</b>	1	TUBE, GLYCOL	075-55649-000
<b>12</b>	1	PUMP, SINGLE STAGE (60 HERTZ)	026-41611-000
		PUMP, SINGLE STAGE (50 HERTZ)	026-41611-001
<b>13<sup>S</sup></b>	5 gal	COOLANT, PROPYLENE GLYCOL	013-03344-000
<b>14</b>	1	REDUCER	023-21941-000
<b>15</b>	4	FITTING, HOSE BARB	023-21929-000
<b>16</b>	2	TEE	023-22526-000
<b>17</b>	1	BUSHING	023-21934-000
<b>18</b>	1	BUSHING	023-21935-000
<b>19</b>	1	VALVE, DRAIN	023-21874-000

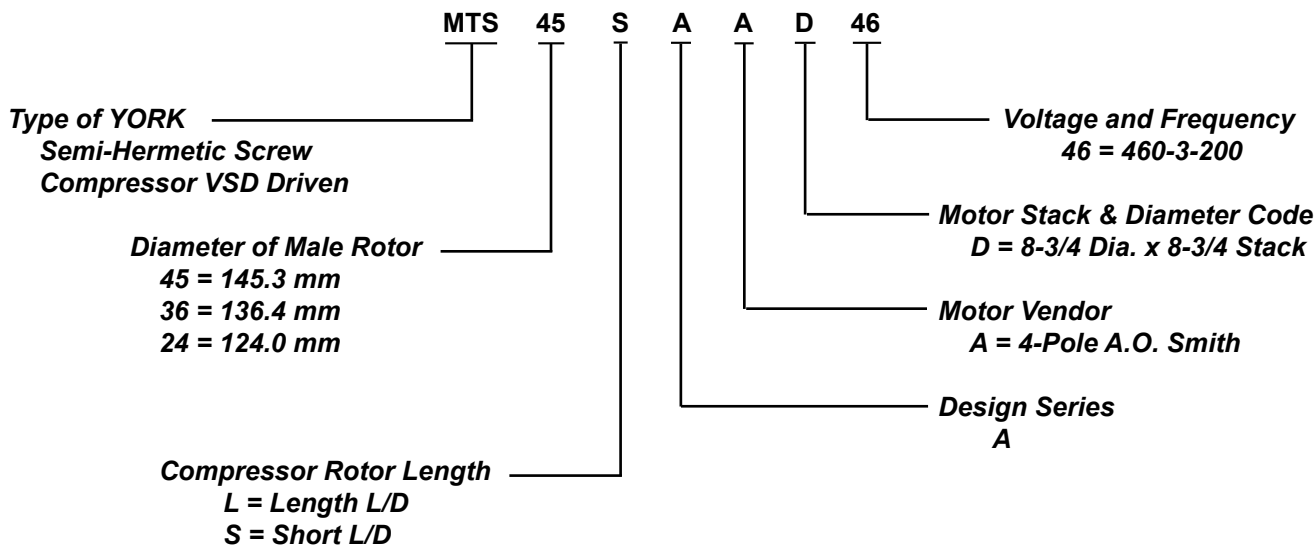
<sup>S</sup> = Recommended Spare Parts

**† Note:**

VSD cooling system capacity ≈ 3.5 gallons. Fill level when cold = 9"-15" below cap.

**CAUTION:** Use only Glycol, part number 013-03344-000, with special inhibitors and heat characteristics. Mixing other types of Glycol or the addition of water may cause permanent damage to the cooling system.

# COMPRESSOR MODEL NOMENCLATURE



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

\*Note: Less Service Valves.

ITEM	REF.	DESCRIPTION	5 GALLON
OIL <sup>s</sup>	R-134A	Oil, Type 'L' (Synthetic)	011-00592-000
FILTER <sup>s</sup>		Filter, Oil	026-35601-000
O-RING <sup>s</sup>		O-ring, Filter Cover	028-13849-000

<sup>s</sup> = Recommended Spare Parts

DESCRIPTION	PART NUMBER
Compressor Heater (350 watt)	025-32938-000

COMPRESSOR CHANGE OUT PARTS		
MM SIZE	DESCRIPTION	PART NUMBER
All	Gasket, Suction Flange	028-15075-159
All	Gasket, Discharge Flange	028-15296-000
All	Seal, HPCO O-Ring	028-13540-000
All	Seal, Economizer O-ring	028-13963-000

# COMPRESSOR

**TABLE 5 – COMPRESSOR PART NUMBERS - VOLTAGE CODE -40 AND -50 (PIN # 9 = S OR P)**

MODEL	SYSTEM #1 COMPRESSOR			SYSTEM #2 COMPRESSOR			SYSTEM #3 COMPRESSOR					
	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCIV0287 YCIV1070	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1	364-50820-100	MTS24SB	124	1
YCIV0307 YCIV1180	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1
YCIV0357 YCIV1340	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1	364-50822-100	MTS45SB	145	1
YCIV0397 YCIV1500	364-50822-100	MTS45SB	145	1	364-50822-100	MTS45SB	145	1	364-50822-100	MTS45SB	145	1

**TABLE 5A – COMPRESSOR PART NUMBERS - VOLTAGE CODE -40 AND -50 (PIN # 9 = E OR V)**

MODEL	SYSTEM #1 COMPRESSOR			SYSTEM #2 COMPRESSOR			SYSTEM #3 COMPRESSOR					
	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCIV0267 YCIV1050	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1	364-50820-100	MTS24SB	124	1
YCIV0287 YCIV1120	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1
YCIV0327 YCIV1220	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1	364-50821-100	MTS36SB	136	1
YCIV0357 YCIV1380	364-50821-100	MTS36SB	136	1	364-50822-100	MTS45SB	145	1	364-50822-100	MTS45SB	145	1

# COMPRESSOR (CONT'D)

**TABLE 5 – COMPRESSOR PART NUMBERS - VOLTAGE CODE -46 (PIN # 9 = S OR P)**

MODEL	SYSTEM #1 COMPRESSOR			SYSTEM #2 COMPRESSOR			SYSTEM #3 COMPRESSOR					
	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCIV0287	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1	364-50820-000	MTS24SA	124	1
YCIV0307	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1
YCIV0357	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1	364-50822-000	MTS45SA	145	1
YCIV0397	364-50822-000	MTS45SA	145	1	364-50822-000	MTS45SA	145	1	364-50822-000	MTS45SA	145	1

**TABLE 5A – COMPRESSOR PART NUMBERS - VOLTAGE CODE -46 (PIN # 9 = E OR V)**

MODEL	SYSTEM #1 COMPRESSOR			SYSTEM #2 COMPRESSOR			SYSTEM #3 COMPRESSOR					
	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCIV0267	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1	364-50820-000	MTS24SA	124	1
YCIV0287	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1
YCIV0327	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1	364-50821-000	MTS36SA	136	1
YCIV0357	364-50821-000	MTS36SA	136	1	364-50822-000	MTS45SA	145	1	364-50822-000	MTS45SA	145	1

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## CONTROL AND VSD PANEL CONFIGURATIONS

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

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

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

PIN 16 & 17 LETTER CODE IDENTIFIERS		OPTION PANEL AND POWER PANEL CONFIGURATIONS
<b>S</b>	<b>X</b>	Single Point Supply Terminal Block
<b>B</b>	<b>X</b>	Single Point Supply Circuit Breaker
<b>S</b>	<b>S</b>	Single Point Supply Terminal Block w/ Separate System Non-Fused Disconnect Switch
<b>C</b>	<b>S</b>	Single Point Supply Circuit Breaker w/ Separate System Non-Fused Disconnect Switch



Variable Speed Drive

**FIG. 5** – CONTROL, OPTIONS AND POWER PANELS LAYOUT

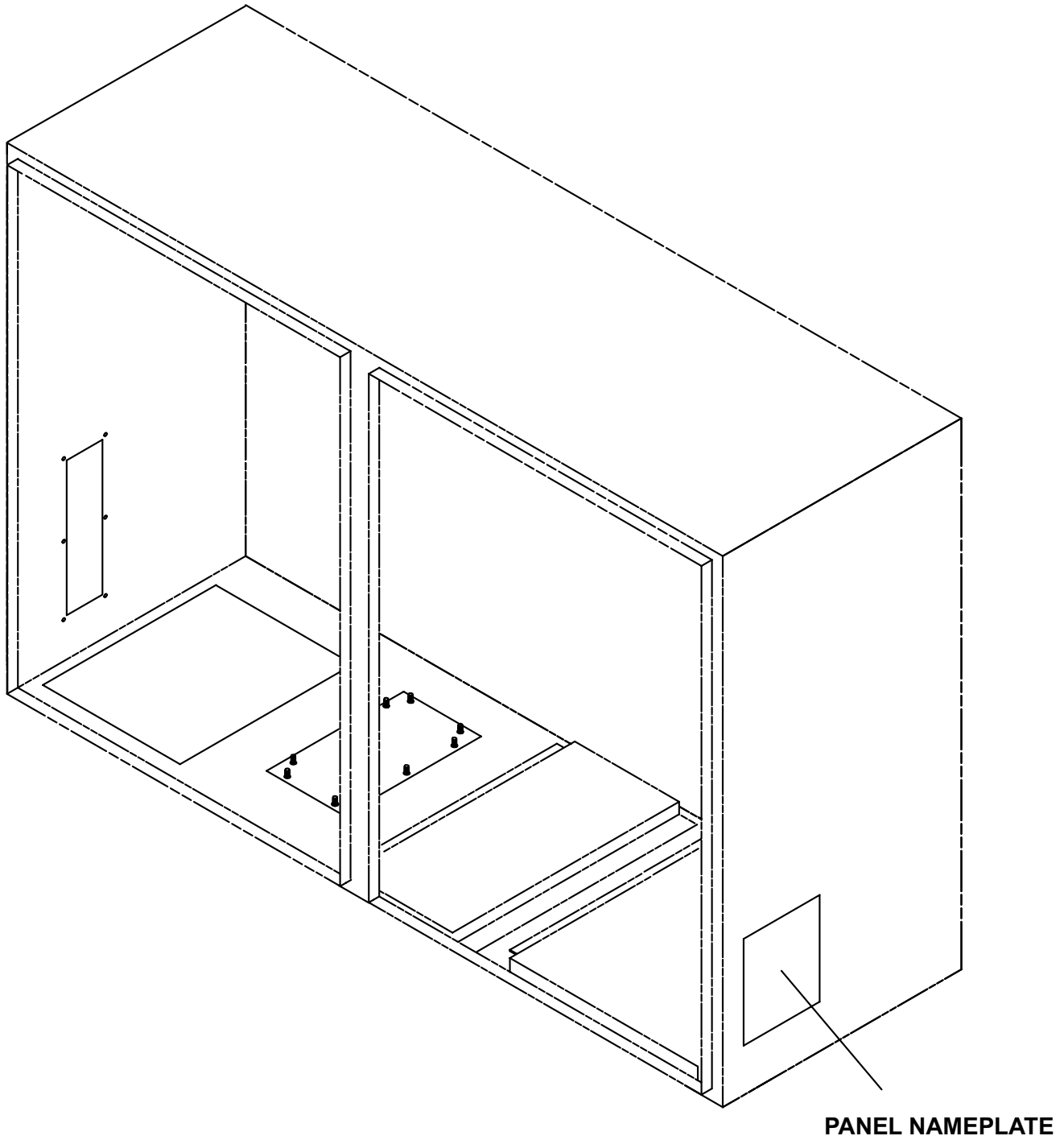
## CONTROL AND VSD PANEL CONFIGURATIONS (CONT'D)



**\*Note:** *On units with Single Point Terminal Blocks, the terminal blocks are located in the same space as the Single Point Circuit Breaker shown in Fig. 7A.*

**FIG. 6 – EXAMPLES OF POWER WIRING CONFIGURATIONS**

# VARIABLE SPEED DRIVE PANEL COMPONENTS



**PANEL NAMEPLATE**

**FIG. 7 – VSD / CONTROL PANEL IDENTIFIER LOCATION (3-COMPRESSOR UNITS)**

## VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

**TABLE 6 – VSD / CONTROL PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, LOCATE THE POWER PANEL NAMEPLATE (FIG. 7, PAGE 30), OR SELECT PANEL IDENTIFIER NUMBER FROM THE TABLES BELOW, THEN REFER TO THE 'VSD/ CONTROL PANEL COMPONENTS INFORMATION (PAGES 32-43).**

<b>VSD / Control Panel Part Numbers (YCIV0267, 0287, 0307, 0327, 1050, 1070, 1180 and YCIV1220)</b>					
<b>Voltage Code</b>	<b>Qty</b>	<b>Standard or Low Sound Fans</b>			
		<b>Terminal Block or Terminal Block w/ Separate System Non-Fused Disconnect Switches</b>		<b>Circuit Breaker or Circuit Breaker w/ Separate System Non-Fused Disconnect Switches</b>	
		<b>No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset</b>	<b>ISN Microgateway</b>	<b>No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset</b>	<b>ISN Microgateway</b>
<b>17</b>	<b>1</b>	N/A	N/A	N/A	N/A
<b>28</b>		N/A	N/A	N/A	N/A
<b>40</b>		371-04179-601	371-04179-609	371-04179-605	371-04179-613
<b>46</b>		371-04179-103	371-04179-111	371-04179-107	371-04179-115
<b>50</b>		371-04179-602	371-04179-610	371-04179-606	371-04179-614
<b>58</b>		N/A	N/A	N/A	N/A

<b>VSD / Control Panel Part Numbers (YCIV0357, 0397, 1340, 1380 and YCIV1500)</b>					
<b>Voltage Code</b>	<b>Qty</b>	<b>Standard or Low Sound Fans</b>			
		<b>Terminal Block or Terminal Block w/ Separate System Non-Fused Disconnect Switches</b>		<b>Circuit Breaker or Circuit Breaker w/ Separate System Non-Fused Disconnect Switches</b>	
		<b>No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset</b>	<b>ISN Microgateway</b>	<b>No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset</b>	<b>ISN Microgateway</b>
<b>17</b>	<b>1</b>	N/A	N/A	N/A	N/A
<b>28</b>		N/A	N/A	N/A	N/A
<b>40</b>		371-04179-701	371-04179-709	371-04179-705	371-04179-713
<b>46</b>		371-04179-103	371-04179-111	371-04179-107	371-04179-115
<b>50</b>		371-04179-702	371-04179-710	371-04179-706	371-04179-714
<b>58</b>		N/A	N/A	N/A	N/A

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

Variable Speed Drive

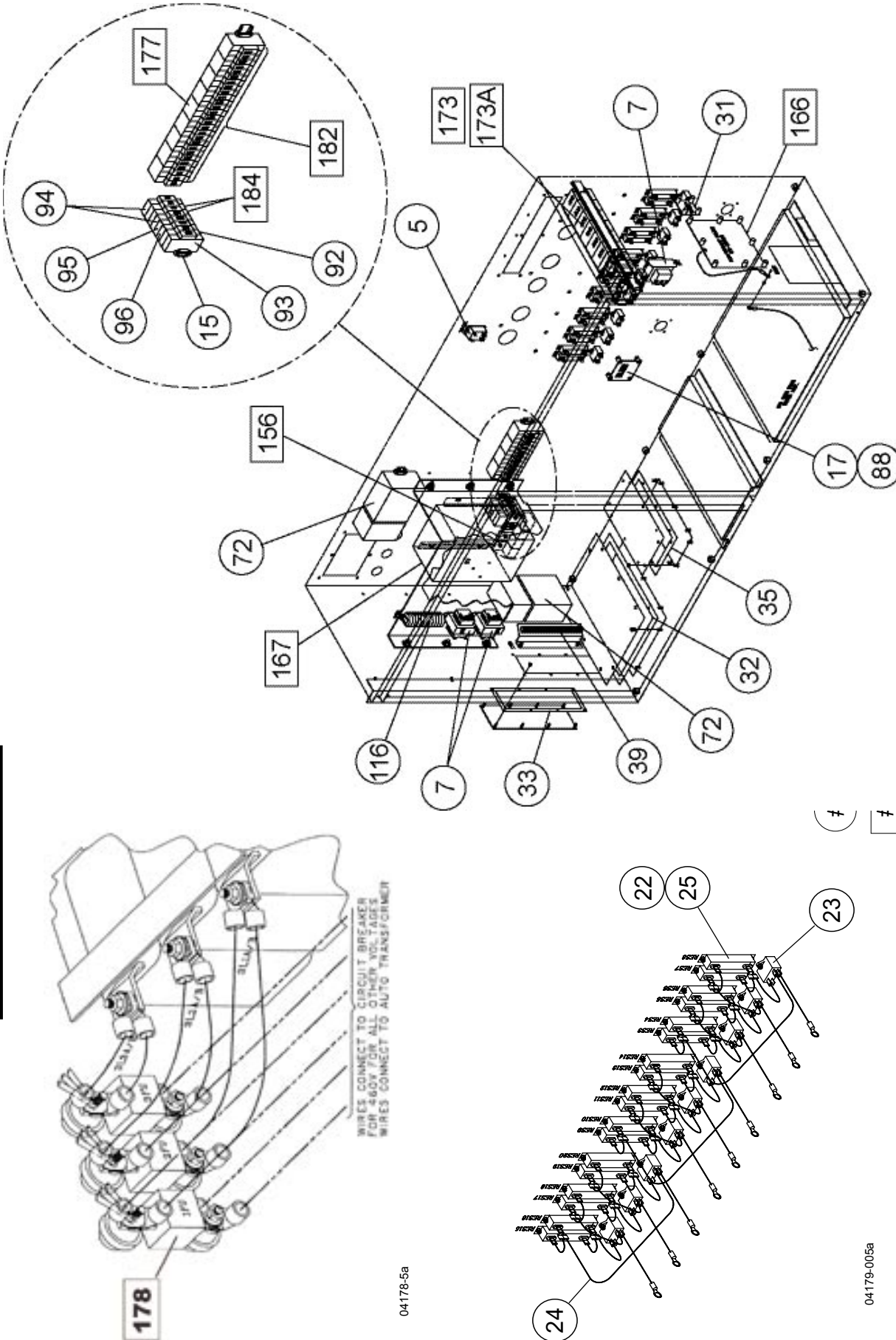


FIG. 7A – VARIABLE SPEED DRIVE COMPONENTS (REF. TABLES 7 AND 7A, PAGES 37 - 43)

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

04180-007a

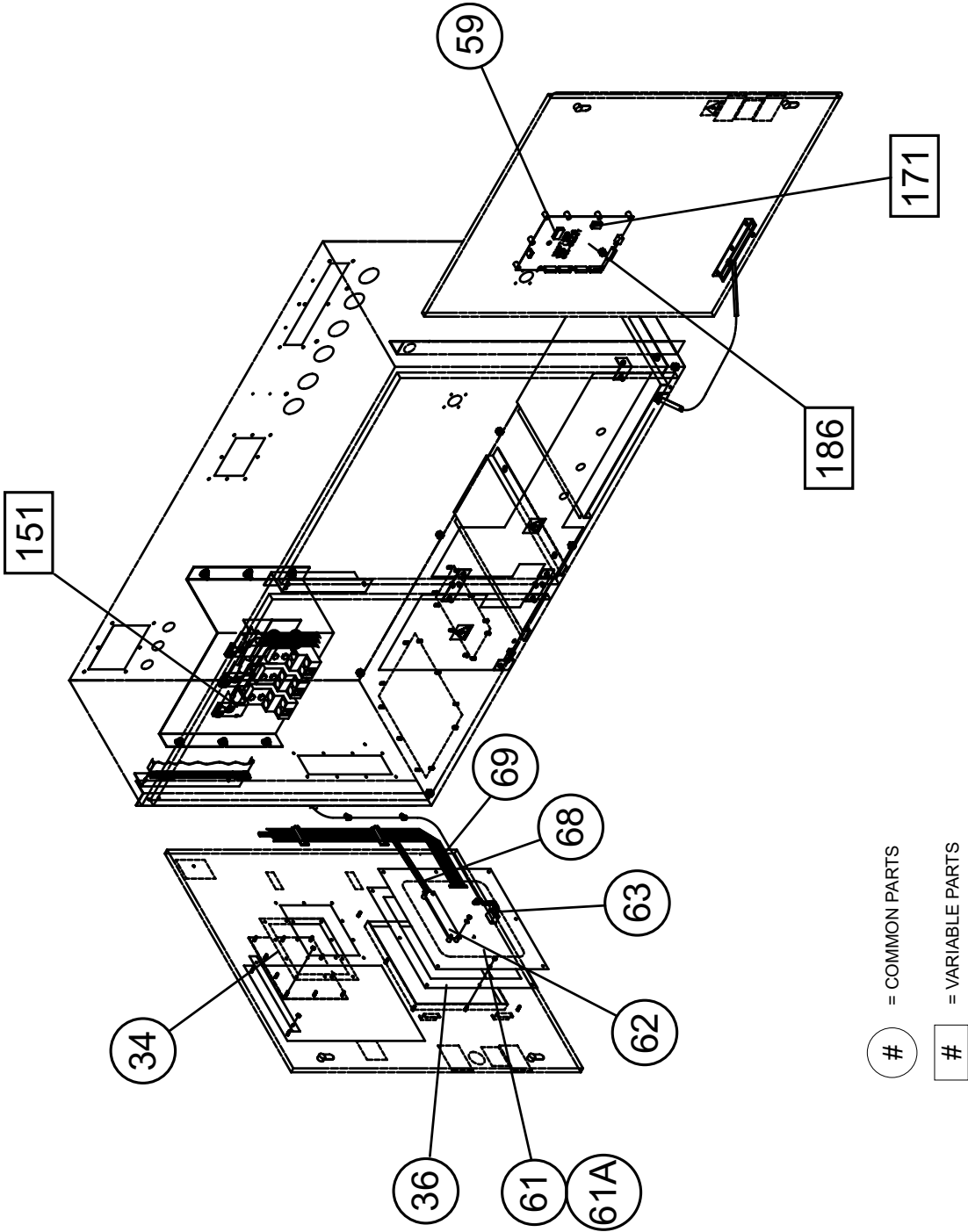
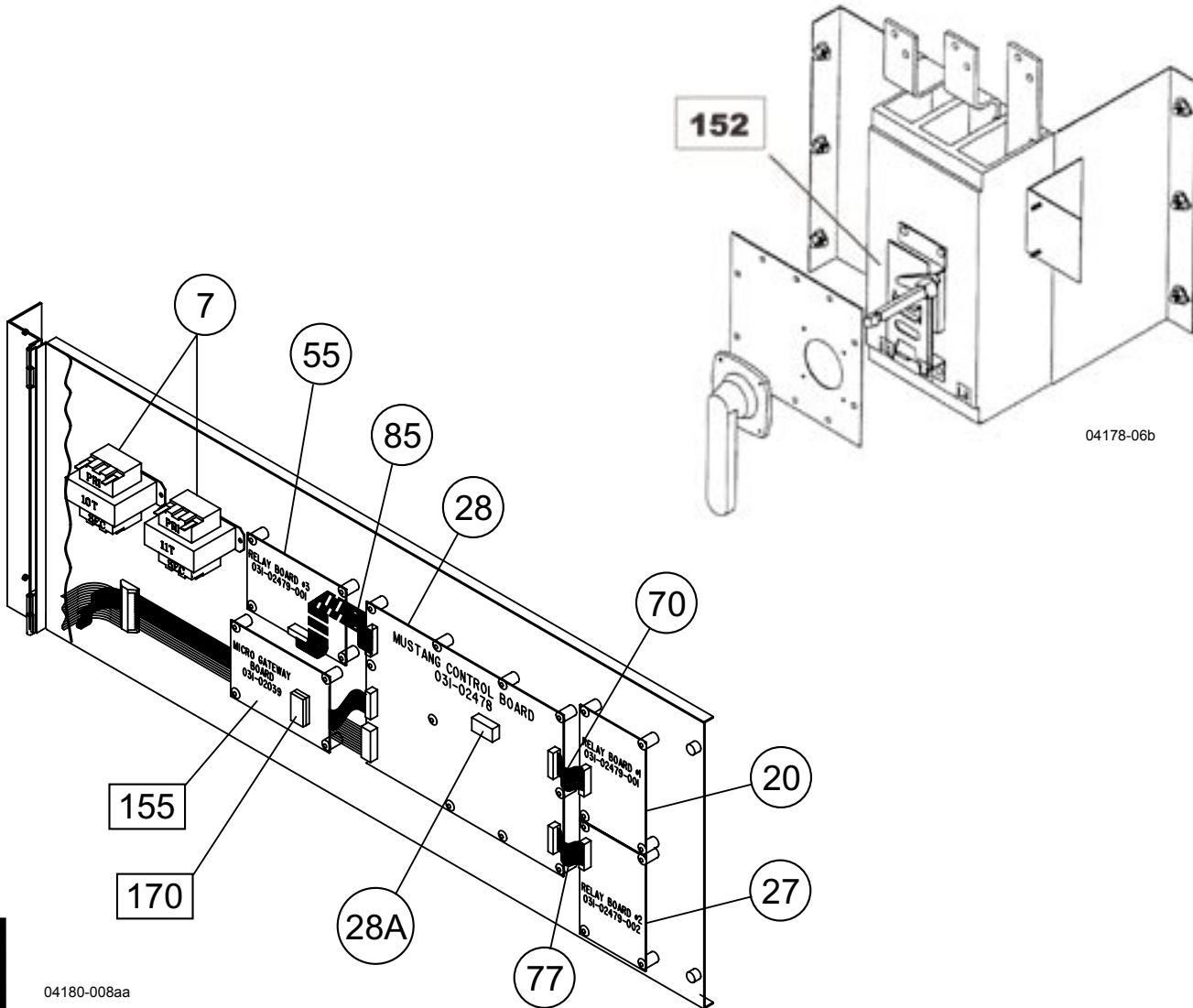


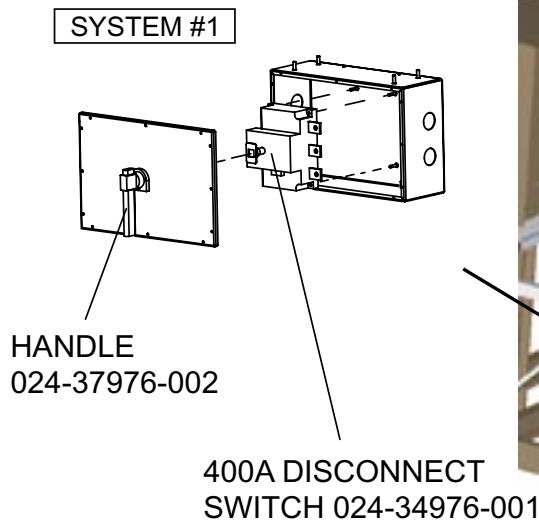
FIG. 7B – VARIABLE SPEED DRIVE COMPONENTS (REF. TABLES 7 AND 7A, PAGES 37 - 43)

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)



04180-008aa

Variable Speed Drive



55832-000C

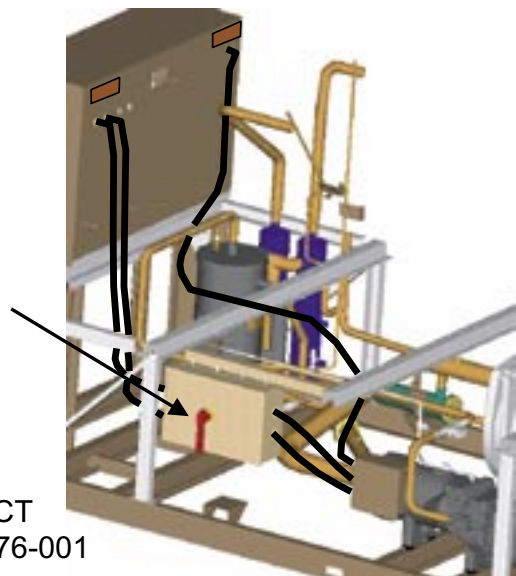
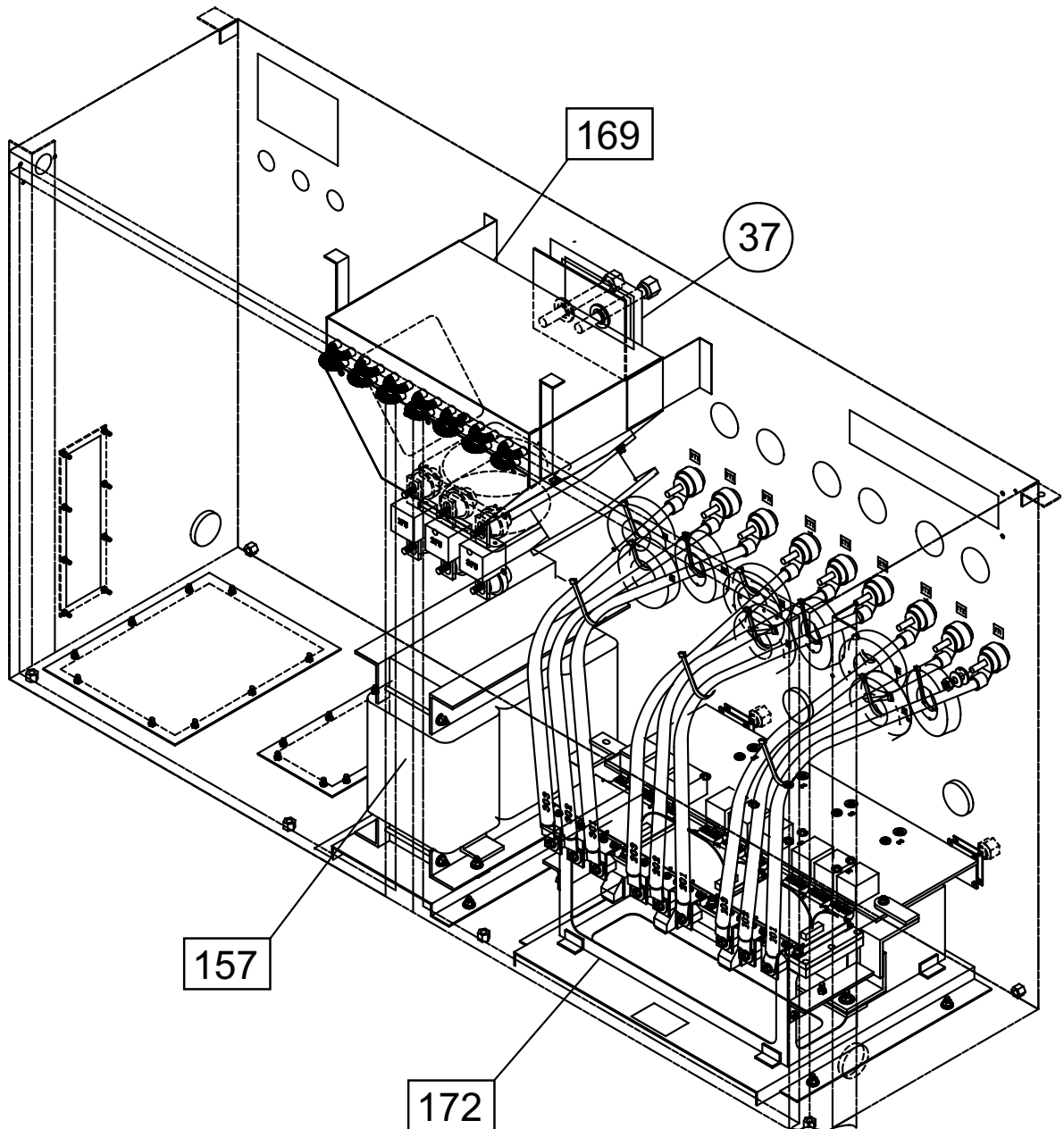


FIG. 7C – VARIABLE SPEED DRIVE COMPONENTS (REF. TABLES 7 AND 7A, PAGES 37-43)

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

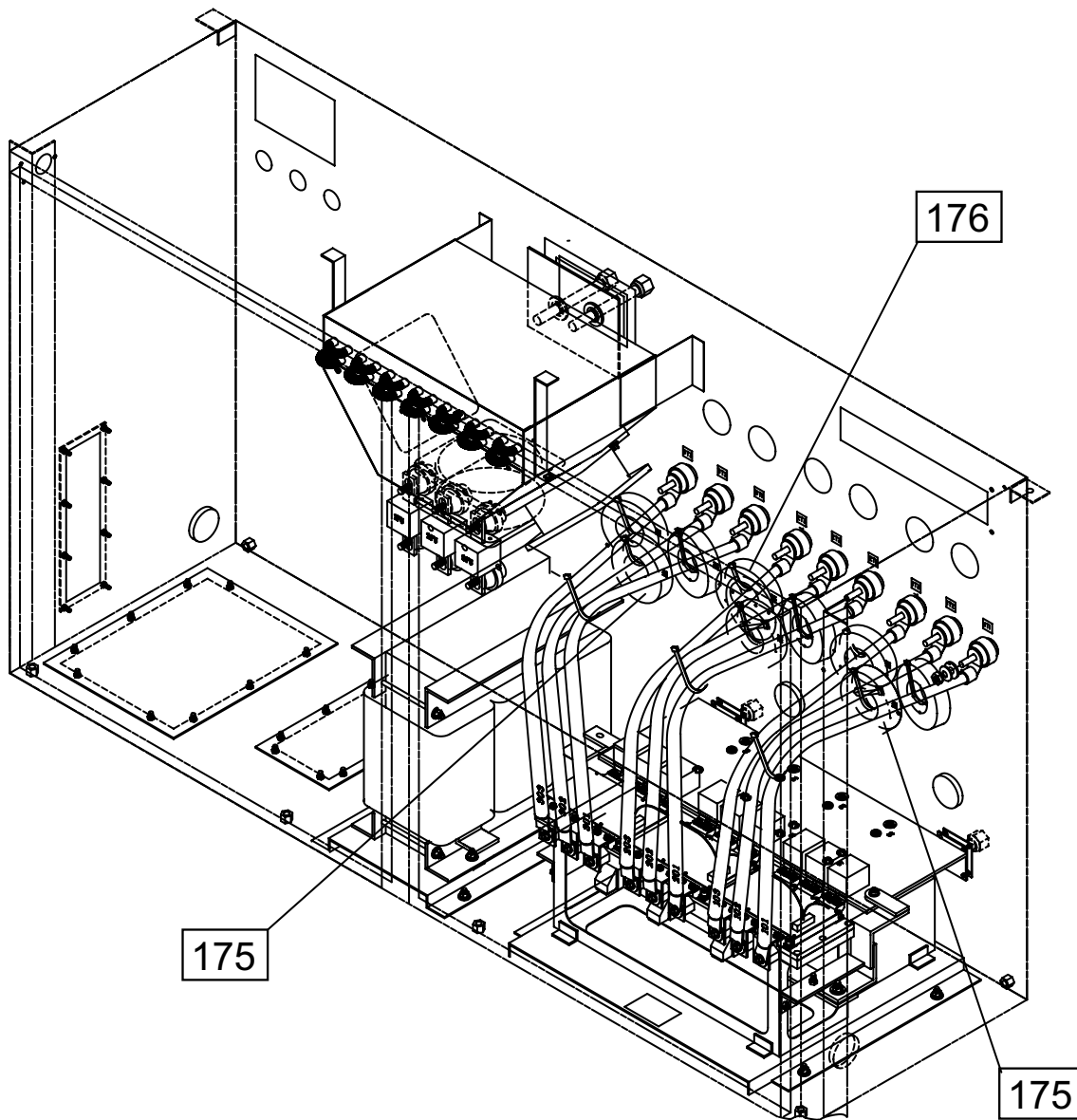
04180-006a



Variable Speed Drive

**FIG. 7D** – VARIABLE SPEED DRIVE COMPONENTS  
(REF. TABLES 7 AND 7A, PAGES 37-43)

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)



Variable Speed Drive

**FIG. 7E – VARIABLE SPEED DRIVE COMPONENTS**  
(REF. TABLES 7 AND 7A, PAGES 37-43)

## VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

**TABLE 7 – VARIABLE SPEED DRIVE COMMON COMPONENTS**  
(SEE. FIGS. 7A-7E, PAGES 32-36)

ITEM NUMBER	QTY PER UNIT	DESCRIPTION	YORK PART NUMBER
5	1	RELAY, PUMP / FAN	024-30441-000
7	3	TRANSFORMER, 75VA (3T, 6T, 11T)	025-27911-000
15	5	FUSE HOLDER, 1 POLE - 30A	025-39951-000
17	1	VOLTAGE SUPPRESSION BOARD	031-02453-000
20	1	RELAY BOARD #1	031-02479-001
22	18	RESISTOR	025-35953-000
23	9	CAPACITOR	025-39806-000
24	1	WIRING KIT, DVDT	571-04179-211
25	18	PAD, THERMAL	028-15299-000
27	1	RELAY BOARD #2	031-02479-002
28 <sup>S</sup>	1	CONTROL BOARD	031-02478-001
28A <sup>S</sup>	1	EPROM, CONTROL BOARD (STANDARD)	031-02476-001
		EPROM, CONTROL BOARD (OPTIMIZED)	031-02476-002
31	1	BUS ISOLATION BOARD	031-01624-000
32	1	GASKET, FIELD POWER	028-15246-000
33	1	GASKET, CUST. CONNECTIONS	028-15247-000
34	1	GASKET, CIRCUIT BREAKER	028-15248-000
35	1	GASKET, AUTO TRANSFORMER	028-15249-000
36	1	GASKET, KEYPAD / DISPLAY	028-15250-000
37	1	GASKET, COIL	028-15251-000
39	1	TERMINAL BLOCK ASSEMBLY	371-04178-356
55	1	RELAY BOARD #3	031-02479-003
59	1	EPROM, LOGIC BOARD U39	031-02522-001*

<sup>S</sup> = Recommended Spare Parts

\* Note: Used on new 031-02507-001 and 031-02507-002 VSD Logic Boards.

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

**TABLE 7 (CONT'D) – VARIABLE SPEED DRIVE COMMON COMPONENTS**  
(SEE. FIGS. 7A-7E, PAGES 32-36)

ITEM NUMBER	QTY PER UNIT	DESCRIPTION	YORK PART NUMBER
61	1	KEYPAD, LATITUDE	024-34930-000*
61A	1	OVERLAY, KEYPAD ENGLISH	024-34930-001*
		OVERLAY, KEYPAD SPANISH	024-34930-002*
		OVERLAY, KEYPAD FRENCH	024-34930-003*
		OVERLAY, KEYPAD GERMAN	024-34930-004*
		OVERLAY, KEYPAD ITALIAN	024-34930-005*
62	1	DISPLAY, LATITUDE	031-02508-000
63	1	SWITCH, ON / OFF	024-34951-000
68	1	CABLE, DISPLAY RIBBON	571-04178-268
69	1	CABLE, KEYPAD RIBBON	571-04178-269
70	1	CABLE, RIBBON (RELAY BOARD #1)	571-04178-263
72 <sup>S</sup>	1	CONTROLLER, DRAIN/FEED (STRAIGHT FLOW)	031-02742-000
77	1	CABLE, RIBBON (RELAY BOARD #2)	571-04178-264
85	1	CABLE, RIBBON (RELAY BOARD #3)	571-04178-265
88	3	FUSES	025-38523-000
92	1	FUSE, 15A	025-34141-000
93	1	FUSE, 30A	025-35910-000
94	2	FUSE, 6A	025-35902-000
95	1	FUSE, 12A	025-35906-000
96	1	FUSE, 17.5A	025-40149-000
116	12	TERMINAL BLOCK	025-20944-000

<sup>S</sup> = Recommended Spare Parts

\* Note: Both the keypad and overlay must be replaced when replacing the keypad.

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

**TABLE 7A – VARIABLE SPEED DRIVE VARIABLE PARTS - 3 COMPRESSOR MODELS (SEE FIGS. 7A-7E, PAGES 32-36)**

Item Number	Description	371-04179-103* -46		371-04179-107* -46		371-04179-111* -46		371-04179-115* -46	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-005	-	N/A	1	371-04460-005	-	N/A
152	Single Point Circuit Breaker	-	N/A	1	371-04459-106	-	N/A	1	371-04459-106
155	Microgateway Board	-	N/A	-	N/A	1	031-02039-000	1	031-02039-000
156	Ground Lugs	4	025-20625-000	4	025-20625-000	4	025-20625-000	4	025-20625-000
157	Inductor	1	025-39676-000	1	025-39676-000	1	025-39676-000	1	025-39676-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-001	1	031-02060-001
167	Control Transformer 2T	1	025-40114-003	1	025-40114-003	1	025-40114-003	1	025-40114-003
169	Cooling Fan Ass'y	1	371-04179-501	1	371-04179-501	1	371-04179-501	1	371-04179-501
170	Eprom, Microgateway	-	N/A	-	N/A	1	031-02200-005	1	031-02200-005
171	Eprom, Logic Board (U52)	1	031-02649-001	1	031-02649-001	1	031-02649-001	1	031-02649-001
172	VSD Power Assembly Complete (See Page 46)	1	371-04192-101	1	371-04192-101	1	371-04192-101	1	371-04192-101
173	Fan Contactor	9	024-34916-000	9	024-34916-000	9	024-34916-000	9	024-34916-000
173A	Harness, Fan Contactor	1	571-04179-231	1	571-04179-231	1	571-04179-231	1	571-04179-231
175	Transformer, Current (Sys. 1&3) 300 : 0.1 Ratio	6	025-21173-009	6	025-21173-009	6	025-21173-009	6	025-21173-009
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009
177	Fuse Holder (3 Pole)	4	025-39952-000	4	025-39952-000	4	025-39952-000	4	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-39682-000	3	025-39682-000	3	025-39682-000	3	025-39682-000
182	Fuse, 30A (7-9FU, 14-16FU)	9	025-39683-000	9	025-39683-000	9	025-39683-000	9	025-39683-000
184	Fuse, 10A (4FU, 5FU, 19FU)	2	031-35907-000	2	031-35907-000	2	031-35907-000	2	031-35907-000
186	VSD Logic Board*	1	031-02507-001	1	031-02507-001	1	031-02507-001	1	031-02507-001

\* Note: Must order VSD Logic Board Kit (331-02507-604) when replacing Logic Board (031-02507-001) and U52 (031-02649-001).  
(Kit includes EPROMs and PWM Generator - 59 & 171).

**Service Note:**

Locate the PANEL NUMBER nameplate on the lower right hand outside corner of the power panel, then refer to the appropriate parts list for that number. Or, identify P/N number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table above for power configuration options.

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

## Variable Speed Drive

**TABLE 7A (CONT'D) – VARIABLE SPEED DRIVE VARIABLE PARTS - 3 COMPRESSOR MODELS**  
(SEE: FIGS. 7A-7E, PAGES 32-36)

Item Number	Description	371-04179-601* -40		371-04179-602* -50		371-04179-605* -40		371-04179-606* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-005	1	371-04460-005	-	N/A	-	N/A
152	Single Point Circuit Breaker	-	N/A	-	N/A	1	371-04459-106	1	371-04459-106
155	Microgateway Board	-	N/A	-	N/A	-	N/A	-	N/A
156	Ground Lugs	4	025-20625-000	4	025-20625-000	4	025-20625-000	4	025-20625-000
157	Inductor	1	025-39676-000	1	025-39676-000	1	025-39676-000	1	025-39676-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-008	1	025-40114-006	1	025-40114-008	1	025-40114-006
169	Cooling Fan Assy	1	371-04179-501	1	371-04179-503	1	371-04179-501	1	371-04179-503
170	Eprom, Microgateway	-	N/A	-	N/A	-	N/A	-	N/A
171	Flashcard, Logic Board (U52)	1	031-02649-002	1	031-02649-002	1	031-02649-002	1	031-02649-002
172	VSD Power Assembly Complete (See Page 46)	1	371-04192-101	1	371-04192-101	1	371-04192-101	1	371-04192-101
173	Fan Contactor	9	024-34916-000	9	024-34916-000	9	024-34916-000	9	024-34916-000
173A	Harness, Fan Contactor	1	571-04179-231	1	571-04179-231	1	571-04179-231	1	571-04179-231
175	Transformer, Current (Sys. 1&3) 300 : 0.1 Ratio	6	025-21173-009	6	025-21173-009	6	025-21173-009	6	025-21173-009
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009
177	Fuse Holder (3 Pole)	4	025-39952-000	4	025-39952-000	4	025-39952-000	4	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-39682-000	3	025-39682-000	3	025-39682-000	3	025-39682-000
182	Fuse, 30A (7-9FU, 14-16FU)	9	025-39683-000	9	025-39683-000	9	025-39683-000	9	025-39683-000
184	Fuse, 10A (4FU, 5FU, 19FU)	2	031-40149-000	2	031-40149-000	2	031-40149-000	2	031-40149-000
186	VSD Logic Board*	1	031-02507-101	1	031-02507-101	1	031-02507-101	1	031-02507-101

\* Note: Must order VSD Logic Board Kit (331-02507-605) when replacing Logic Board (031-02507-101).  
(Kit includes EPROMs and PWM Generator - 59 & 171).

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

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

**TABLE 7A (CONT'D) – VARIABLE SPEED DRIVE VARIABLE PARTS - 3 COMPRESSOR MODELS**  
(SEE FIGS. 7A-7E, PAGES 32-36)

Item Number	Description	371-04179-609* -40		371-04179-610* -50		371-04179-613* -40		371-04179-614* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-005	1	371-04460-005	-	N/A	-	N/A
152	Single Point Circuit Breaker	-	N/A	-	N/A	1	371-04459-106	1	371-04459-106
155	Microgateway Board	1	031-02039-000	1	031-02039-000	1	031-02039-000	1	031-02039-000
156	Ground Lugs	4	025-20625-000	4	025-20625-000	4	025-20625-000	4	025-20625-000
157	Inductor	1	025-39676-000	1	025-39676-000	1	025-39676-000	1	025-39676-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-008	1	025-40114-006	1	025-40114-008	1	025-40114-006
169	Cooling Fan Ass'y	1	371-04179-501	1	371-04179-503	1	371-04179-501	1	371-04179-503
170	Eprom, Microgateway	1	031-02200-005	1	031-02200-005	1	031-02200-005	1	031-02200-005
171	Eprom, Logic Board (U52)	1	031-02649-002	1	031-02649-002	1	031-02649-002	1	031-02649-002
172	VSD Power Assembly Complete (See Page 46)	1	371-04192-101	1	371-04192-101	1	371-04192-101	1	371-04192-101
173	Fan Contactor	9	024-34916-000	9	024-34916-000	9	024-34916-000	9	024-34916-000
173A	Harness, Fan Contactor	1	571-04179-231	1	571-04179-231	1	571-04179-231	1	571-04179-231
175	Transformer, Current (Sys. 1&3) 300 : 0.1 Ratio	6	025-21173-009	6	025-21173-009	6	025-21173-009	6	025-21173-009
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009
177	Fuse Holder (3 Pole)	4	025-39952-000	4	025-39952-000	4	025-39952-000	4	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-39682-000	3	025-39682-000	3	025-39682-000	3	025-39682-000
182	Fuse, 30A (7-9FU, 14-16FU)	9	025-39683-000	9	025-39683-000	9	025-39683-000	9	025-39683-000
184	Fuse, 10A (4FU, 5FU, 19FU)	2	025-40149-000	2	025-40149-000	2	025-40149-000	2	025-40149-000
186	VSD Logic Board*	1	031-02507-101	1	031-02507-101	1	031-02507-101	1	031-02507-101

\* Note: Must order VSD Logic Board Kit (331-02507-605) when replacing Logic Board (031-02507-101).  
(Kit includes EPROMs and PWM Generator - 59 & 171).

**Service Note:**

Locate the PANEL NUMBER nameplate on the lower right hand outside corner of the power panel, then refer to the appropriate parts list for that number. Or, identify P/N number positions 16 and 17 on unit identification plate (See example on Page 4) then compare to table above for power configuration options.

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

## Variable Speed Drive

**TABLE 7A (CONT'D) – VARIABLE SPEED DRIVE VARIABLE PARTS - 3 COMPRESSOR MODELS**  
(SEE: FIGS. 7A-7E, PAGES 32-36)

Item Number	Description	371-04179-701* -40		371-04179-702* -50		371-04179-705* -40		371-04179-706* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-005	1	371-04460-005	-	N/A	-	N/A
152	Single Point Circuit Breaker	-	N/A	-	N/A	1	371-04459-109	1	371-04459-109
155	Microgateway Board	-	N/A	-	N/A	-	N/A	-	N/A
156	Ground Lugs	4	025-20625-000	4	025-20625-000	4	025-20625-000	4	025-20625-000
157	Inductor	1	025-40741-000	1	025-40741-000	1	025-40741-000	1	025-40741-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-008	1	025-40114-006	1	025-40114-008	1	025-40114-006
169	Cooling Fan Assy	1	371-04179-501	1	371-04179-503	1	371-04179-501	1	371-04179-503
170	Eprom, Microgateway	-	N/A	-	N/A	-	N/A	-	N/A
171	Flashcard, Logic Board (U52)	1	031-02649-003	1	031-02649-003	1	031-02649-003	1	031-02649-003
172	VSD Power Assembly Complete (See Page 46)	1	371-04192-102	1	371-04192-102	1	371-04192-102	1	371-04192-102
173	Fan Contactor	9	024-34916-000	9	024-34916-000	9	024-34916-000	9	024-34916-000
173A	Harness, Fan Contactor	1	571-04179-231	1	571-04179-231	1	571-04179-231	1	571-04179-231
175	Transformer, Current (Sys. 1&3) 300 : 0.1 Ratio	6	025-21173-010	6	025-21173-010	6	025-21173-010	6	025-21173-010
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-010	3	025-21173-010	3	025-21173-010
177	Fuse Holder (3 Pole)	4	025-39952-000	4	025-39952-000	4	025-39952-000	4	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40787-000	3	025-40787-000	3	025-40787-000	3	025-40787-000
182	Fuse, 30A (7-9FU, 14-16FU)	9	025-39683-000	9	025-39683-000	9	025-39683-000	9	025-39683-000
184	Fuse, 10A (4FU, 5FU, 19FU)	2	025-40149-000	2	025-40149-000	2	025-40149-000	2	025-40149-000
186	VSD Logic Board*	1	031-02507-001	1	031-02507-001	1	031-02507-001	1	031-02507-001

\* Note: Must order VSD Logic Board Kit (331-02507-606) when replacing Logic Board (031-02507-001) and U52 (031-02649-003).  
(Kit includes EPROMs and PWM Generator - 59 & 171).

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

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

**TABLE 7A (CONT'D) – VARIABLE SPEED DRIVE VARIABLE PARTS - 3 COMPRESSOR MODELS**  
(SEE: FIGS. 7A-7E, PAGES 32-36)

Item Number	Description	371-04179-709* -40		371-04179-710* -50		371-04179-713* -40		371-04179-714* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-005	1	371-04460-005	-	N/A	-	N/A
152	Single Point Circuit Breaker	-	N/A	-	N/A	1	371-04459-109	1	371-04459-109
155	Microgateway Board	1	031-02039-000	1	031-02039-000	1	031-02039-000	1	031-02039-000
156	Ground Lugs	4	025-20625-000	4	025-20625-000	4	025-20625-000	4	025-20625-000
157	Inductor	1	025-40741-000	1	025-40741-000	1	025-40741-000	1	025-40741-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-008	1	025-40114-006	1	025-40114-008	1	025-40114-006
169	Cooling Fan Ass'y	1	371-04179-512	1	371-04179-514	1	371-04179-512	1	371-04179-514
170	Eprom, Microgateway	1	031-02200-005	1	031-02200-005	1	031-02200-005	1	031-02200-005
171	Flashcard, Logic Board (U52)	1	031-02649-003	1	031-02649-003	1	031-02649-003	1	031-02649-003
172	VSD Power Assembly Complete (See Page 46)	1	371-04192-102	1	371-04192-102	1	371-04192-102	1	371-04192-102
173	Fan Contactor	9	024-34916-000	9	024-34916-000	9	024-34916-000	9	024-34916-000
173A	Harness, Fan Contactor	1	571-04179-231	1	571-04179-231	1	571-04179-231	1	571-04179-231
175	Transformer, Current (Sys. 1&3) 300 : 0.1 Ratio	6	025-21173-010	6	025-21173-010	6	025-21173-010	6	025-21173-010
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-010	3	025-21173-010	3	025-21173-010
177	Fuse Holder (3 Pole)	4	025-39952-000	4	025-39952-000	4	025-39952-000	4	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40787-000	3	025-40787-000	3	025-40787-000	3	025-40787-000
182	Fuse, 30A (7-9FU, 14-16FU)	9	025-39683-000	9	025-39683-000	9	025-39683-000	9	025-39683-000
184	Fuse, 10A (4FU, 5FU, 19FU)	2	025-40149-000	2	025-40149-000	2	025-40149-000	2	025-40149-000
186	VSD Logic Board*	1	031-02507-001	1	031-02507-001	1	031-02507-001	1	031-02507-001

\* Note: Must order VSD Logic Board Kit (331-02507-606) when replacing Logic Board (031-02507-001) and U52 (031-02649-003).  
(Kit includes EPROMs and PWM Generator - 59 & 171).

**Service Note:**

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

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

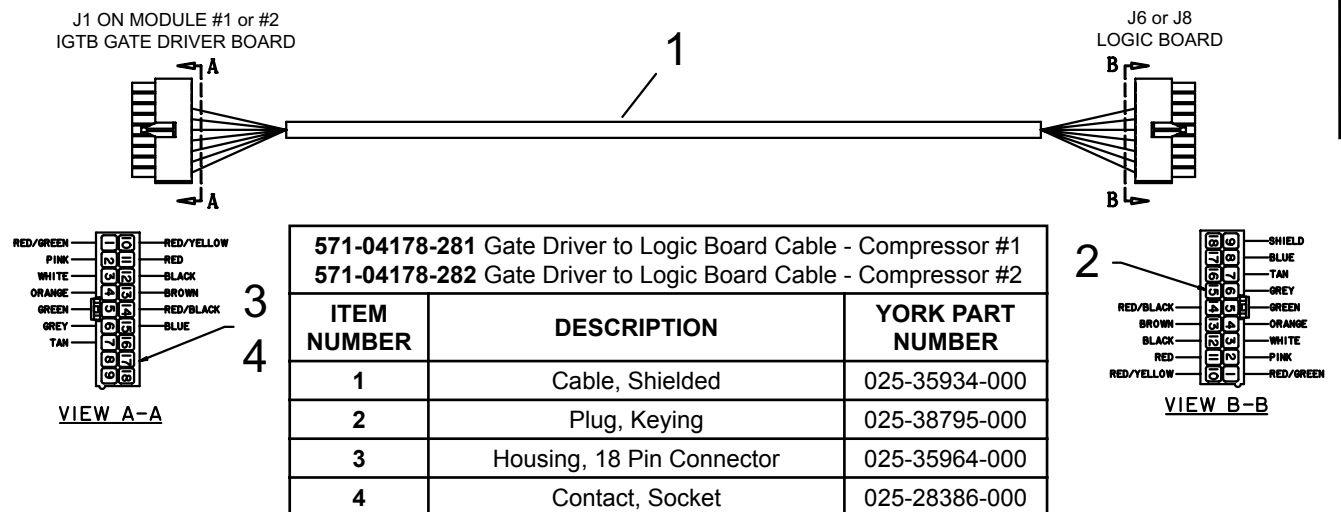
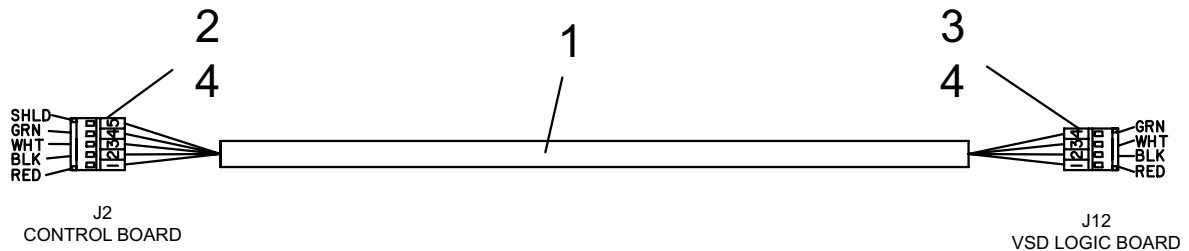
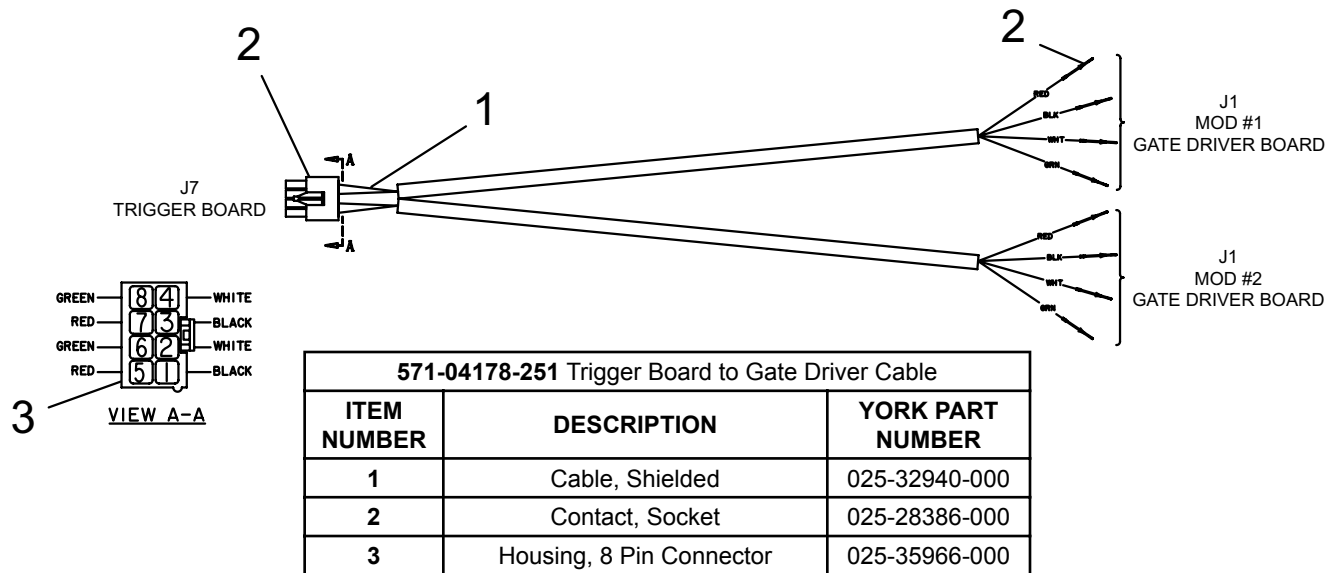


AUTOTRANSFORMER

**TABLE 8 – AUTOTRANSFORMER**

MODEL YCIV	VOLTAGE CODE	QUANTITY PER UNIT	YORK PART NUMBER	
			PIN #9 = S or P	PIN #9 = E or V
0267-0357	40	1	371-55898-006	
	46	n/a	Not Required	
	50	1	371-55898-007	
0397	40	1	371-55898-006	371-55898-009
	46	n/a	Not Required	Not Required
	50	1	371-55898-007	371-55898-010
0417-0527	40	1	371-55898-009	
	46	n/a	Not Required	
	50	1	371-55898-010	

# VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

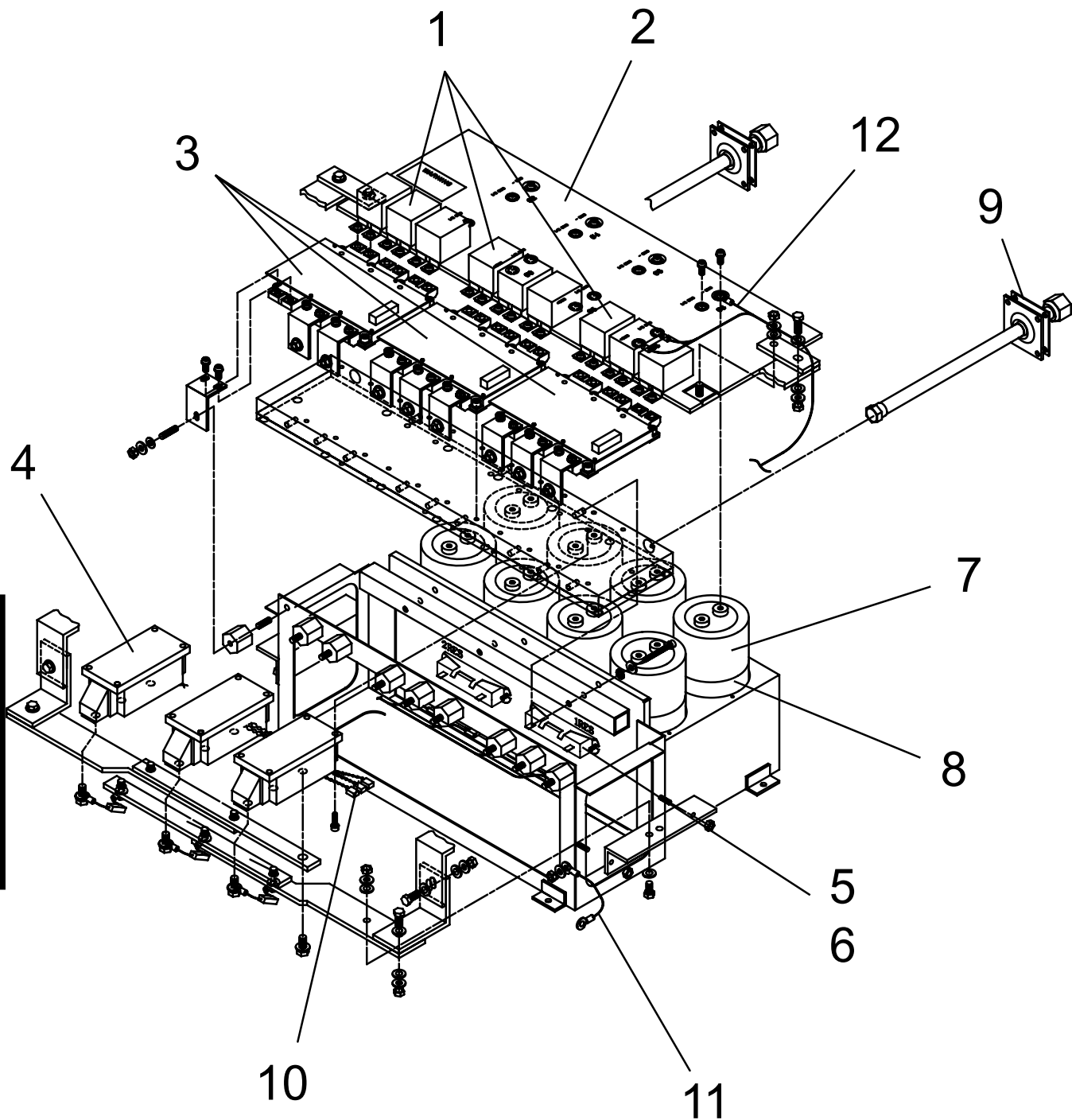


Variable Speed Drive

FIG. 8A – CABLE PART NUMBERS

# VARIABLE SPEED DRIVE POWER ASSEMBLY COMPONENTS - 3 COMPRESSOR UNITS

\*Note: For complete VSD Power Assembly Replacement Kit see ITEM #172, PAGES 39-43. VSD Power Assembly Replacement Kit includes all necessary items including Glycol.



**FIG. 9 – VARIABLE SPEED DRIVE POWER ASSEMBLY COMPONENTS - 3 COMPRESSOR UNITS (REF. TABLE 9, PAGE 47)**

## VARIABLE SPEED DRIVE POWER ASSEMBLY COMPONENTS - 3 COMPRESSOR UNITS (CONT'D)

**TABLE 9** – VARIABLE SPEED DRIVE (371-04192-101) POWER ASSEMBLY COMPONENTS  
- 3 COMPRESSOR UNITS (SEE FIG. 9, PAGE 46)

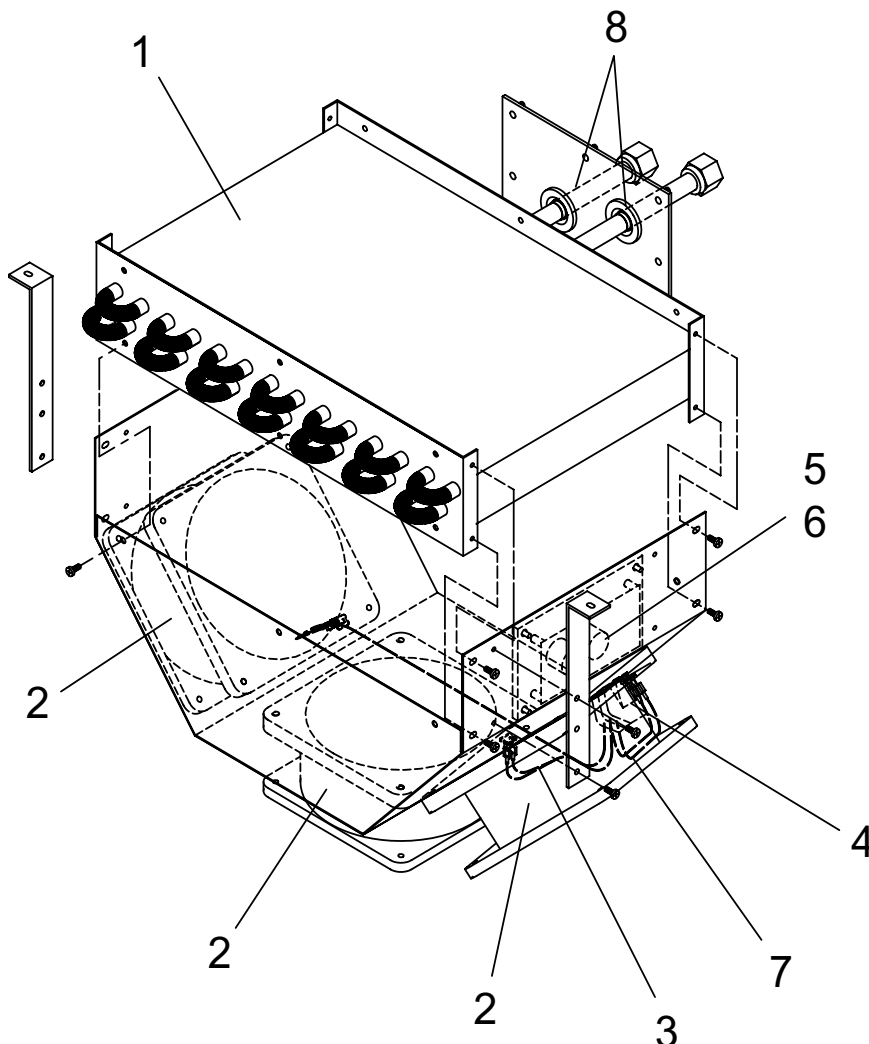
ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	YORK PART NUMBER
1	9	CAPACITOR (IGBT SNUBBER)	025-35972-000
2	1	BUSS PLATE KIT	371-04538-001
3	3	IGBT ASSEMBLY KIT*	371-04479-001
4	3	SCR/DIODE MODULE REPLACEMENT KIT	371-04539-001
5	2	RESISTOR	025-35157-000
6	2	THERMAL PAD	028-15299-000
7	8	CAPACITOR (BUSS)	025-39573-000
8	8	INSULATOR, CAPACITOR	071-02769-319
9	2	GASKET	028-15113-000
10	1	HARNESS, SCR TO TRIGGER BD.	571-04192-221
11	1	HARNESS, GROUND	571-04181-242
12	1	HARNESS, EQUALIZER	571-04192-241

\* Note: Includes IGBT Gate Driver and IGBT Module as an assembly. DO NOT attempt to replace the IGBT Gate Driver or the IGBT Module individually.

## VARIABLE SPEED DRIVE PANEL COOLING FAN ASSEMBLY COMPONENTS - 3 COMPRESSOR UNITS

**TABLE 10** – VARIABLE SPEED DRIVE FAN ASSEMBLY COMPONENTS  
3 COMPRESSOR UNITS (SEE FIG. 10)

ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	YORK PART NUMBER
1	1	COIL, GLYCOL COOLING	026-41590-000
2	3	FAN, COOLING 115V	025-40105-000
3	1	HARNESS, FAN ASSEMBLY	571-04179-241
4	2	TERMINAL BLOCK	025-20944-000
5	1	INVERTER (50HZ ONLY)	031-02533-000
6	AR	COMPOUND, HEAT CONDUCTIVE (USE WITH ITEM #5)	013-02997-000
7	1	HARNESS, INVERTER (50HZ ONLY)	571-04179-243
8	2	GROMMET	028-04873-000



04179-500c

**FIG. 10** – VARIABLE SPEED DRIVE FAN ASSEMBLY COMPONENTS  
3 COMPRESSOR UNITS (REF. TABLE 10)

# PLUG / JUMPER ARRANGEMENT

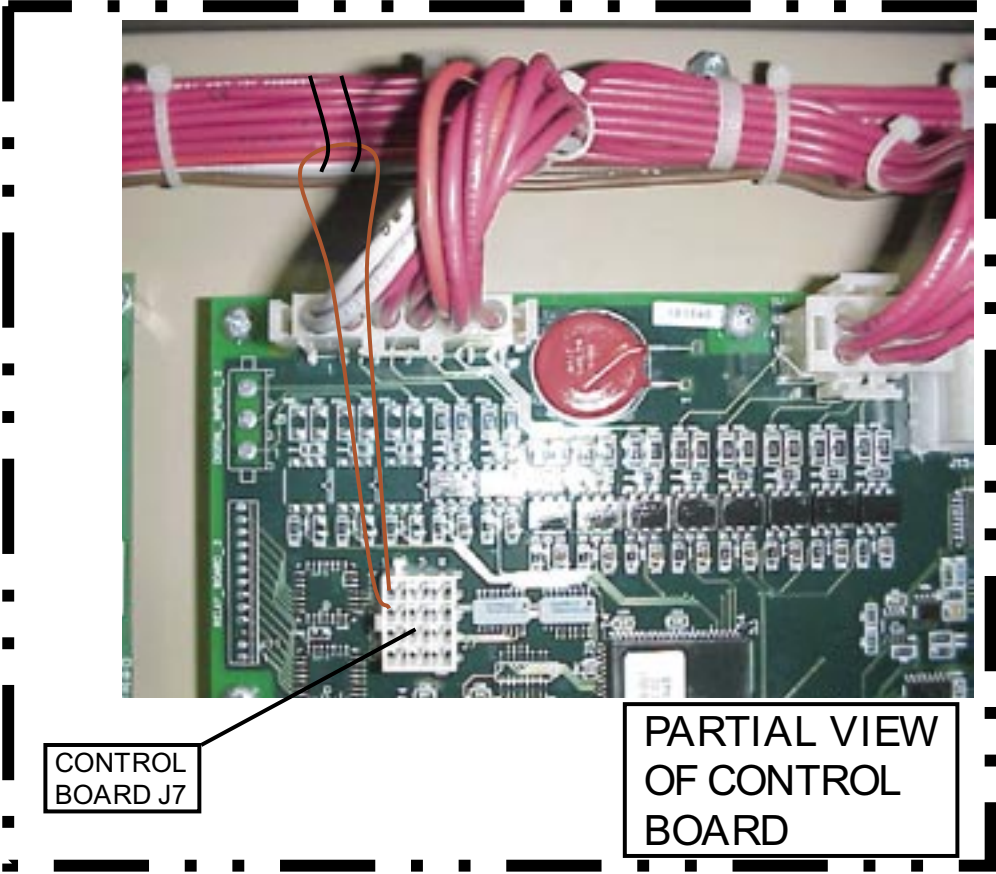



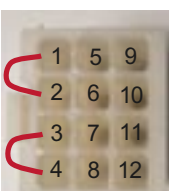
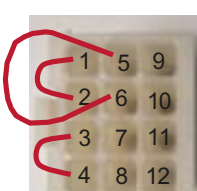
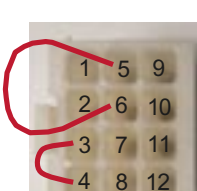
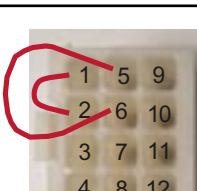


FIG. 11 – PLUG / JUMPER ARRANGEMENT (REF. TABLE 11, PAGE 50)

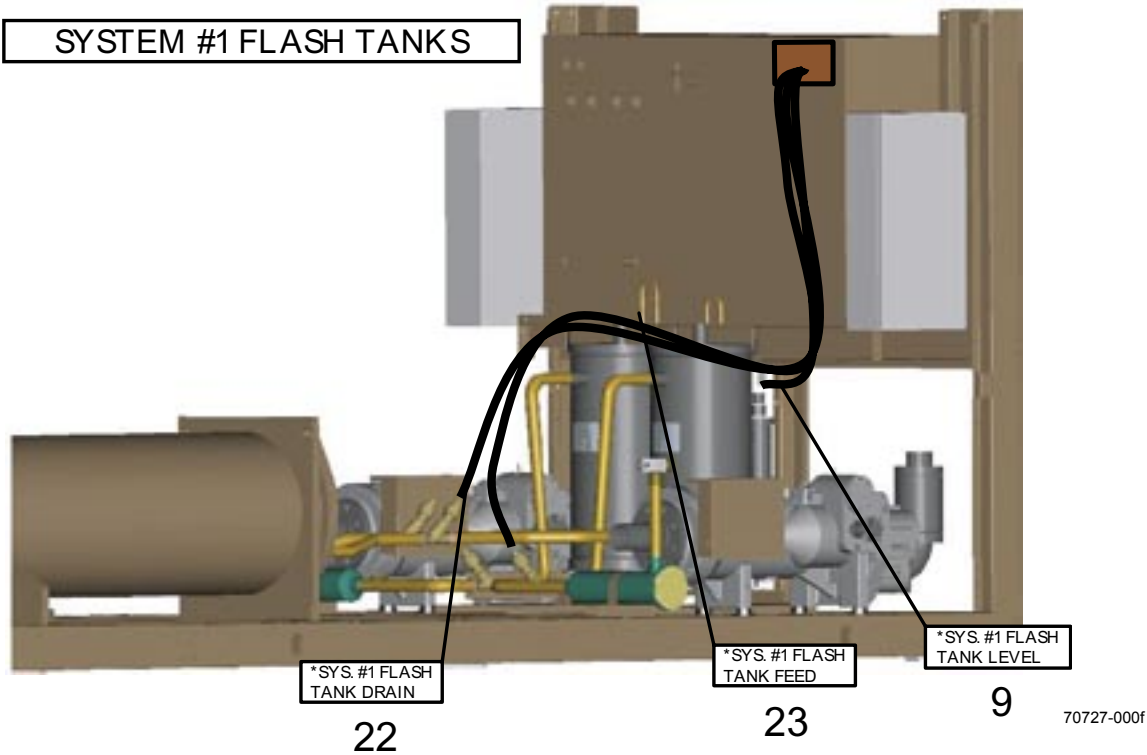
Variable Speed Drive

# PLUG / JUMPER ARRANGEMENT (CONT'D)

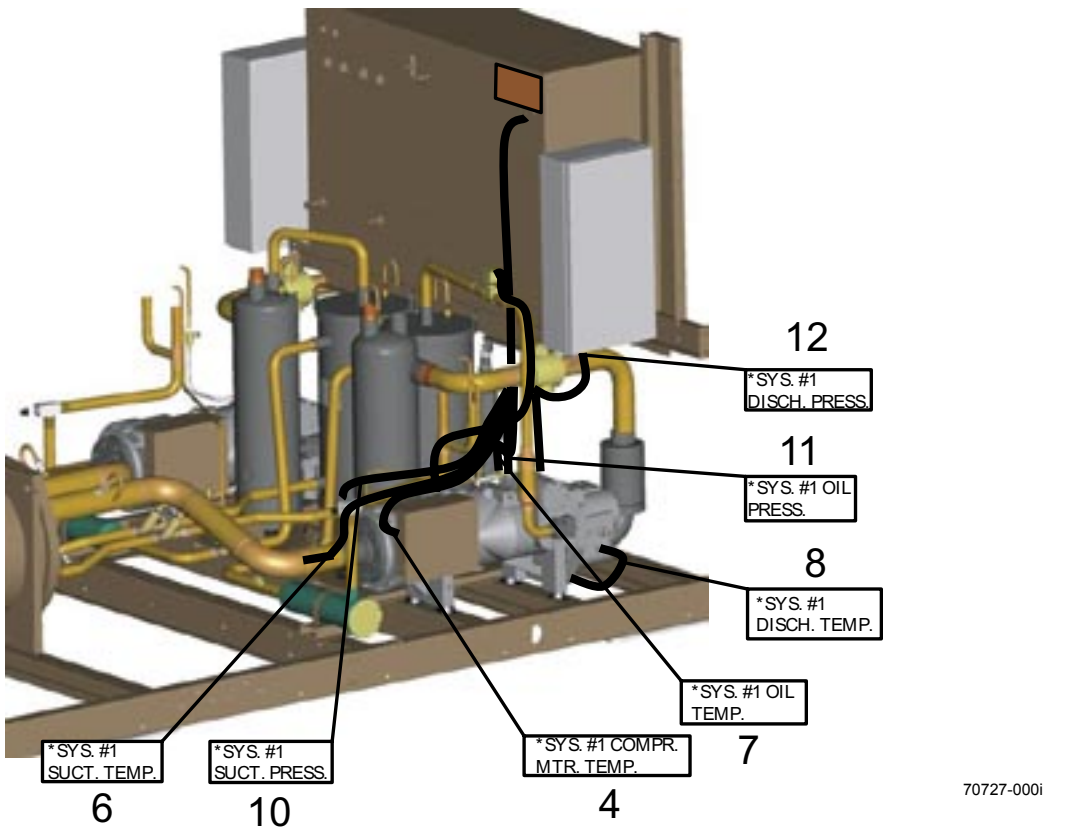
**TABLE 11 – PLUG / JUMPER ARRANGEMENT (SEE FIG. 11, PAGE 49)**

PLUG / JUMPER ARRANGEMENT			
PLUG P/N	JUMPER DETAIL	MODELS	MAX VSD FREQUENCY
371-04484-101		YCIV0267EA/VA - YCIV1050EA/VA	182
371-04484-102		YCIV0287SA/PA - YCIV1070SA/PA	186
371-04484-103		YCIV0327EA/VA - YCIV1220EA/VA YCIV0357EA/VA - YCIV1380EA/VA	192
371-04484-104		YCIV0357SA/PA - YCIV1340SA/PA YCIV0397SA/PA - YCIV1500SA/PA	200
371-04484-105		N/A	196
371-04484-106		YCIV0307SA/PA - YCIV1180SA/PA	188
371-04484-107		YCIV0287EA/VA - YCIV1120EA/VA	178

# SENSOR HARNESSSES



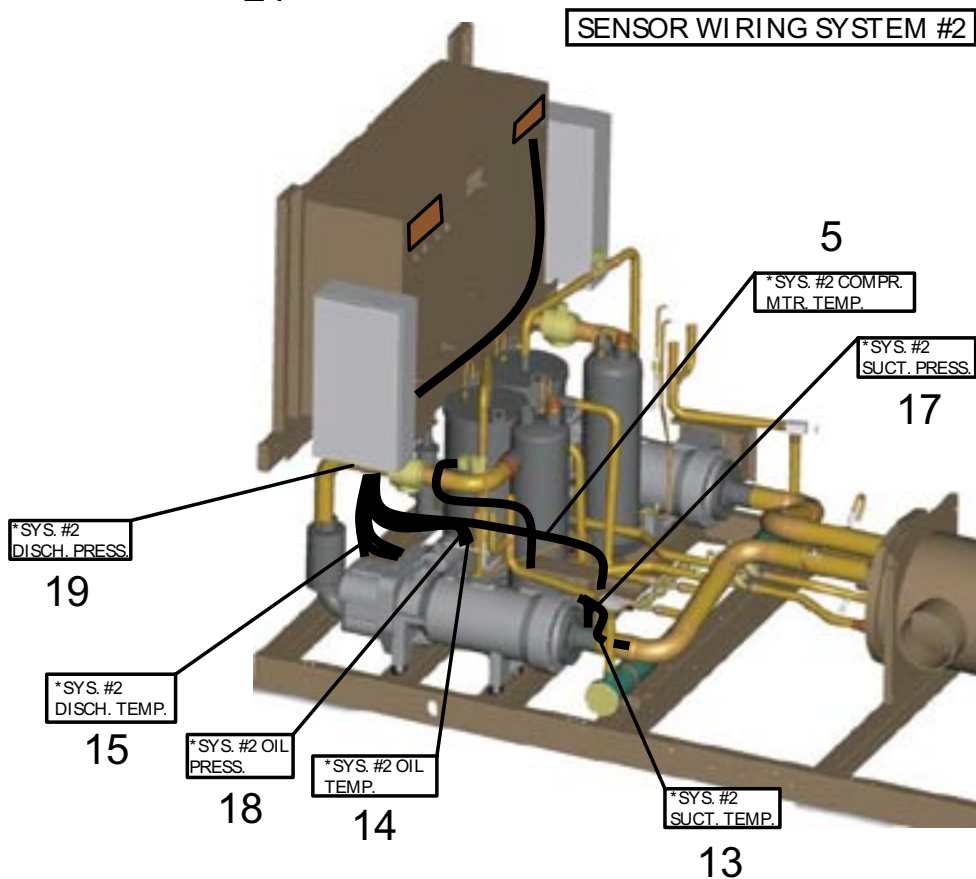
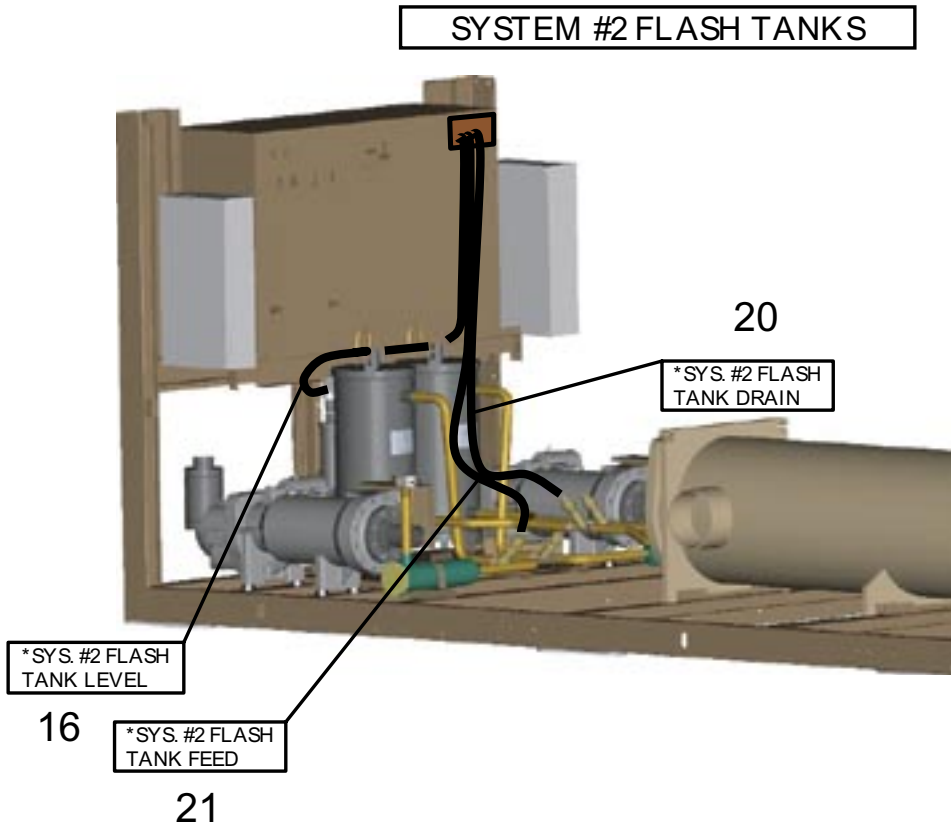
## SENSOR WIRING SYSTEM #1



Sensor Harnesses

FIG. 12A – HARNESS LAYOUT (REF. TABLE 12, PAGES 55-58)

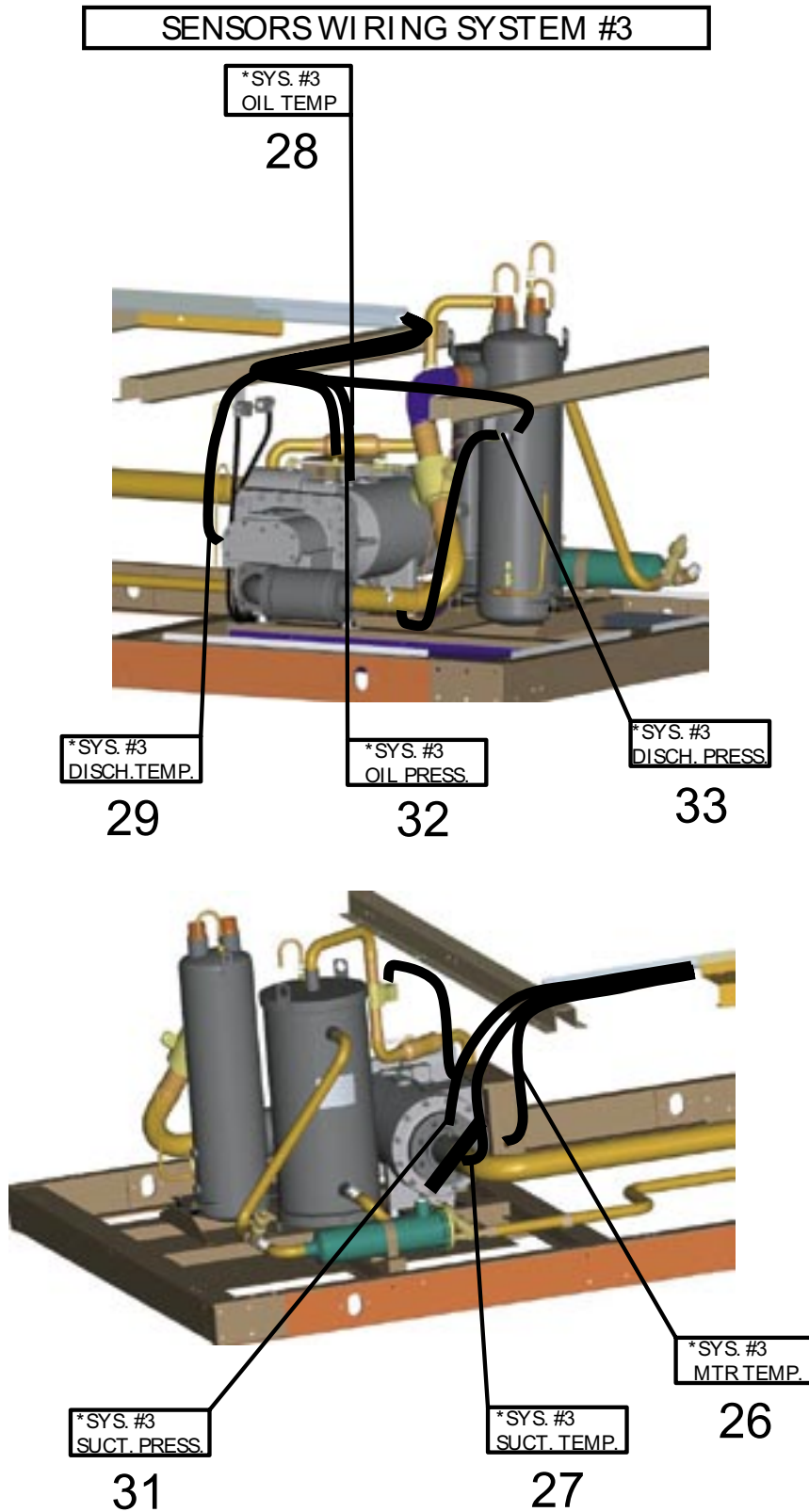
# SENSOR HARNESSSES (CONT'D)



Sensor Harnesses

FIG. 12B – HARNESS LAYOUT (REF. TABLE 12, PAGES 55-58)

# SENSOR HARNESES (CONT'D)

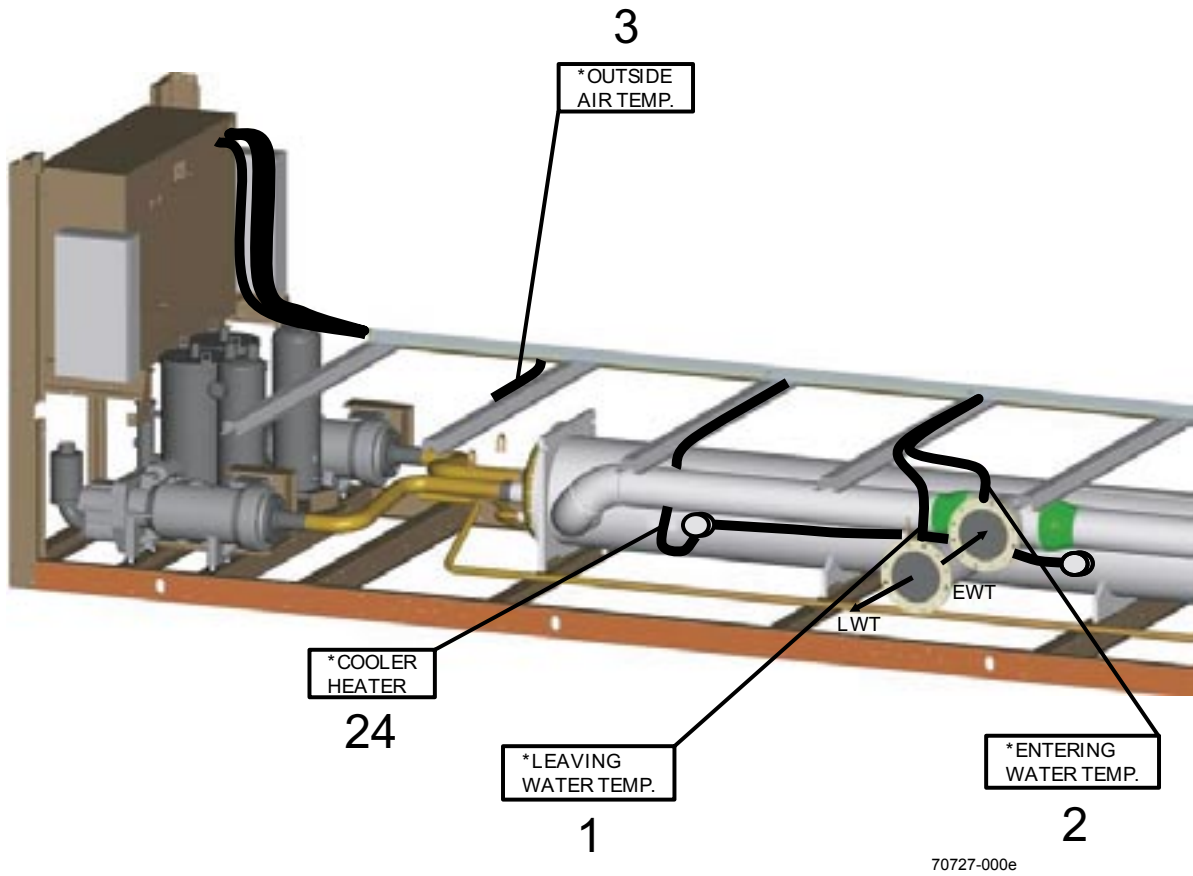
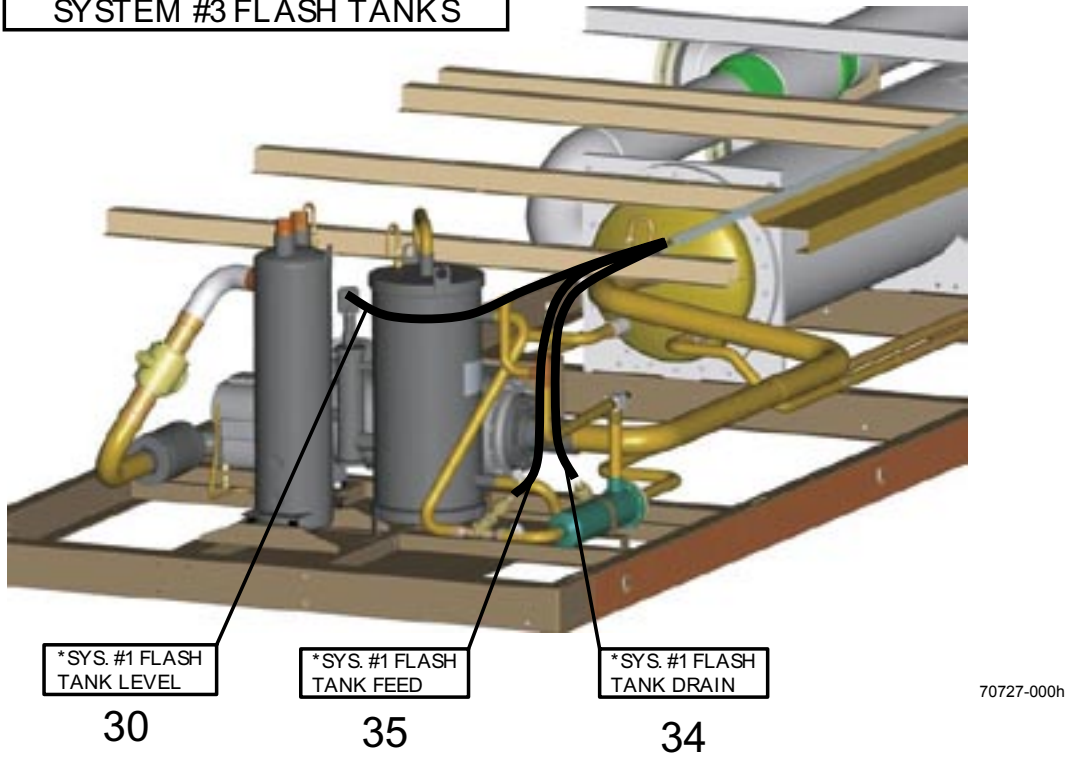


70727-000k

FIG. 12C – HARNESS LAYOUT (REF. TABLE 12, PAGES 55-58)

# SENSOR HARNESSSES (CONT'D)

## SYSTEM #3 FLASH TANKS




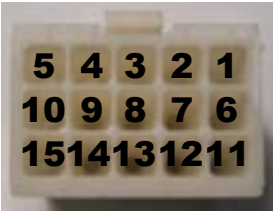


Sensor Harnesses

FIG. 12D – HARNESS LAYOUT (REF. TABLE 12, PAGES 55-58)


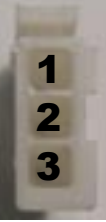
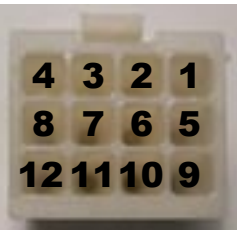
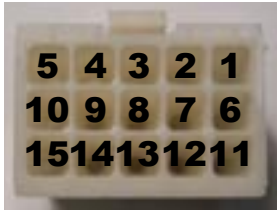
## SENSOR HARNESSES (CONT'D)

**TABLE 12 – SENSOR HARNESS WIRING**  
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 51-54)

SYSTEM #1 SENSOR WIRING										
Plug Detail	Plug and Pin P/N	Plug "P" No.	Plug Pin No.	Wire Color	Cable #	Function	Harness Assembly Part Number			
	Plug = 025-28383-000  Pin = 025-28386-000	P26	1	Green	4	System #1 Compressor Motor Temperature	575-65662-317			
			2	Red						
			3	Black						
			4	White						
						5	Drain	9	System #1 Flash Tank Level	575-65662-315
						6	White			
						7	Red			
						8	Black			
						9	Drain			
	Plug = 025-29185-000  Pin = 025-28386-000	P27	1	Black	6	System #1 Suction Temperature	575-65662-308			
			2	Red						
			3	Drain						
	Plug = 025-28384-000  Pin = 025-28386-000	P28	1	Black	8	System #1 Discharge Temperature	575-65662-310			
			2	Red						
			3	Drain						
						5	Green	22	System #1 Flash Tank Drain	575-65662-335
						6	Red			
						7	Black			
						8	White			
						9	Green			
						10	Red	23	System #1 Flash Tank Feed	575-65662-320
						11	Black			
						12	White			
				Plug = 025-28385-000  Pin = 025-28386-000	P29	1	White	10	System #1 Suction Pressure	575-65662-302
2	Red									
3	Black									
4	Drain									
6	White									
						7	Red	11	System #1 Oil Pressure	575-65662-304
						8	Black			
						9	Drain			
						11	White	12	System #1 Discharge Pressure	575-65662-306
						12	Red			
						13	Black			
14	Drain									
						5	Black	7	System #1 Oil Temperature	575-65662-300
						10	Red			
						15	Drain			


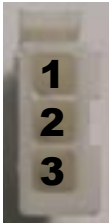

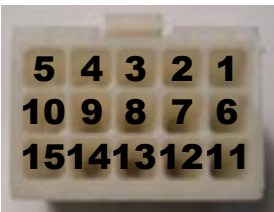
## SENSOR HARNESSES (CONT'D)

**TABLE 12 (CONT'D) – SENSOR HARNESS WIRING**  
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 51-54)

SYSTEM #2 SENSOR WIRING							
Plug Detail	Plug and Pin P/N	Plug "P" No.	Plug Pin No.	Wire Color	Cable #	Function	Harness Assembly Part Number
	Plug = 025-28383-001  Pin = 025-28386-000	P30	1	Green	5	System #2 Compressor Motor Temperature	575-65662-318
			2	Red			
			3	Black			
			4	White			
			5	Drain			
			6	White	16	System #2 Flash Tank Level	
			7	Red			
			8	Black			
			9	Drain			
	Plug = 025-29185-001  Pin = 025-28386-000	P31	1	Black	13	System #2 Suction Temperature	575-65662-309
			2	Red			
			3	Drain			
	Plug = 025-28384-001  Pin = 025-28386-000	P32	1	Black	15	System #2 Discharge Temperature	575-65662-311
			2	Red			
			3	Drain			
			5	Green	20	System #2 Flash Tank Drain	
			6	Red			
			7	Black			
			8	White			
			9	Green	21	System #2 Flash Tank Feed	
			10	Red			
			11	Black			
			12	White			
				Plug = 025-28385-001  Pin = 025-28386-000	P33	1	
2	Red						
3	Black						
4	Drain						
6	White						
7	Red	18				System #2 Oil Pressure	
8	Black						
9	Drain						
11	White						
12	Red	19				System #2 Discharge Pressure	
13	Black						
14	Drain						
5	Black						
10	Red	14				System #2 Oil Temperature	
15	Drain						

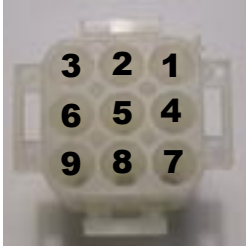
## SENSOR HARNESSES (CONT'D)


**TABLE 12 (CONT'D) – SENSOR HARNESS WIRING**  
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 51-54)

SYSTEM #3 SENSOR WIRING										
Plug Detail	Plug and Pin P/N	Plug "P" No.	Plug Pin No.	Wire Color	Cable #	Function	Harness Assembly Part Number			
	Plug = 025-28383-002  Pin = 025-28386-000	P48	1	Green	26	System #3 Compressor Motor Temperature	575-65662-356			
			2	Red						
			3	Black						
			4	White						
						5	Drain	30	System #3 Flash Tank Level	575-65662-355
						6	White			
						7	Red			
						8	Black			
						9	Drain			
	Plug = 025-29185-002  Pin = 025-28386-000	P49	1	Black	27	System #3 Suction Temperature	575-65662-353			
			2	Red						
			3	Drain						
	Plug = 025-28384-002  Pin = 025-28386-000	P50	1	Black	29	System #3 Discharge Temperature	575-65662-354			
			2	Red						
			3	Drain						
						5	Green	34	System #3 Flash Tank Drain	575-65662-357
						6	Red			
						7	Black			
						8	White			
						9	Green	35	System #3 Flash Tank Feed	575-65662-358
						10	Red			
11	Black									
12	White									
	Plug = 025-28385-002  Pin = 025-28386-000	P51	1	White	31	System #3 Suction Pressure	575-65662-350			
			2	Red						
			3	Black						
			4	Drain						
						6	White	32	System #3 Oil Pressure	575-65662-351
						7	Red			
						8	Black			
						9	Drain	33	System #3 Discharge Pressure	575-65662-352
						11	White			
						12	Red			
						13	Black			
			14	Drain	28	System #3 Oil Temperature	575-65662-349			
			5	Black						
			10	Red						
			15	Drain						

## SENSOR HARNESSES (CONT'D)

**TABLE 12 (CONT'D) – SENSOR HARNESS WIRING**  
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 51-54)

UNIT SENSOR WIRING										
Plug Detail	Plug and Pin P/N	Plug "P" No.	Plug Pin No.	Wire Color	Cable #	Function	Harness Assembly Part Number			
	Plug = 025-21192-000  Pin = 025-19673-000	P25	1	Black	1	Leaving Water Temperature	575-65662-333			
			2	Red						
			3	Drain						
						4	Black	2	Entering Water Temperature	575-65662-334
						5	Red			
						6	Drain			
						7	Black	3	Outside Air Temperature	575-65662-314
						8	Red			
						9	Drain			

UNIT CONTROL WIRING							
Plug Detail	Plug and Pin P/N	Plug "P" No.	Plug Pin No.	Wire Number	Cable #	Function	Harness Assembly Part Number
	Plug = 025-21417-000  Pin = 025-20919-000	P36	1	2	24	Cooler Heater	575-65662-225
			2	29			
			3	34			
			4	Ground			

# TRANSDUCERS AND TEMP SENSORS

## SENSOR WIRING SYSTEM #1

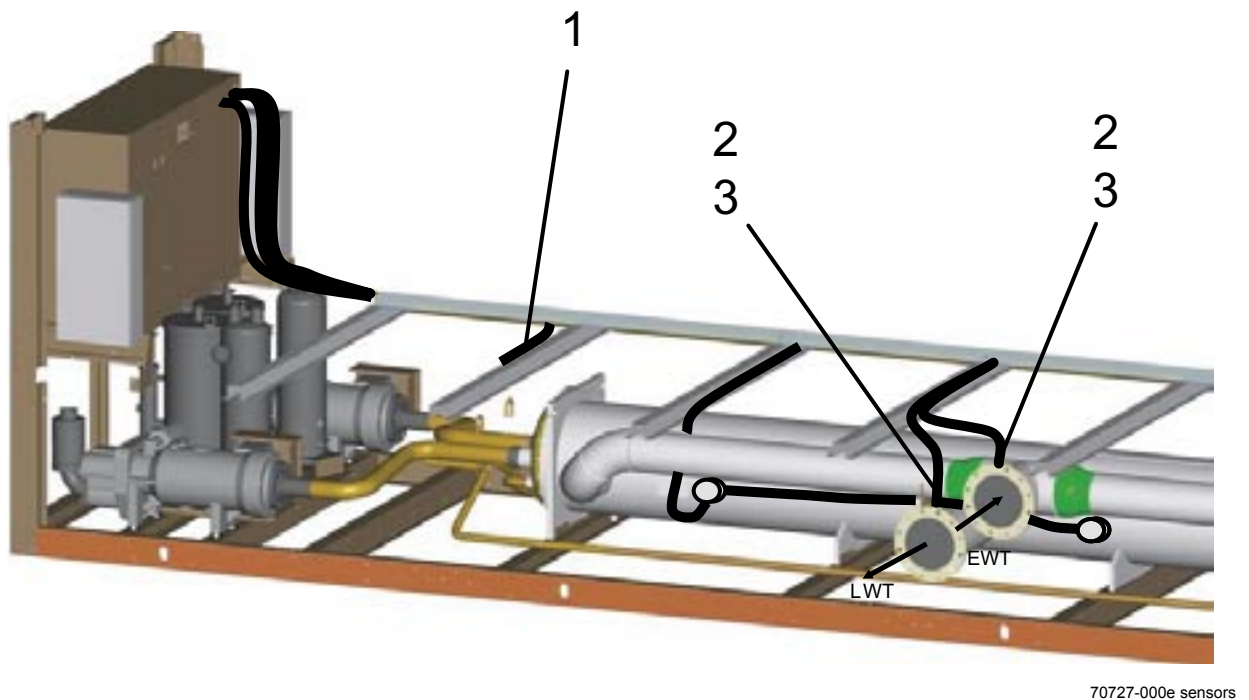
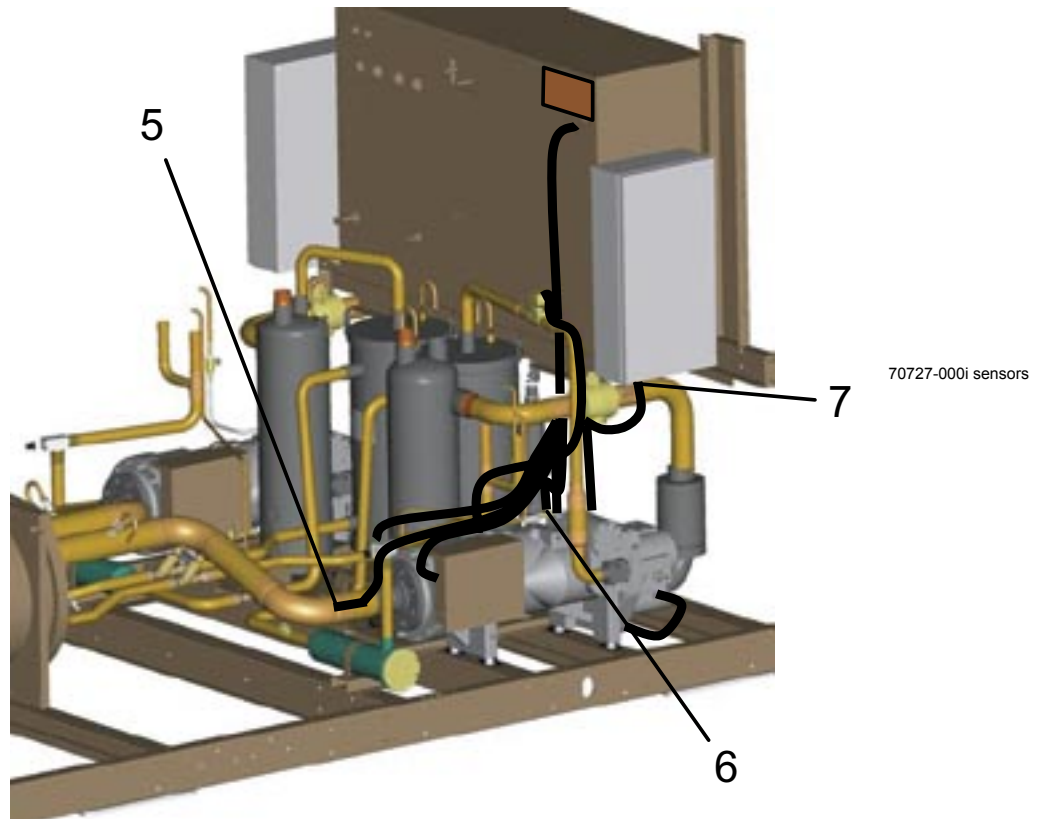
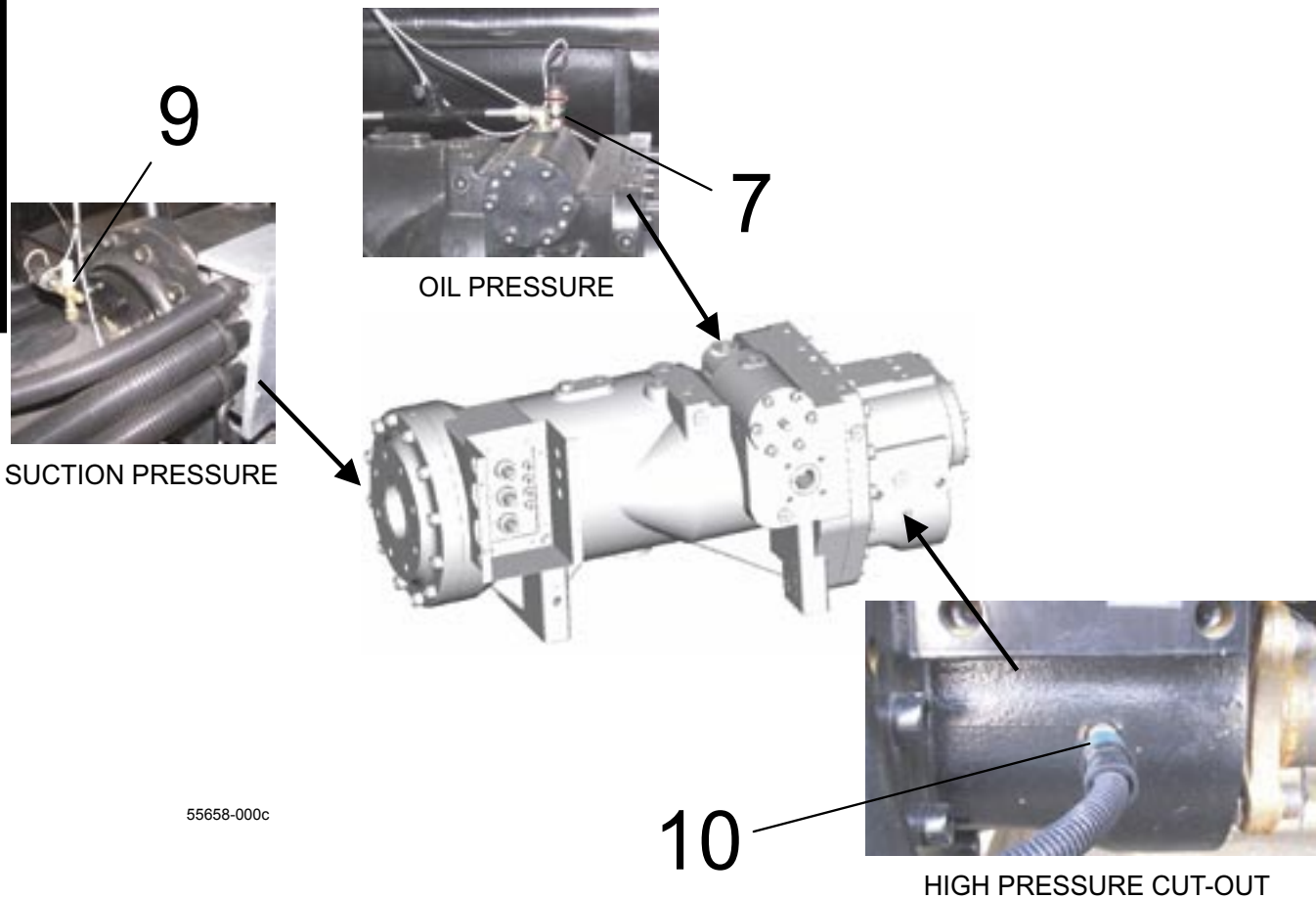


FIG. 13 – TRANSDUCERS AND TEMP SENSORS (REF. TABLE 13, PAGE 60)

## TRANSDUCERS AND TEMP SENSORS (CONT'D)



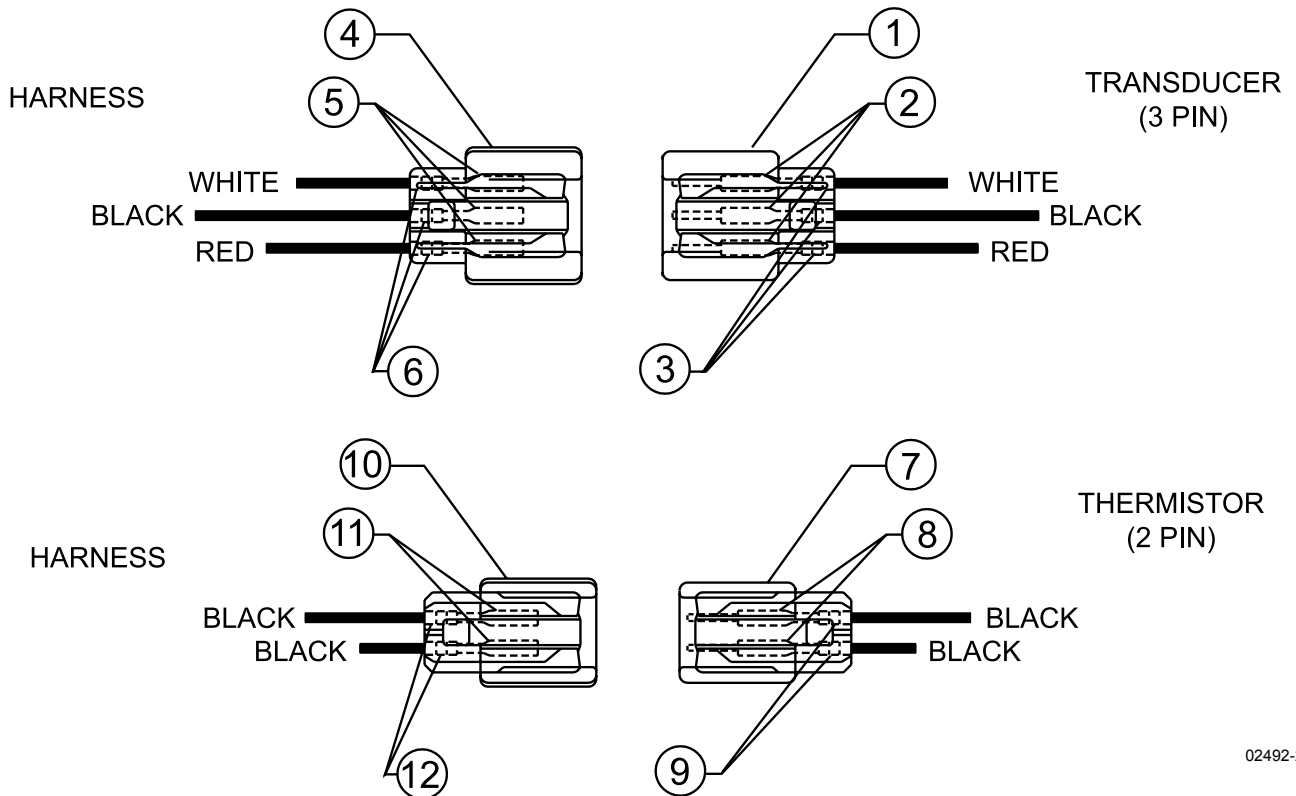
**FIG. 13A** – TRANSDUCERS AND HIGH PRESSURE CUT-OUT (REF. TABLE 13)

**TABLE 13** – TRANSDUCERS, TEMP SENSORS AND HIGH PRESSURE CUT-OUT SWITCH (SEE FIGS. 13 AND 13A, PAGES 59 AND 60)

Item #	Quantity	Description	Voltage Code	Part Number
1 <sup>s</sup>	1	Sensor, Outside Air Temperature	All	025-28663-001
2 <sup>s</sup>	2	Sensor, Water Temp. (EWT, LWT)	All	025-40334-000
3	-	Compound, Heat Conductive	All	013-00898-000
4 <sup>s</sup>	2 per system	Sensor, Discharge Temperature	All	025-32924-000
5 <sup>s</sup>	1 per system	Sensor, Suction Temperature	All	025-28935-000
6 <sup>s</sup>	1 per system	Sensor, Oil Temperature	All	025-30440-000
7 <sup>s</sup>	1 per system	Transducer, Oil Pressure (0-275psi)	All	025-29139-003
9 <sup>s</sup>	1 per system	Transducer, Suction Pressure (0-125psi)	All	025-29583-001
10	1 per system	High Pressure Cut Out Switch	All	025-39956-000

<sup>s</sup> Recommended Spare Part

## TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS



02492-2b

**FIG. 14 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS (REF. TABLE 14)**

**TABLE 14 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS (SEE FIG. 14)**

Item No.	Location	Description	Pins	Part Number
1	Transducer	Plug Connector	3 Pin End	025-28953-000
2		Contact Pins		025-28949-000
3		Rubber Collar		025-28950-000
4	Wire Harness	Plug Connector	3 Pin End	025-28954-000
5		Contact Pins		025-28952-000
6		Rubber Collar		025-28950-000
7	Temperature Sensor	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

<sup>s</sup> Recommended Spare Part

## VIBRATION ISOLATORS

### UNITS SHIPPED BEFORE JUNE 15TH, 2008

**TABLE 15 – INDIVIDUAL VIBRATION ISOLATOR PART NUMBERS**

<b>ONE INCH DEFLECTION SPRING ISOLATOR CROSS REFERENCE</b>				
FOR UNITS WITH <b>ALL</b> POINT LOADS LESS THAN 1404 LBS. (637 KG.)				
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
239 to 384 lbs.	108 to 174 kg.	CIP-B-450	RED	029-24583-002
384 to 639 lbs.	174 to 290 kg.	CIP-B-750	WHITE	029-24583-003
639 to 851 lbs.	290 to 386 kg.	CIP-B-1000	BLUE	029-24583-004
851 to 1064 lbs.	386 to 483 kg.	CIP-B-1250	GRAY	029-24583-005
1064 to 1404 lbs.	483 to 637 kg.	CIP-B-1650	BLACK	029-24583-006
FOR UNITS WITH <b>ANY</b> POINT LOAD ABOVE 1404 LBS. (637 KG.)				
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
Up to 851 lbs.	Up to 386 kg.	CIP-C-1000	BLACK	029-24583-007
851 to 1149 lbs.	386 to 521 kg.	CIP-C-1350	YELLOW	029-24583-008
1149 to 1489 lbs.	521 to 675 kg.	CIP-C-1750	RED/BLACK	029-24583-009
1489 to 1786 lbs.	675 to 810 kg.	CIP-C-2100	RED/YELLOW	029-24583-010
1786 to 2028 lbs.	810 to 920 kg.	CIP-C-2385	GREEN/YELLOW	029-24583-011
2028 to 2254 lbs.	920 to 1022 kg.	CIP-C-2650	RED/RED	029-24583-012
2254 to 2936 lbs.	1022 to 1332 kg.	CIP-C-2935	GREEN/RED	029-24583-013

<b>NEOPRENE ISOLATOR CROSS REFERENCE</b>				
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
Up to 751 lbs.	Up to 341 kg.	ND-C	YELLOW	029-24584-001
751 to 1651 lbs.	341 to 749 kg.	ND-D	YELLOW	029-24584-002
1651 to 3226 lbs.	749 to 1463 kg.	ND-E	YELLOW	029-24584-003

<b>TWO INCH DEFLECTION, SEISMIC SPRING ISOLATOR CROSS REFERENCE</b>				
WEIGHT RANGE (lbs.)	WEIGHT RANGE (kg.)	VENDOR PART NUMBER	COLOR	YORK PART NUMBER
Up to 358 lbs.	Up to 162 kg.	SLRS-2-C2-420	RED	029-24585-006
358 to 443 lbs.	162 to 201 kg.	SLRS-2-C2-520	WHITE	029-24585-007
443 to 582 lbs.	201 to 264 kg.	SLRS-2-C2-660	BLACK	029-24585-008
582 to 783 lbs.	264 to 335 kg.	SLRS-2-C2-920	BLUE	029-24585-009
783 to 1038 lbs.	335 to 471 kg.	SLRS-2-C2-1220	GREEN	029-24585-010
1038 to 1497 lbs.	471 to 679 kg.	SLRS-2-C2-1760	GRAY	029-24585-011
1497 to 2058 lbs.	679 to 933 kg.	SLRS-2-C2-2420	SILVER	029-24585-012
2058 to 2619 lbs.	933 to 1188 kg.	SLRS-2-C2-3080	GRAY/RED	029-24585-013
2619 to 3180 lbs.	1188 to 1442 kg.	SLRS-2-C2-3740	SILVER/RED	029-24585-014

## VIBRATION ISOLATORS

### UNITS SHIPPED ON OR AFTER JUNE 15TH, 2008

**TABLE 15 (CONT'D) – INDIVIDUAL VIBRATION ISOLATOR PART NUMBERS**

<b>ONE INCH DEFLECTION SPRING ISOLATOR CROSS REFERENCE</b>				
FOR UNITS WITH <b>ALL</b> POINT LOADS LESS THAN 1404 LBS. (637 KG.)				
<b>WEIGHT RANGE (lbs.)</b>	<b>WEIGHT RANGE (kg.)</b>	<b>VENDOR PART NUMBER</b>	<b>COLOR</b>	<b>YORK PART NUMBER</b>
Up to 435 lbs.	Up to 197 kg.	CP-1D-510	BLACK	029-25334-002
435 to 766 lbs.	197 to 347 kg.	CP-1D-900	DK GREEN	029-25334-003
766 to 1021 lbs.	347 to 463 kg.	CP-1D-1200	GRAY	029-25334-004
1021 to 1157 lbs.	463 to 525 kg.	CP-1D-1360	WHITE	029-25334-005
1157 to 1518 lbs.	525 to 689 kg.	CP-1D-1785N	GRAY/RED	029-25334-006
FOR UNITS WITH <b>ANY</b> POINT LOAD ABOVE 1404 LBS. (637 KG.)				
<b>WEIGHT RANGE (lbs.)</b>	<b>WEIGHT RANGE (kg.)</b>	<b>VENDOR PART NUMBER</b>	<b>COLOR</b>	<b>YORK PART NUMBER</b>
Up to 1149 lbs.	Up to 521 kg.	C2P-1D-1350	DK PURPLE	029-25334-008
1149 to 1531 lbs.	521 to 695 kg.	C2P-1D-1800	DK GREEN	029-25334-009
1531 to 2041 lbs.	695 to 926 kg.	C2P-1D-2400	GRAY	029-25334-010
2041 to 2313 lbs.	926 to 1049 kg.	C2P-1D-2720	WHITE	029-25334-012
2313 to 3036 lbs.	1049 to 1377 kg.	C2P-1D-3570N	GRAY/RED	029-25334-013

<b>DURALENE ISOLATOR CROSS REFERENCE</b>				
<b>WEIGHT RANGE (lbs.)</b>	<b>WEIGHT RANGE (kg.)</b>	<b>VENDOR PART NUMBER</b>	<b>COLOR</b>	<b>YORK PART NUMBER</b>
Up to 826 lbs.	Up to 375 kg.	RD-3 CHARCOAL-WR	CHARCOAL	029-25335-001
826 to 1689 lbs.	375 to 766 kg.	RD-4 BRICK RED-WR	BRICK RED	029-25335-002
1689 to 3001 lbs.	766 to 1362 kg.	RD-4 CHARCOAL-WR	CHARCOAL	029-25335-004

<b>TWO INCH DEFLECTION, SEISMIC SPRING ISOLATOR CROSS REFERENCE</b>				
<b>WEIGHT RANGE (lbs.)</b>	<b>WEIGHT RANGE (kg.)</b>	<b>VENDOR PART NUMBER</b>	<b>COLOR</b>	<b>YORK PART NUMBER</b>
Up to 392 lbs.	Up to 178 kg.	Y2RSI-2D-460	GREEN	029-25336-006
392 to 605 lbs.	178 to 274 kg.	Y2RSI-2D-710	DK BROWN	029-25336-008
605 to 741 lbs.	274 to 336 kg.	Y2RSI-2D-870	RED	029-25336-009
741 to 1021 lbs.	336 to 463 kg.	Y2RSI-2D-1200N	RED/BLACK	029-25336-010
1021 to 1438 lbs.	463 to 652 kg.	Y2RSI-2D-1690	PINK	029-25336-011
1438 to 2245 lbs.	652 to 1018 kg.	Y2RSI-2D-2640N	PINK/GRAY	029-25336-012
2245 to 2619 lbs.	1018 to 1188 kg.	Y2RSI-2D-2870N	PINK/GRAY/ORANGE	029-25336-013
2619 to 3180 lbs.	1188 to 1442 kg.	Y2RSI-2D-3280N	PINK/GRAY/DK GRAY	029-25336-014

## YCIV CHILLER OPTIONS

**TABLE 16 – FIELD INSTALLED OPTIONS PART NUMBERS**

MODEL NUMBER YCIV	STANDARD 150# FLOW SWITCH	OPTIONAL 300# FLOW SWITCH	CHICAGO RELIEF VALVE KIT (60 Hz ONLY)	WELD FLANGE KIT	VICTAULIC FLANGE KIT	DIFFERENTIAL PRESSURE SWITCH
MODEL #	024-26116	024-12144	375-	023-02336	023-19201	025-30919
0267EV/1050	-000	-000	71253-001	-000	-000	-000
0287SP/1070						
0287EV/1120						
0307SP/1180			71253-002			
0327EV/1220						
0357SP/1340			71253-003			
0357EV/1380			71253-002			
0397SP/1500			71253-003			

\*\* NOTE: Champagne Paint Spray Bomb - 013-03355-000.

## ENCLOSURE KIT OPTIONS

**TABLE 17 – ENCLOSURE KIT OPTIONS - FULL KIT PART NUMBERS**

FULL ENCLOSURE KIT PART NUMBERS				
MODEL NUMBER YCIV-	WIRE ENCLOSURE		LOUVERED ENCLOSURE	
	STANDARD EFFICIENCY	HIGH EFFICIENCY	STANDARD EFFICIENCY	HIGH EFFICIENCY
<b>0267 / 1050</b>	N/A	475-72018-014	N/A	475-72019-014
<b>0287 / 1070</b>	475-72018-013	N/A	475-72019-013	N/A
<b>0287 / 1120</b>	N/A	475-72018-015	N/A	475-72019-015
<b>0307 / 1180</b>	475-72018-014	N/A	475-72019-014	N/A
<b>0327 / 1220</b>	N/A	475-72018-016	N/A	475-72019-016
<b>0357 / 1340</b>	475-72018-016	N/A	475-72019-016	N/A
<b>0357 / 1380</b>	N/A	475-72018-018	N/A	475-72019-018
<b>0397 / 1500</b>	475-72018-018	N/A	475-72019-018	N/A

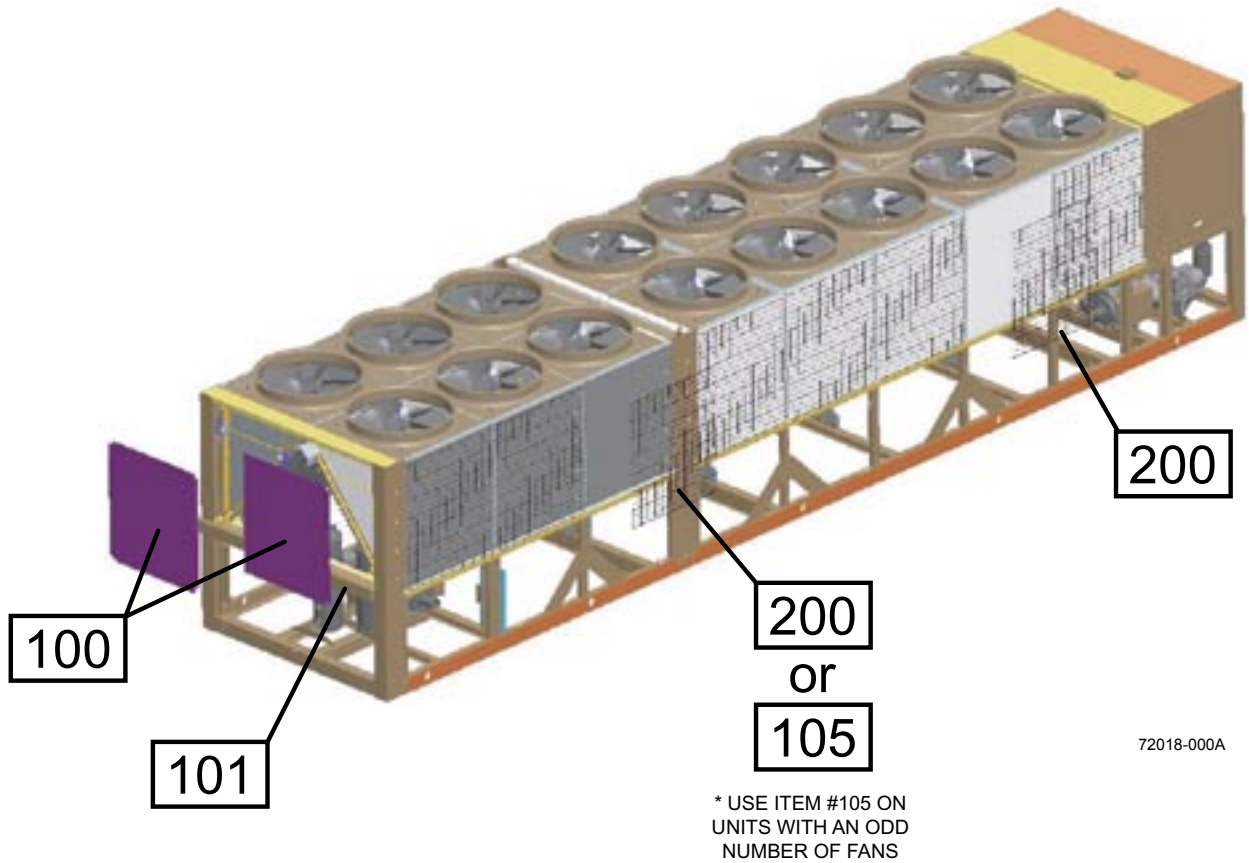
FULL ENCLOSURE KIT PART NUMBERS				
MODEL NUMBER YCIV-	WIRE/LOUVERED ENCLOSURE		LOUVERED ENCLOSURE (COND. ONLY)	
	STANDARD EFFICIENCY	HIGH EFFICIENCY	STANDARD EFFICIENCY	HIGH EFFICIENCY
<b>0267 / 1050</b>	N/A	475-72024-014	N/A	475-72019-140
<b>0287 / 1070</b>	475-72024-013	N/A	475-72019-130	N/A
<b>0287 / 1120</b>	N/A	475-72024-015	N/A	475-72019-150
<b>0307 / 1180</b>	475-72024-014	N/A	475-72019-140	N/A
<b>0327 / 1220</b>	N/A	475-72024-016	N/A	475-72019-160
<b>0357 / 1340</b>	475-72024-016	N/A	475-72019-160	N/A
<b>0357 / 1380</b>	N/A	475-72024-018	N/A	475-72019-180
<b>0397 / 1500</b>	475-72024-018	N/A	475-72019-180	N/A

## ENCLOSURE KIT OPTIONS (CONT'D)

**TABLE 17A – ENCLOSURE KIT OPTIONS - TOP AND BOTTOM SECTIONS**  
(SEE FIGS. 15-18, PAGES 83-87)

ENCLOSURE	FULL KIT NUMBER	TOP SECTION PART NUMBER	BOTTOM SECTION PART NUMBER
WIRE	475-72018-013	375-72018-130	375-72018-131
	475-72018-014	375-72018-140	375-72018-141
	475-72018-015	375-72018-150	375-72018-151
	475-72018-016	375-72018-160	375-72018-161
	475-72018-018	375-72018-180	375-72018-181
LOUVERED	475-72019-013	375-72019-130	375-72019-131
	475-72019-014	375-72019-140	375-72019-141
	475-72019-015	375-72019-150	375-72019-151
	475-72019-016	375-72019-160	375-72019-161
	475-72019-018	375-72019-180	375-72019-181
WIRE/ LOUVERED	475-72024-013	375-72019-130	375-72018-131
	475-72024-014	375-72019-140	375-72018-141
	475-72024-015	375-72019-150	375-72018-151
	475-72024-016	375-72019-160	375-72018-161
	475-72024-018	375-72019-180	375-72018-181
LOUVERED ENCLOSURE (COND. ONLY)	475-72019-130	375-72019-130	N/A
	475-72019-140	375-72019-140	
	475-72019-150	375-72019-150	
	475-72019-160	375-72019-160	
	475-72019-180	375-72019-180	

## ENCLOSURE KIT OPTIONS (CONT'D)



Enclosure Options

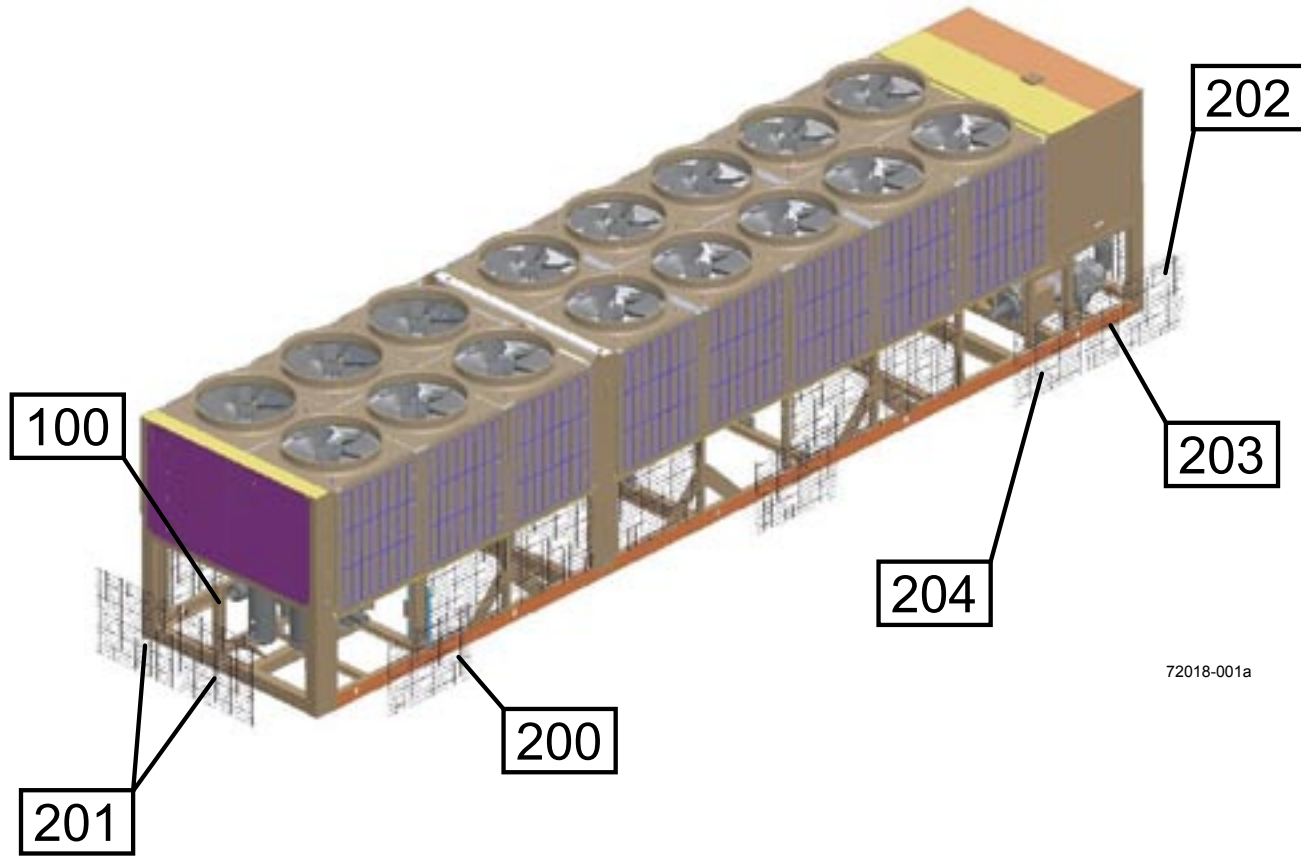
**FIG. 15 – WIRE ENCLOSURE (TOP SECTIONS) - 375-72018-013 SHOWN (REF. TABLE 18)**

**TABLE 18 – WIRE ENCLOSURE (TOP SECTIONS) - (SEE FIG. 15)**

WIRE ENCLOSURE TOP SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	END PANEL	075-70838-000	2
101	CHANNEL	075-65637-000	1
105	SIDE PANEL *	075-56977-000	2
200	WIRE GRILL	026-41776-000	13**

- \*\* Refer to page 66, Quantity for 375-72018-140 = 14
- \*\* Refer to page 66, Quantity for 375-72018-150 = 15
- \*\* Refer to page 66, Quantity for 375-72018-160 = 16
- \*\* Refer to page 66, Quantity for 375-72018-180 = 18

## ENCLOSURE KIT OPTIONS (CONT'D)



72018-001a

Enclosure Options

**FIG. 16 – WIRE ENCLOSURE (BOTTOM SECTIONS) - 375-72018-013 SHOWN (REF. TABLE 19)**

**TABLE 19 – WIRE ENCLOSURE (BOTTOM SECTIONS) - (SEE FIG. 16)**

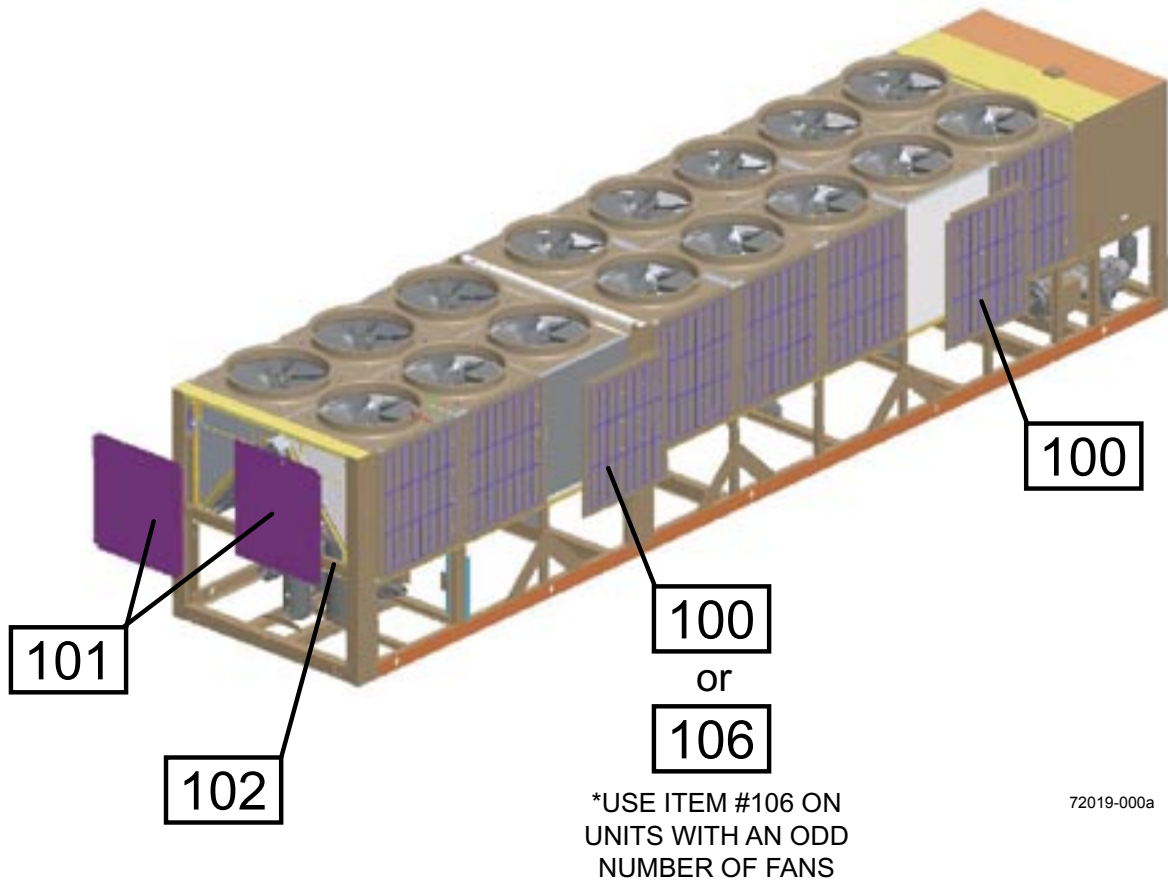
WIRE ENCLOSURE BOTTOM SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	REAR SUPPORT	075-65639-000	1
200	WIRE GRILL	026-44013-000	12**
201	WIRE GRILL	026-44018-000	4
202	WIRE GRILL	026-44017-000	2
203	WIRE GRILL	026-44016-000	2
204	WIRE GRILL	026-44015-000	2

\*\* Refer to page 66, Quantity for 375-72018-014 = 12

\*\* Refer to page 66, Quantity for 375-72018-015 and -016 = 14

\*\* Refer to page 66, Quantity for 375-72018-018 = 16

## ENCLOSURE KIT OPTIONS (CONT'D)



Enclosure Options

**FIG. 17 – LOUVERED ENCLOSURE (TOP SECTIONS) - 375-72019-013 SHOWN (REF. TABLE 20)**

**TABLE 20 – LOUVERED ENCLOSURE (TOP SECTIONS) - (SEE FIG. 17)**

LOUVERED ENCLOSURE TOP SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	LOUVER PANEL	075-56976-000	13**
101	END PANEL	075-70838-000	2
102	CHANNEL SUPPORT	075-65637-000	1
106	ENCLOSURE PANEL*	075-66961-000	1

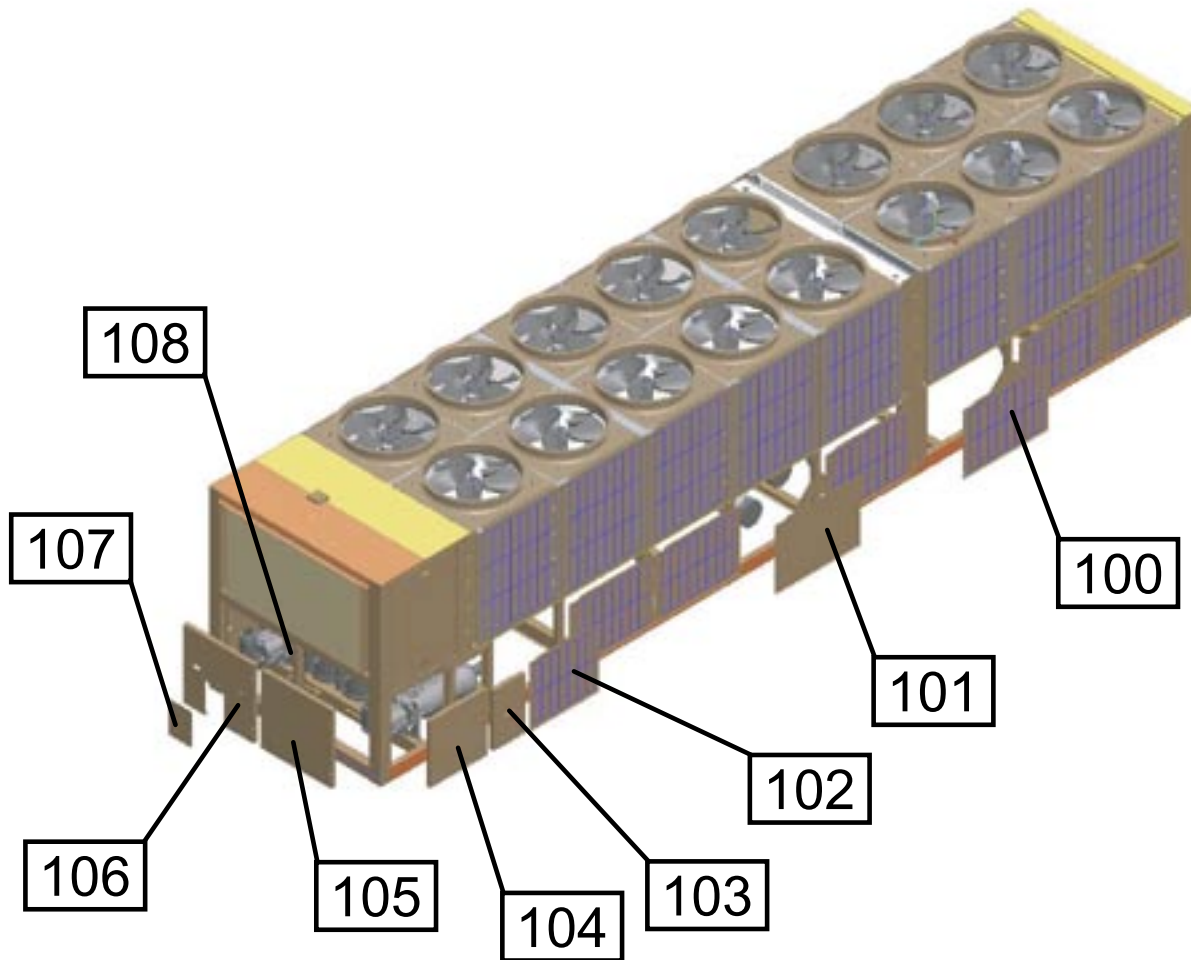
\*\* Refer to page 66, Quantity for 375-72019-014 = 14

\*\* Refer to page 66, Quantity for 375-72019-015 = 15

\*\* Refer to page 66, Quantity for 375-72019-016 = 16

\*\* Refer to page 66, Quantity for 375-72019-018 = 18

## ENCLOSURE KIT OPTIONS (CONT'D)



72019-001

**FIG. 18 – LOUVERED ENCLOSURE (BOTTOM SECTIONS)**  
375-72019-013 SHOWN (REF. TABLE 21)

**TABLE 21 – LOUVERED ENCLOSURE (BOTTOM SECTIONS) (SEE FIG. 18)**

LOUVERED ENCLOSURE BOTTOM SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	LOUVER PANEL	075-68132-000	11**
101	LOUVER PANEL	075-72021-000	1
102	LOUVER PANEL	075-68131-000	2
103	LOUVER PANEL, SIDE	075-66949-000	2
104	LOUVER PANEL, SIDE	075-65694-000	2
105	LOUVER PANEL, END	075-65693-000	3
106	COVER PANEL	075-65691-000	1
107	COVER PLATE	075-65692-000	1
108	SUPPORT	075-65639-000	1

\*\* Refer to page 66, Quantity for 375-72019-014 = 11

\*\* Refer to page 66, Quantity for 375-72019-015 and -016 = 13

\*\* Refer to page 66, Quantity for 375-72019-018 = 15

# RECOMMENDED SPARE PARTS

York Model YCIV Style A Air Cooled Screw Chillers  
Suggested Spare Parts List for Critical Duty Applications

**TABLE 22 – RECOMMENDED SPARE PARTS - YCIV0267/1050-YCIV0397/1500 CHILLERS**

PAGE REF. & ITEM NUMBER	DESCRIPTION	MODEL NUMBER YCIV	PART NUMBER
Page 14, Item 1	Fan Motor (Standard)	-40	024-27322-104
		-46	024-27322-107
		-50	
Page 14, Item 1	Fan Motor (Low Noise)	-40	024-34980-005
		-46	024-34980-001
		-50	024-34980-003
Page 14, Item 2	Fan Blade (Standard)	All	026-41594-000
	Fan Blade (Low Noise)	-40 and -46	026-41942-000
		-50	026-45549-000
Pages 18, 19, 20 and 21, Item 1	Valve, Control (Feed or Drain)	See Table 4	025-41565-000
Pages 18, 19, 20 and 21, Item 5	Core, Dehydrator	All	026-37540-000
Pages 18, 19, 20 and 21, Item 18	Sensor, Refrig Level	All	025-40274-000
Page 23, Item 10	Cap, Radiator	All	023-21927-000
Page 23, Item 13	Coolant Propylene Glycol (5 gallon)	All	013-03344-000
Page 24, Item OIL	Oil, Compressor (Type 'L')	R-134A	011-00592-000
Page 24, Item FILTER	Filter, Oil		026-35601-000
Page 24, Item O-RING	O-ring, Filter Cover		028-13849-000
Page 37, Item 28	Chiller Control Board	All	031-02478-001
Page 37, Item 28A	EPROM, Chiller Control Board (Standard)	All	031-02476-001
	EPROM, Chiller Control Board (Optimized)		031-02476-002
Page 38, Item 72	Controller, Drain/Feed Valve (Straight Flow)	All	031-02742-000
Page 60, Item 1	Sensor, Outside Air Temperature	All	025-28663-001
Page 60, Item 2	Sensor, Water Temp. (EWT, LWT)	All	025-40334-000
Page 60, Item 4	Sensor, Discharge Temperature	All	025-32924-000
Page 60, Item 5	Sensor, Suction Temperature	All	025-28935-000
Page 60, Item 6	Sensor, Oil Temperature	All	025-30440-000
Page 60, Item 7 and 8	Transducer, Discharge & Oil Pressure (0-275psi)	All	025-29139-003
Page 60, Item 9	Transducer, Suction Pressure (0-125psi)	All	025-29583-001

Spare Parts

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

