



AIR-COOLED SCREW LIQUID CHILLERS

RENEWAL PARTS

Supercedes: 201.23-RP1 (918)

Form: 201.23-RP1 (921)

**MODELS YCIV0590, 0600, 0630, 0650, 0700, 0720,
0760, 0770, 0800, 0830, 0840, 0920, 0930, AND YCIV1000
STYLE A**



R-134a
50 Hz



Issue Date:
September 30, 2021



IMPORTANT!

READ BEFORE PROCEEDING!

GENERAL SAFETY GUIDELINES

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

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

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

SAFETY SYMBOLS

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



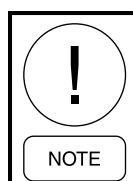
Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.



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



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



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



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

CHANGEABILITY OF THIS DOCUMENT

In complying with Johnson Controls' policy for continuous product improvement, the information contained in this document is subject to change without notice. Johnson Controls makes no commitment to update or provide current information automatically to the manual or product owner. Updated manuals, if applicable, can be obtained by contacting the nearest Johnson Controls Service office or accessing the Johnson Controls Knowledge Exchange website at <https://docs.johnsoncontrols.com/chillers/>

It is the responsibility of rigging, lifting, and operating/ service personnel to verify the applicability of these documents to the equipment. If there is any question regarding the applicability of these documents, rigging, lifting, and operating/service personnel should verify whether the equipment has been modified and if current literature is available from the owner of the equipment prior to performing any work on the chiller.

REVISION NOTES

Revisions made to this document are indicated in the following table. These revisions are to technical information, and any other changes in spelling, grammar, or formatting are not included.

Affected pages	Description
43	Updated variable speed drive power assembly components

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

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

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

LOW VOLTAGE

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

UNIT NOMENCLATURE NAMEPLATE ENGINEERING DATA

BASIC PART NUMBER

YCIV0207EA40VAA

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	: YORK Chiller Air Cooled Screw V	#	#	#	Tons/Kw #	S Standard P Standard Optimized E High Efficiency V High Efficiency Optimized	A :R-134a	1 2 4 4 5 5	7 8 0 0 6 8	:200/3/60 :230/3/60 :380/3/60 :460/3/60 :380-415/3/50 :575/3/60	A A	:Design Series A : :Engineering Change or PIN Level
							0157-0590 0177-0630 0187-0650 0197-0720 0207-0760 0227-0830 0247-0930 0267-1000					V :Variable Speed Drive		

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 X	X	# #
B X	T	T S
S S	C	C
C S	B	S
	M	B
	S	P
	F	D
	G	
	I	
	P	
T	H	
O	L	
	N	
	L	
	N	
	C	
	Q	
	O	
	S	H

: SP TB	: No Ambient Kit	: Low Temp. Brine (LBrT)
: SP CB	: Temp. Reset / Offset	: Thermal Storage
: SP TB w/ Ind. Sys. NF Disc. Sw.	: Current Reset / Offset	: Chicago Relief Code
: SP CB w/ Ind. Sys. NF Disc. Sw.	: Temp. and Current Reset / Offset	: Service Isolation Valve
:	: ISN Microgateway	: Both Chicago Relief
:	: Spanish LCD & Keypad Display	: Code & Isolation Valve
:	: French LCD & Keypad Display	: Pressure Relief Valve
:	: German LCD & Keypad Display	: Kit
:	: Italian LCD & Keypad Display	: Both Pressure Relief & Isolation Valve Kit
:	: Portuguese LCD & Keypad Display	: Service Isolation Valve
:	: Hungarian LCD & Keypad Display	
:	: Polish LCD & Keypad Display	
: Control Transformer	: Silent Night	
: Convenience Outlet	: N. American Safety Code (cU.L./cETL)	
	: No Listing (typically 50 HZ non-CE, non-U.L.)	
	: No Listing (typically 50 HZ CE, U.L.)	
	: Pump Control	
	: OptiView Remote Panel	
	: Sequence Control & Automatic Lead Transfer	

MP = Multiple Point

SP = Single Point

NF = Non-Fused

TB = Terminal Block

Ser. = Service

Ind. Sys. Brkr. & L. Ext. Handles = Individual System Breaker & Lockable External Handle

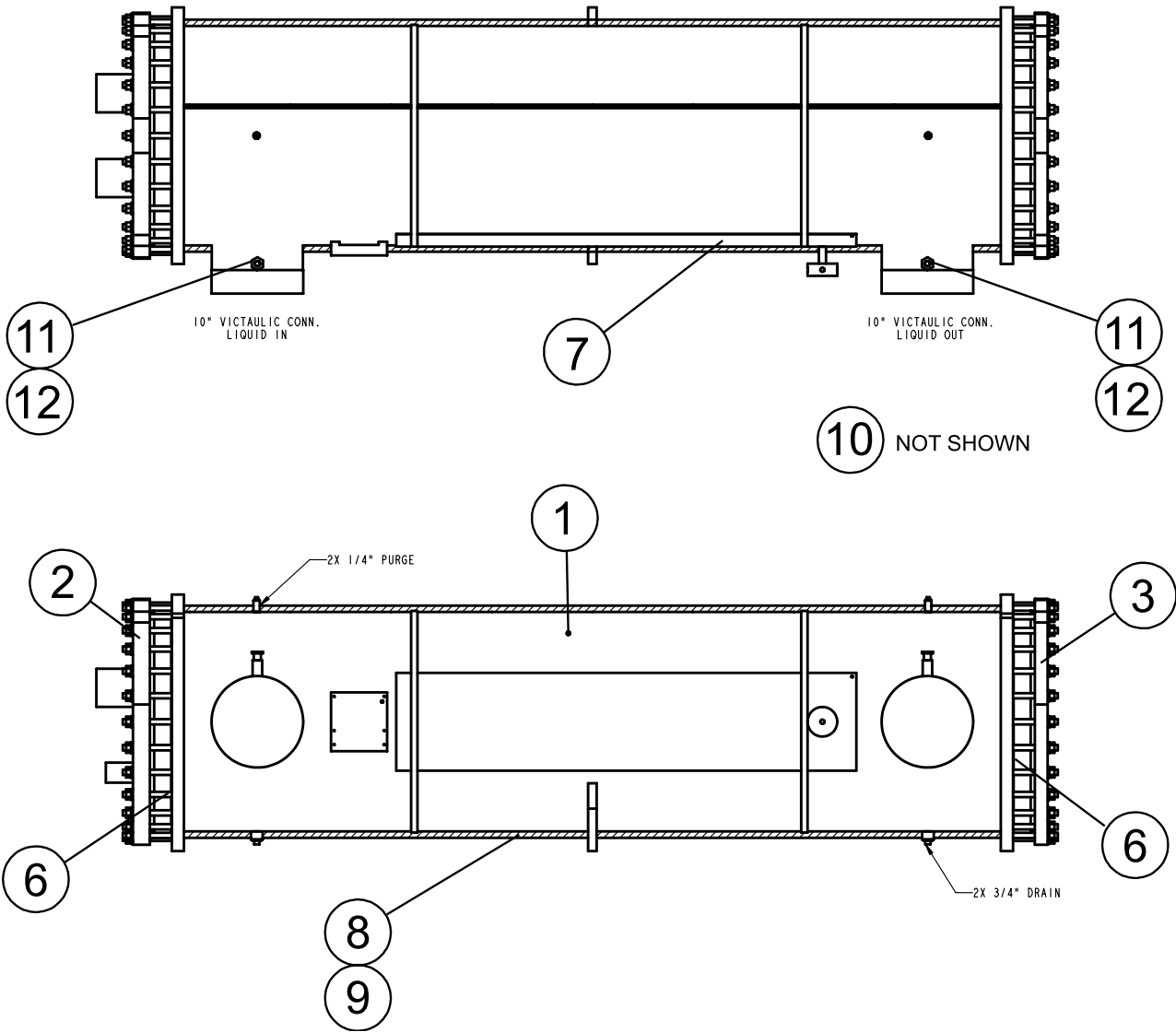
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EVAPORATOR COMPONENTS

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

67005-911

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

EVAPORATOR COMPONENTS (CONT'D)

RIGHT HANDED

TABLE 1 – EVAPORATOR COMPONENTS - PIN #9 = 'S OR P' (SEE FIG. 1, PAGE 6)

ITEM #	QTY PER UNIT	DESCRIPTION	DWP	UNIT MODEL YCIV0600	UNIT MODELS YCIV0650 AND YCIV0720	UNIT MODELS YCIV0770, 0840, 0920 AND YCIV1000
1	1	Evaporator, Fully Insulated with Heater	ALL	375-67011-991	375-67007-991	375-67005-991
		Evaporator, less Heater & Insulation		375-67011-990	375-67007-000	375-67005-000
2	1	Head, Connection End	ALL	075-54517-000	075-54488-000	075-53210-000
3	1	Head, Back End	ALL	075-54515-000	075-54486-000	075-53206-000
4	1	Baffle, Connection End	ALL	075-54519-000	075-54490-000	075-65302-000
5	1	Baffle, Back End	ALL	075-54514-000	075-54485-000	075-65302-000
6	2	Gasket, Baffle and Head	ALL	075-54520-000	075-54491-000	075-54103-000
7	2	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000	025-22691-000
8	-	Insulation (3/4"x49"x65")	ALL	010-05997-000	010-05997-000	010-05997-000
9	-	Insulation (1 1/2"x49"x65")		010-05998-000	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	025-40334-000
12	2	Well, Thermo	ALL	026-33627-000	026-33627-000	026-33627-000

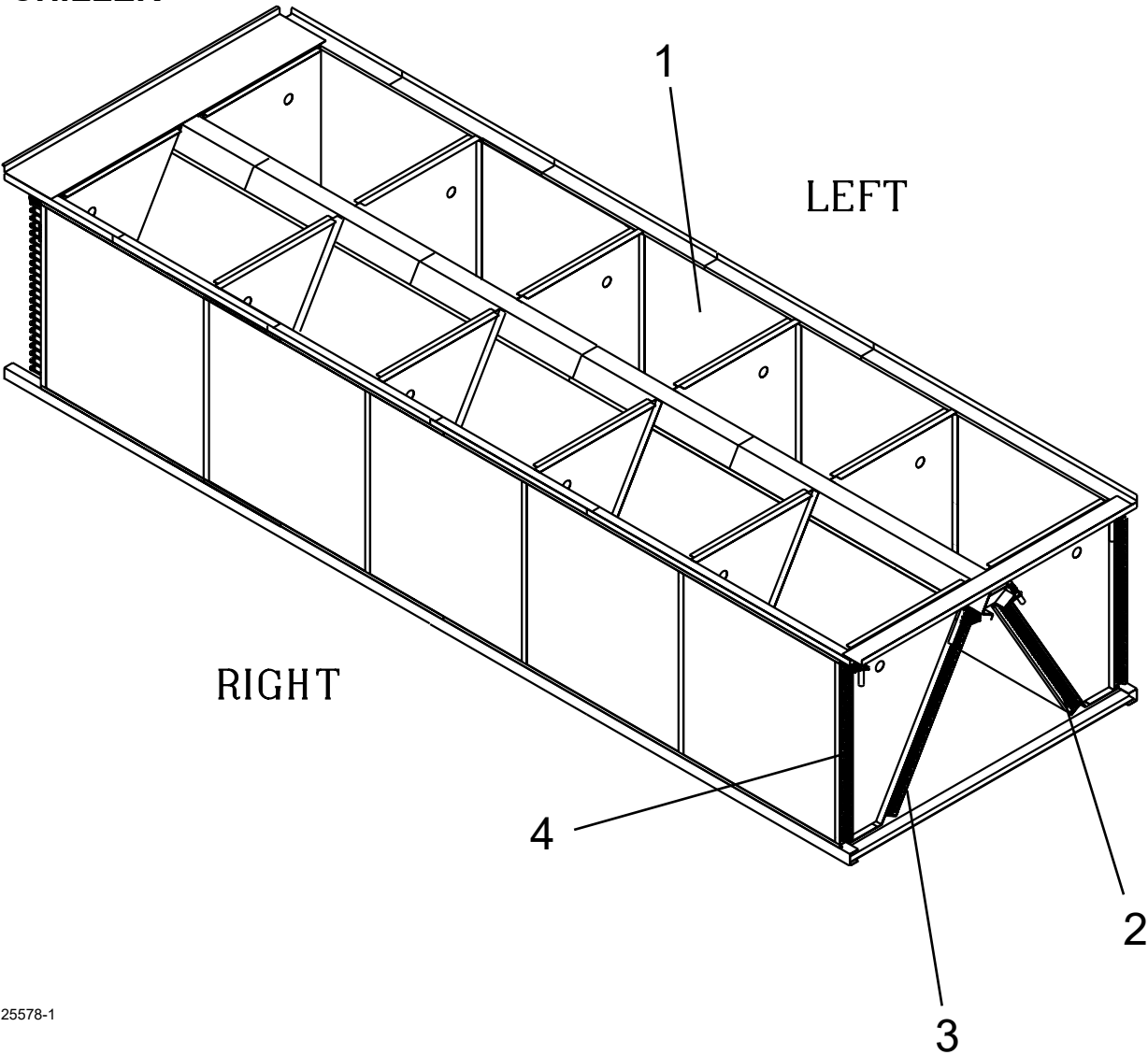
TABLE 1 (CONT'D) – EVAPORATOR COMPONENTS - PIN #9 = 'E OR V' (SEE FIG. 1, PAGE 6)

ITEM #	QTY PER UNIT	DESCRIPTION	DWP	UNIT MODELS YCIV0590, 0630 AND YCIV0700	UNIT MODELS YCIV0760, 0800 AND YCIV0830	UNIT MODEL YCIV0930
1	1	Evaporator, Fully Insulated with Heater	ALL	375-67007-991	375-67009-991	375-67005-991
		Evaporator, less Heater & Insulation		375-67007-000	375-67009-990	375-67005-000
2	1	Head, Connection End	ALL	075-54488-000	075-53794-000	075-53210-000
3	1	Head, Back End	ALL	075-54486-000	075-53796-000	075-53206-000
4	1	Baffle, Connection End	ALL	075-54490-000	075-53790-000	075-65302-000
5	1	Baffle, Back End	ALL	075-54485-000	075-53792-000	075-65302-000
6	2	Gasket, Baffle and Head	ALL	075-54491-000	075-53797-000	075-54103-000
7	2	Heater, Cooler 280 Watt	ALL	025-22691-000	025-22691-000	025-22691-000
8	-	Insulation (3/4"x49"x65")	ALL	010-05997-000	010-05997-000	010-05997-000
9	-	Insulation (1 1/2"x49"x65")		010-05998-000	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	025-40334-000
12	2	Well, Thermo	ALL	026-33627-000	026-33627-000	026-33627-000

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CONDENSER COIL COMPONENTS

POWER
PANEL
END OF
CHILLER



Condenser

25578-1

FIG. 2 – CONDENSER COIL COMPONENTS
(REF. TABLE 2, PAGES 10 AND 11)

CONDENSER COIL COMPONENTS (CONT'D)

TABLE 2 – CONDENSER COIL COMPONENTS (SEE FIG. 2, PAGE 9)

ITEM NUMBER	DESCRIPTION	SYSTEM	QTY	MODELS YCIV0590, 0600 AND YCIV0650	MODELS YCIV0630, 0720 AND YCIV0770	MODELS YCIV0700, 0760 AND YCIV0840
ALUMINUM FIN COILS - 'PIN 45 = X'						
1	Coil Assembly*	Sys 1	1	375-55356-001	375-55350-001	375-55350-001
2			1	375-55356-002	375-55350-002	375-55350-002
3		Sys 2	1	375-55356-003	375-55356-003	375-55350-003
4			1	375-55356-004	375-55356-004	375-55350-004
COPPER COILS - 'PIN 45 = C'						
1	Coil Assembly*	Sys 1	1	375-55356-005	375-55350-005	375-55350-005
2			1	375-55356-006	375-55350-006	375-55350-006
3		Sys 2	1	375-55356-007	375-55356-007	375-55350-007
4			1	375-55356-008	375-55356-008	375-55350-008
BLACK FIN COILS - 'PIN 45 = B'						
1	Coil Assembly*	Sys 1	1	375-55356-009	375-55350-009	375-55350-009
2			1	375-55356-010	375-55350-010	375-55350-010
3		Sys 2	1	375-55356-011	375-55356-011	375-55350-011
4			1	375-55356-012	375-55356-012	375-55350-012
PHENOLIC COILS - 'PIN 45 = P'						
1	Coil Assembly*	Sys 1	1	375-58328-001	375-58328-005	375-58328-005
2			1	375-58328-002	375-58328-006	375-58328-006
3		Sys 2	1	375-58328-003	375-58328-003	375-58328-007
4			1	375-58328-004	375-58328-004	375-58328-008
EPOXY COILS - 'PIN 45 = E'						
1	Coil Assembly*	Sys 1	1	375-67025-009	375-67024-009	375-67024-009
2			1	375-67025-010	375-67024-010	375-67024-010
3		Sys 2	1	375-67025-011	375-67025-011	375-67024-011
4			1	375-67025-012	375-67025-012	375-67024-012

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

CONDENSER COIL COMPONENTS (CONT'D)

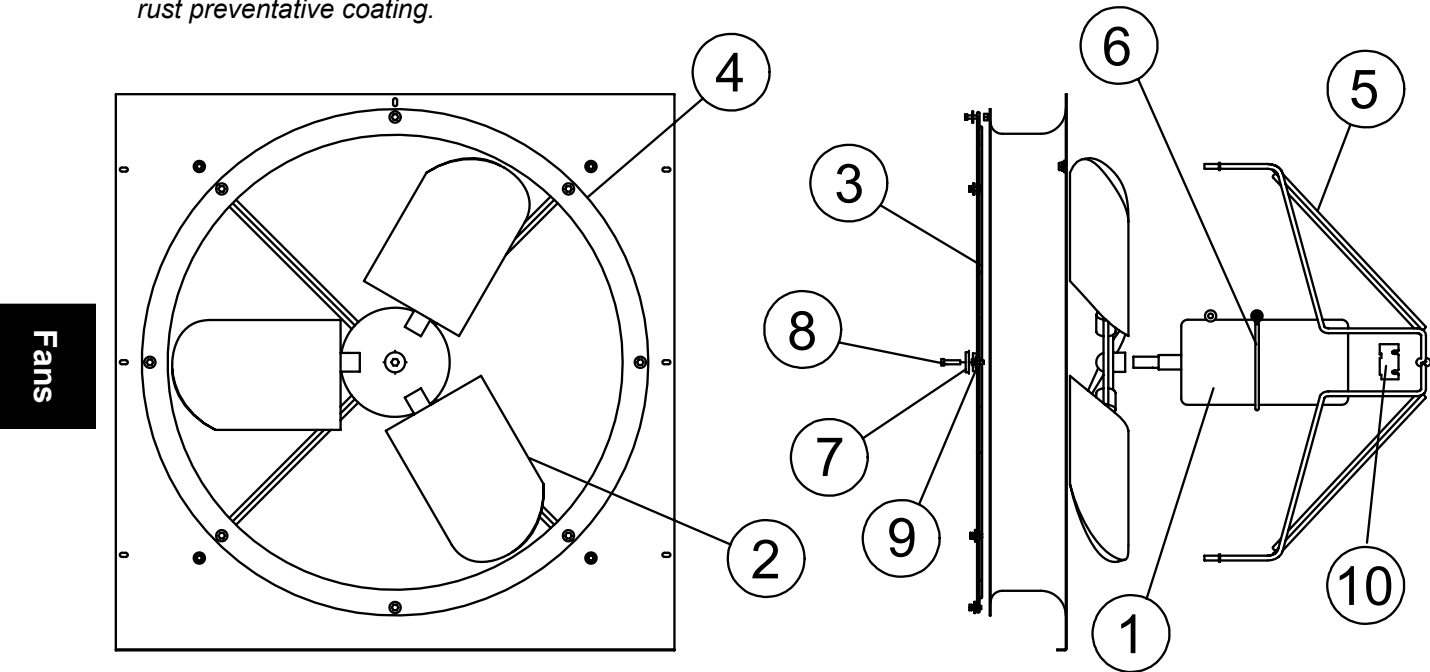
TABLE 2 (CONT'D) – CONDENSER COIL COMPONENTS (SEE FIG. 2, PAGE 9)

ITEM NUMBER	DESCRIPTION	SYSTEM	QTY	MODELS YCIV0800 AND YCIV0920	MODELS YCIV0830, 0930 AND YCIV1000
ALUMINUM FIN COILS - 'PIN 45 = X'					
1	Coil Assembly*	Sys 1	1	375-54395-001	375-54395-001
2			1	375-54395-002	375-54395-002
3		Sys 2	1	375-55350-003	375-54395-003
4			1	375-55350-004	375-54395-004
COPPER COILS - 'PIN 45 = C'					
1	Coil Assembly*	Sys 1	1	375-54395-005	375-54395-005
2			1	375-54395-006	375-54395-006
3		Sys 2	1	375-55350-007	375-54395-007
4			1	375-55350-008	375-54395-008
BLACK FIN COILS - 'PIN 45 = B'					
1	Coil Assembly*	Sys 1	1	375-54395-009	375-54395-009
2			1	375-54395-010	375-54395-010
3		Sys 2	1	375-55350-011	375-54395-011
4			1	375-55350-012	375-54395-012
PHENOLIC COILS - 'PIN 45 = P'					
1	Coil Assembly*	Sys 1	1	375-58328-009	375-58328-009
2			1	375-58328-010	375-58328-010
3		Sys 2	1	375-58328-007	375-58328-011
4			1	375-58328-008	375-58328-012
EPOXY COILS - 'PIN 45 = E'					
1	Coil Assembly*	Sys 1	1	375-67016-009	375-67016-009
2			1	375-67016-010	375-67016-010
3		Sys 2	1	375-67024-011	375-67016-011
4			1	375-67024-012	375-67016-012

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

FAN COMPONENTS

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



55596-000

Service Note: Pin Location 52 in Model Number will be “X” for Standard Fan or “L” for Low Sound Fan. See page 4.

FIG. 3 – FAN COMPONENTS

TABLE 3 – FAN COMPONENTS

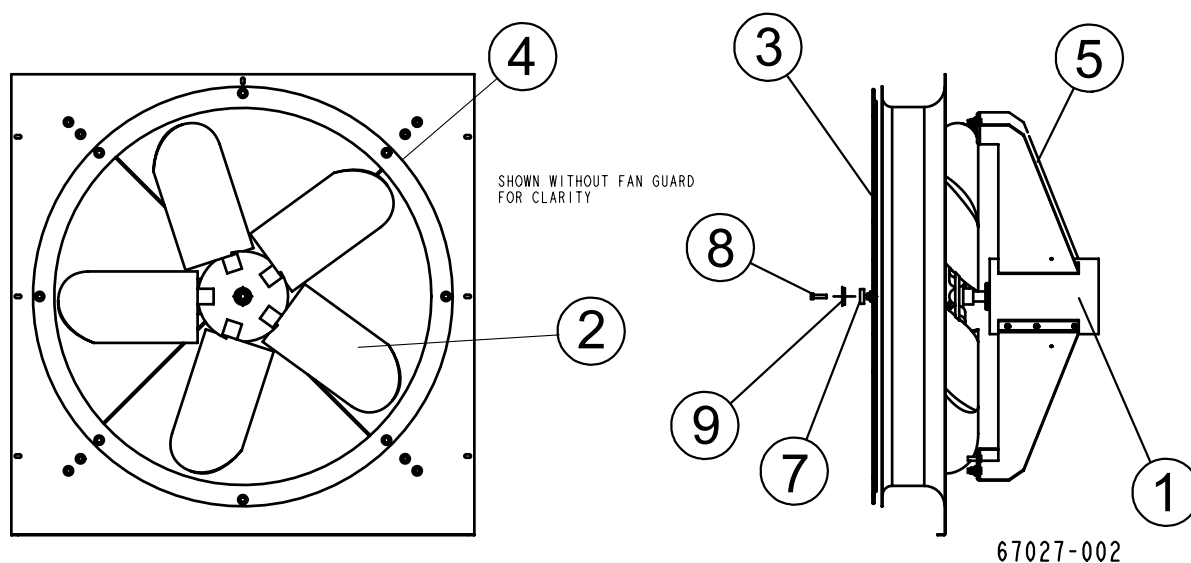
ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			STANDARD LOW NOISE 7/8", 950 RPM	ULTRA LOW NOISE 7/8", 690 RPM
1 ^s	Motor, Fan 2 HP (YCIV0590-YCIV1000)	-50	024-27322-107	024-34980-003
2 ^s	Blade	-50	026-41943-000	026-45549-000
3	Guard	-50	026-35605-001	
4	Orifice	-50	026-41609-000	
5	Support	-50	026-41937-000	026-41938-000
6	Support Ring	-50	026-36367-000	
7	Spacer (.375 I.D.)	-50	075-29007-000	
8	Screw, Cap (M8x125)	-50	021-18494-000	
9	Spacer (1.406 I.D.)	-50	075-40484-000	
10	Hub, Square	-50	026-41939-001 (1.000")	026-41939-005 (1.125")

^s = Recommended Spare Parts

FAN COMPONENTS (CONT'D)

Service Note:

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



67027-002

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

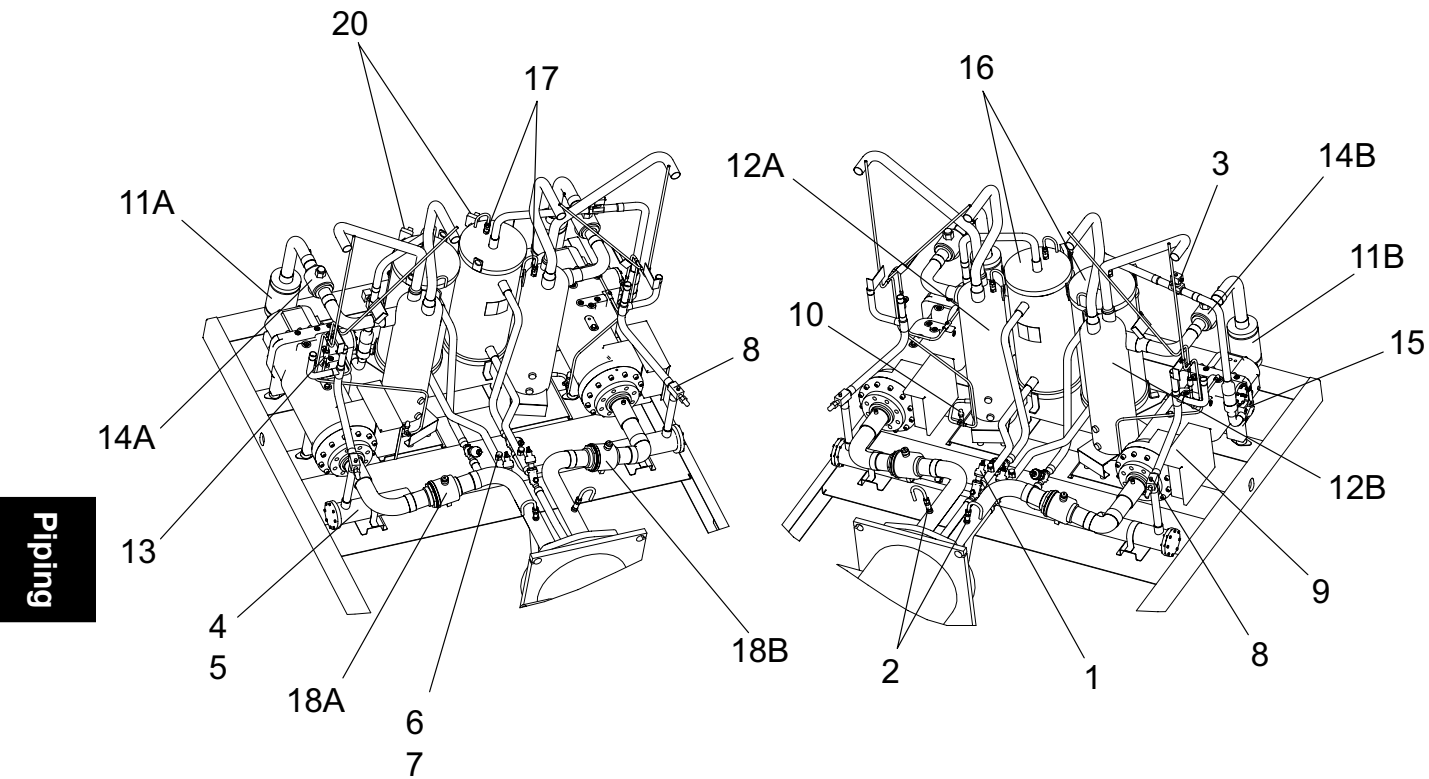
FIG. 3A – FAN COMPONENTS
TABLE 3A – FAN COMPONENTS

ITEM NUMBER	DESCRIPTION	VOLTAGE CODE	FAN TYPE	
			HIGH STATIC 7/8", 950 RPM	TWO SPEED* 7/8", 490/660 RPM
1 ^s	Motor, Fan 5 HP (YCIV0590-YCIV1000)	-50	024-36081-003	024-36092-004
2 ^s	Blade	-50	026-43982-000	026-45045-000
3	Guard	-50	026-35605-001	
4	Orifice	-50	026-41609-000	
5	Support	-50	026-67014-000	026-67028-000
6	Support Ring	-50	N/A	026-36367-000
7	Spacer	-50	075-40485-000	075-70345-000
8	Screw, Cap	-50	021-17791-000	021-18494-000
9	Spacer	-50	075-67017-000	075-29007-000
10	Hub, Square	-50	N/A	026-41939-005 (1.125")

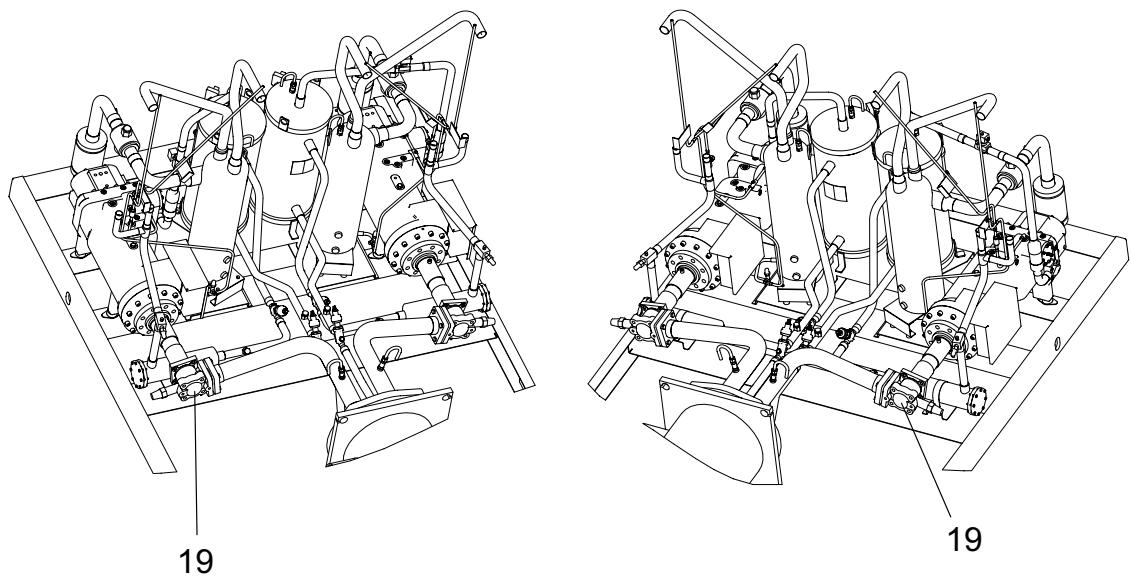
^s = Recommended Spare Parts

***Note:** Refer to Figure 3 on page 12 for the Two Speed Fan components.

REFRIGERANT PIPING COMPONENTS
CHILLER MODEL YCIV



Piping - Suction, Discharge, Oil And Liquid Line



66920-001

Suction Line Service Valve Option

FIG. 4 – PIPING COMPONENTS - MODEL YCIV0590 & YCIV0630 SHOWN
(REF. TABLE 4, PAGES 15, 16 AND 17)

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCIV

TABLE 4 – REFRIGERANT PIPING COMPONENTS (SEE FIG. 4, PAGE 14)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV0590 AND YCIV0630 375-66920-000	YCIV0600 375-66921-000	YCIV0650, 0700 AND YCIV0730 375-66922-000
1^S	4	Valve, Electronic Expansion	025-41565-000	025-41565-000	025-41565-000
2	2	Valve, Low Side Relief - 235#	022-11312-000	022-11312-000	022-11312-000
3	2	Valve, Economizer Solenoid	025-40330-000	025-40330-000	025-40330-000
4	2	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000	026-16960-000
5^S	6	Core, Dehydrator	026-37540-000	026-37540-000	026-37540-000
6	4	Moisture Indicator, Body	026-32399-000	026-32399-000	026-32399-000
7	4	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000	026-32800-000
8	2	Valve, Liquid Stop	022-09779-000	022-09779-000	022-09779-000
9	2	Compressor, MTS	See page 21		
10	4	Valve, Charging	022-09754-000	022-09754-000	022-09754-000
11A	2	Muffler (System 1)	375-55738-000	375-55738-000	375-55738-000
11B	2	Muffler (System 2)	375-55738-000	375-55738-000	375-53202-000
12A	1	Oil Separator (Left)	026-42901-991		
12B	1	Oil Separator (Right)	026-42901-992		
12D	2	Sight Glass, Oil Separator (All)	026-43375-000		
12E	2	O-ring, Sight Glass	028-15574-000		
13	2	Valve, Ball (Oil Line)	022-09172-000	022-09172-000	022-09172-000
14A	1	Ball Valve, Discharge (System 1)	022-11326-000	022-11326-000	022-11326-000
14B	1	Ball Valve, Discharge (System 2)	022-11326-000	022-11326-000	022-11325-000
15	2	Valve, Angle	022-11358-000	022-11358-000	022-11358-000
	2	1 1/2" Gasket	028-15296-000	028-15296-000	028-15296-000
16	2	Flash Tank	375-65618-990	375-65618-990	375-65618-990
17	4	Valve, Relief	022-11398-000	022-11398-000	022-11398-000
18A	1	Ball Valve, Suction (System 1)	022-11693-000	022-11693-000	022-11693-000
18B	1	Ball Valve, Suction (System 2)	022-11693-000	022-11693-000	022-11693-000
19	2	Valve, Stop	022-02845-001	022-02845-001	022-02845-001
	2	3 1/2" Gasket	028-13974-000	028-13974-000	028-13974-000
20^S	2	Sensor, Refrig Level	025-40274-000	025-40274-000	025-40274-000

Piping

^S = Recommended Spare Parts

*90° Flow
Drain or Feed
Valve



**Straight Flow
Drain or Feed
Valve

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCIV

TABLE 4 (CONT'D) – REFRIGERANT PIPING COMPONENTS (SEE FIG. 4, PAGE 14)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV0760, 0800 AND YCIV0830 375-65716-000	YCIV0775 AND YCIV0840 375-66924-000	YCIV0920 AND YCIV0930 375-66925-000
1^S	4	Valve, Electronic Expansion	025-41565-000	025-41565-000	025-41565-000
2	2	Valve, Relief	022-11312-000	022-11312-000	022-11312-000
3	2	Valve, Solenoid	025-40330-000	025-40330-000	025-40330-000
4	2	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000	026-16960-000
5^S	6	Core, Dehydrator	026-37540-000	026-37540-000	026-37540-000
6	4	Moisture Indicator, Body	026-32399-000	026-32399-000	026-32399-000
7	4	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000	026-32800-000
8	2	Valve, Liquid Stop	022-09779-000	022-09779-000	022-09779-000
9	2	Compressor	See page 21		
10	4	Valve, Charging	022-09754-000	022-09754-000	022-09754-000
11	2	Muffler	375-53202-000	375-53202-000	375-53202-000
12A	2	Oil Separator (Left)	026-42901-991		
12B	2	Oil Separator (Right)	026-42901-992		
12D	2	Sight Glass, Oil Separator (All)	026-43375-000		
12E	2	O-ring, Sight Glass	028-15574-000		
13	2	Valve, Ball (Oil Line)	022-09172-000	022-09172-000	022-09172-000
14A	1	Ball Valve, Discharge (System 1)	022-11325-000	022-11325-000	022-11325-000
14B	1	Ball Valve, Discharge (System 2)	022-11325-000	022-11325-000	022-11325-000
15	2	Valve, Angle	022-11358-000	022-11358-000	022-11358-000
	2	1 1/2" Gasket	028-15296-000	028-15296-000	028-15296-000
16	2	Flash Tank	375-65618-990	375-65618-990	375-65618-990
17	2	Valve, Relief	022-11398-000	022-11398-000	022-11398-000
18A	1	Ball Valve, Suction (System 1)	022-11693-000	022-11693-000	022-11693-000
18B	1	Ball Valve, Suction (System 2)	022-11693-000	022-11693-000	022-11694-000
19	2	Valve, Stop	022-02845-001	022-02845-001	022-02845-001
	2	3 1/2" Gasket	028-13974-000	028-13974-000	028-13974-000
20^S	2	Sensor, Refrig Level	025-40274-000	025-40274-000	025-40274-000

^S = Recommended Spare Parts


*90° Flow
Drain or Feed
Valve



**Straight Flow
Drain or Feed
Valve

REFRIGERANT PIPING COMPONENTS (CONT'D)

CHILLER MODEL YCIV

TABLE 4 (CONT'D) – REFRIGERANT PIPING COMPONENTS
(SEE FIG. 4, PAGE 14)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV1000 375-66910-000
1^S	4	Valve, Electronic Expansion	025-41565-000
2	2	Valve, Relief	022-11312-000
3	2	Valve, Solenoid	025-40330-000
4	2	Dehydrator, Body (Replacable Core)	026-16960-000
5^S	6	Core, Dehydrator	026-37540-000
6	4	Moisture Indicator, Body	026-32399-000
7	4	Moisture Indicator, Sight Glass Cap	026-32800-000
8	2	Valve, Liquid Stop	022-09779-000
9	2	Compressor	See page 21
10	4	Valve, Charging	022-09754-000
11	2	Muffler	375-53202-000
12A	2	Oil Separator (Left)	026-42901-991
12B	2	Oil Separator (Right)	026-42901-992
12D	2	Sight Glass, Oil Separator (All)	026-43375-000
12E	2	O-ring, Sight Glass	028-15574-000
13	2	Valve, Ball (Oil Line)	022-09172-000
14A	1	Ball Valve, Discharge (System 1)	022-11325-000
14B	1	Ball Valve, Discharge (System 2)	022-11325-000
15	2	Valve, Angle	022-11358-000
	2	1 1/2" Gasket	028-15296-000
16	2	Flash Tank	375-65618-990
17	2	Valve, Relief	022-11398-000
18A	1	Ball Valve, Suction (System 1)	022-11694-000
18B	1	Ball Valve, Suction (System 2)	022-11694-000
19	2	Valve, Stop	022-02845-001
	2	3 1/2" Gasket	028-13974-000
20^S	2	Sensor, Refrig Level	025-40274-000

^S = Recommended Spare Parts



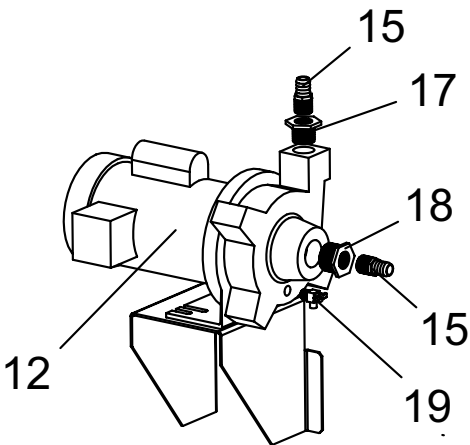
*90° Flow
Drain or Feed
Valve



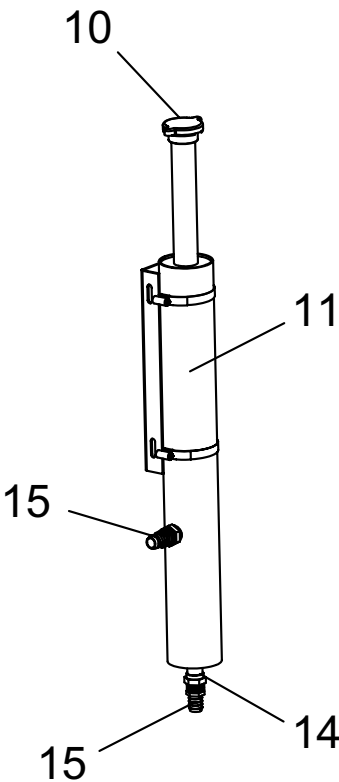
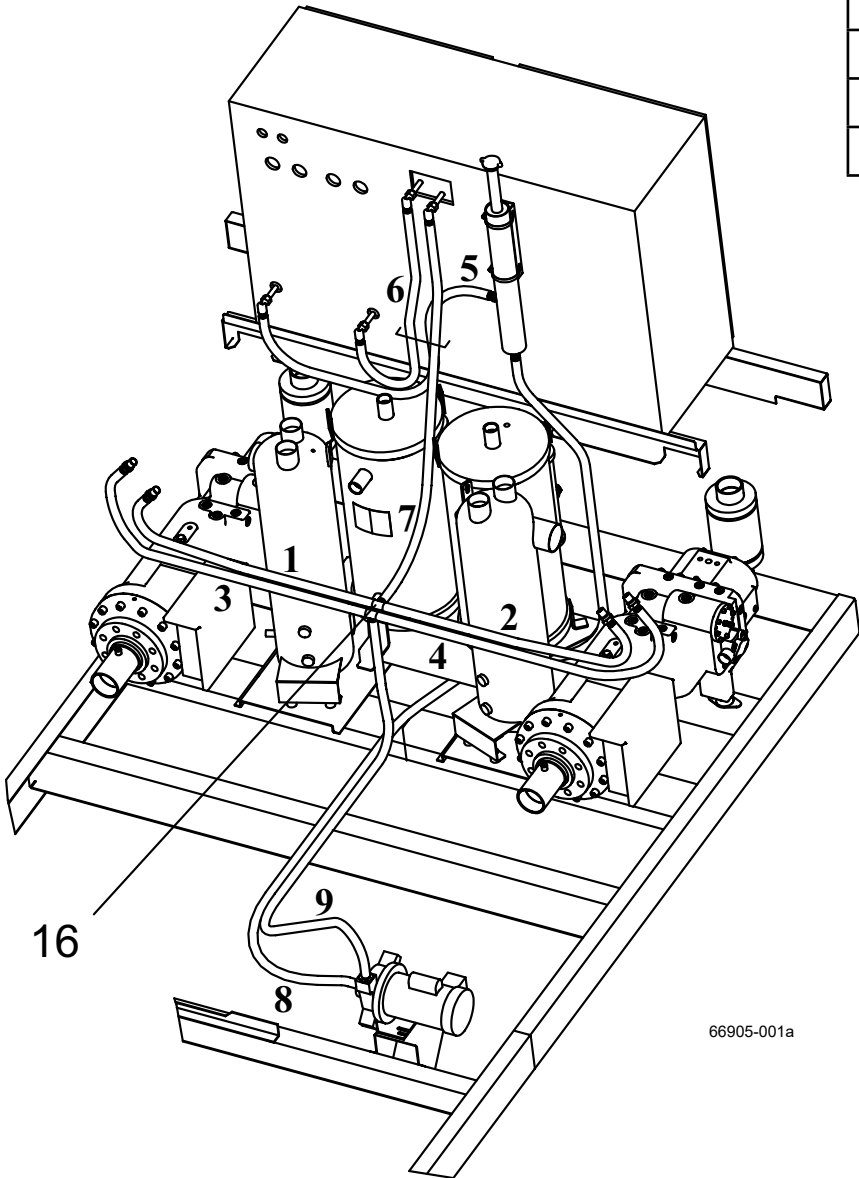
**Straight Flow
Drain or Feed
Valve

GLYCOL LOOP COMPONENTS

CHILLER MODEL YCIV



HOSE, BLACK RUBBER - 3/4 I.D. (028-11958-000)	
SECTION	LENGTH
1	41"
2	41"
3	50"
4	50"
5	52"
6	43"
7	59"
8	143"
9	91"



66905-001a

FIG. 4A – GLYCOL LOOP COMPONENTS (REF. TABLE 4A, PAGE 19)

GLYCOL LOOP COMPONENTS (CONT'D)

CHILLER MODEL YCIV

TABLE 4A (CONT'D) – GLYCOL LOOP COMPONENTS (SEE FIG. 4A, PAGE 18)

ITEM NO.	QTY PER UNIT	DESCRIPTION	PART NUMBER
10^S	1	CAP, RADIATOR	023-21927-000
11	1	TUBE, GLYCOL	075-55649-000
12	1	PUMP, SINGLE STAGE (60 HERTZ)	026-41611-000
		PUMP, SINGLE STAGE (50 HERTZ)	026-41611-001
13^S	5 gal	COOLANT PG (5 GALLON), NON EU COMPLIANT*	013-03344-000
		COOLANT PG (5 GALLON), EU COMPLIANT	013-03849-001
14	1	REDUCER	023-21941-000
15	4	FITTING, HOSE BARB	023-21929-000
16	1	TEE	023-22526-000
17	1	BUSHING	023-21934-000
18	1	BUSHING	023-21935-000
19	1	VALVE, DRAIN	023-21874-000

^S = Recommended Spare Parts

* For All Europe-bound YCIV chiller built after October 7th, 2015, the Coolant / Glycol charged into VSD cooling system is European compliant Dowcal 200 (013-03849-001), for either service or maintenance purpose, top-off or replace the coolant with "Dowcal 200" only; for YCIV chiller built before that day, Dowfrost HD (013-03344-000) was charged, for topping-up just use Dowfrost HD, however, for maintenance, replace the coolant by either "Dowcal 200" or "Dowfrost HD" but do not mix them.

For all other regions, Use Dowfrost HD (013-03344-000) only.

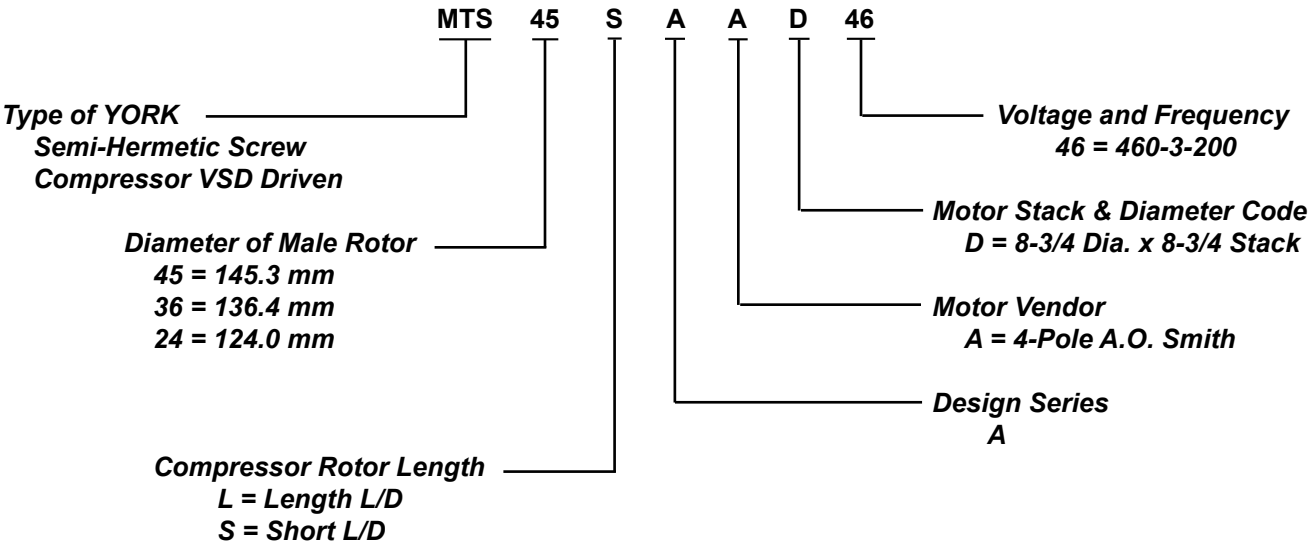
† Note:

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

Caution:

Mixing different types of Glycol or the addition of water may cause permanent damage to the cooling system.

COMPRESSOR MODEL NOMENCLATURE



Compressor

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

*Note: Less Service Valves.

ITEM	REF.	DESCRIPTION	5 GALLON
OIL ^s	R-134A	Oil, Type 'L' (Synthetic)	011-00592-000

^s = Recommended Spare Parts

DESCRIPTION	5 GALLON
Compressor Heater	025-32938-000

COMPRESSOR

TABLE 5 – STANDARD MODEL COMPRESSOR PART NUMBERS - S OR P

MODEL	VOLTAGE CODE	SYSTEM #1 COMPRESSOR				SYSTEM #2 COMPRESSOR			
		PART #	MODEL #	MM	QTY	PART #	MODEL #	MM	QTY
YCIV0590	-50	364-50820-100	MTS24SA	124	1	364-50820-100	MTS24SA	124	1
YCIV0600	-50	364-50820-100	MTS24SA	124	1	364-50820-100	MTS24SA	124	1
YCIV0630	-50	364-50820-100	MTS24SA	124	1	364-50820-100	MTS24SA	124	1
YCIV0650	-50	364-50821-100	MTS36SA	136	1	364-50820-100	MTS24SA	124	1
YCIV0700	-50	364-50821-100	MTS36SA	136	1	364-50820-100	MTS24SA	124	1
YCIV0720	-50	364-50821-100	MTS36SA	136	1	364-50820-100	MTS24SA	124	1
YCIV0760	-50	364-50821-100	MTS36SA	136	1	364-50821-100	MTS36SA	136	1
YCIV0770	-50	364-50821-100	MTS36SA	136	1	364-50821-100	MTS36SA	136	1
YCIV0800	-50	364-50821-100	MTS36SA	136	1	364-50821-100	MTS36SA	136	1
YCIV0830	-50	364-50821-100	MTS36SA	136	1	364-50821-100	MTS36SA	136	1
YCIV0840	-50	364-50821-100	MTS36SA	136	1	364-50821-100	MTS36SA	136	1
YCIV0920	-50	364-50822-100	MTS45SA	145	1	364-50821-100	MTS36SA	136	1
YCIV0930	-50	364-50822-100	MTS45SA	145	1	364-50821-100	MTS36SA	136	1
YCIV1000	-50	364-50822-100	MTS45SA	145	1	364-50822-100	MTS45SA	145	1

Compressor

COMPRESSOR CHANGE OUT PARTS		
MM SIZE	DESCRIPTION	PART NUMBER
All	Heater, Compressor (350 watts)	025-32938-000
	Filter, Oil	026-35601-000
	O-ring, Filter Cover	028-13849-000
	Gasket, Suction Flange	028-15075-159
	Gasket, Discharge Flange	028-15296-000
	Seal, HPCO O-Ring	028-13540-000

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.

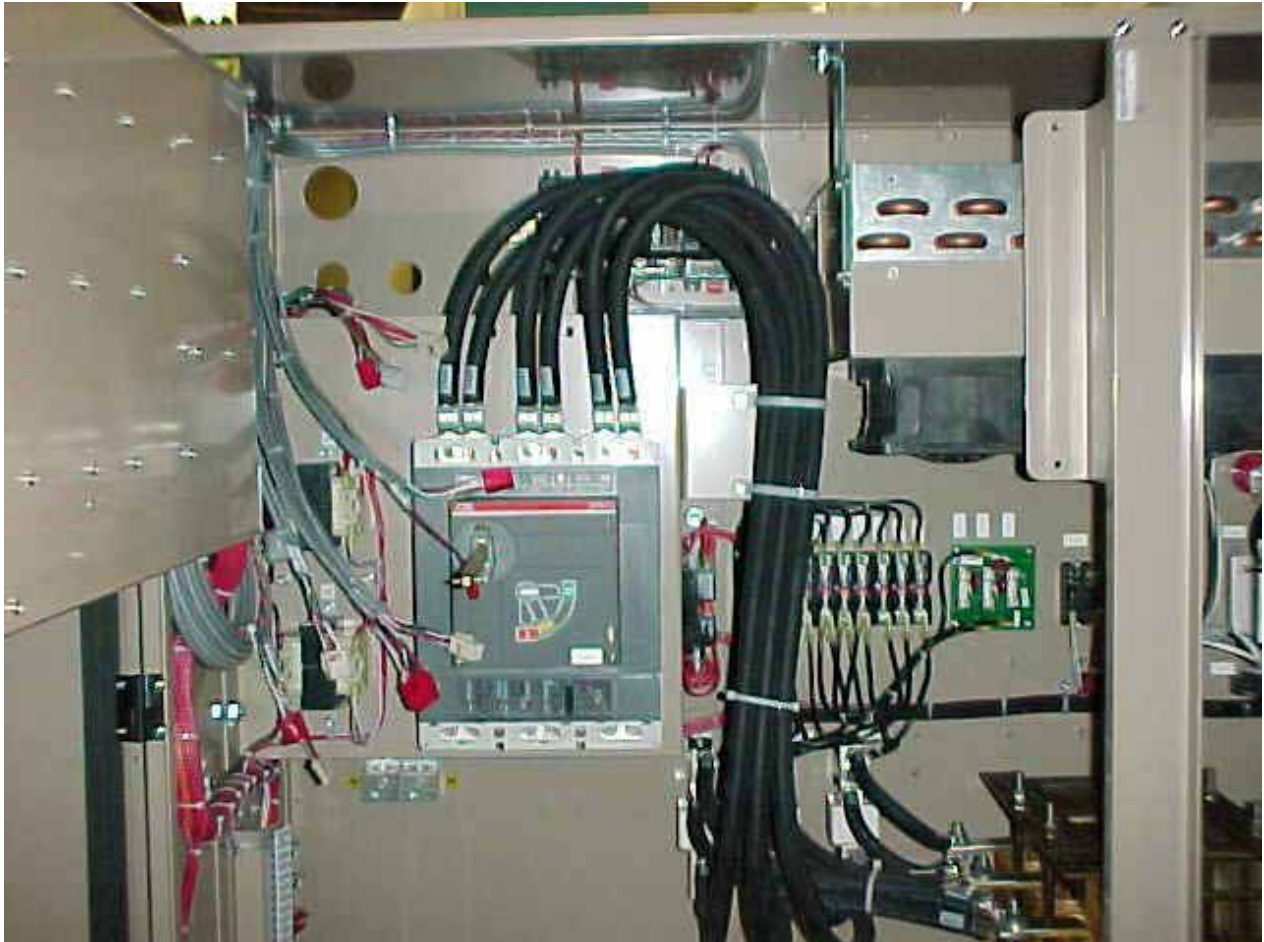
PIN 16 & 17 LETTER CODE IDENTIFIERS		OPTION PANEL AND POWER PANEL CONFIGURATIONS
S	X	Single Point Supply Terminal Block
B	X	Single Point Supply Circuit Breaker
S	S	Single Point Supply Terminal Block w/ Separate System Non-Fused Disconnect Switch
C	S	Single Point Supply Circuit Breaker w/ Separate System 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. 5A.

Variable Speed Drive

FIG. 5A – EXAMPLES OF POWER WIRING CONFIGURATIONS (2-COMPRESSOR UNITS)

VARIABLE SPEED DRIVE PANEL COMPONENTS

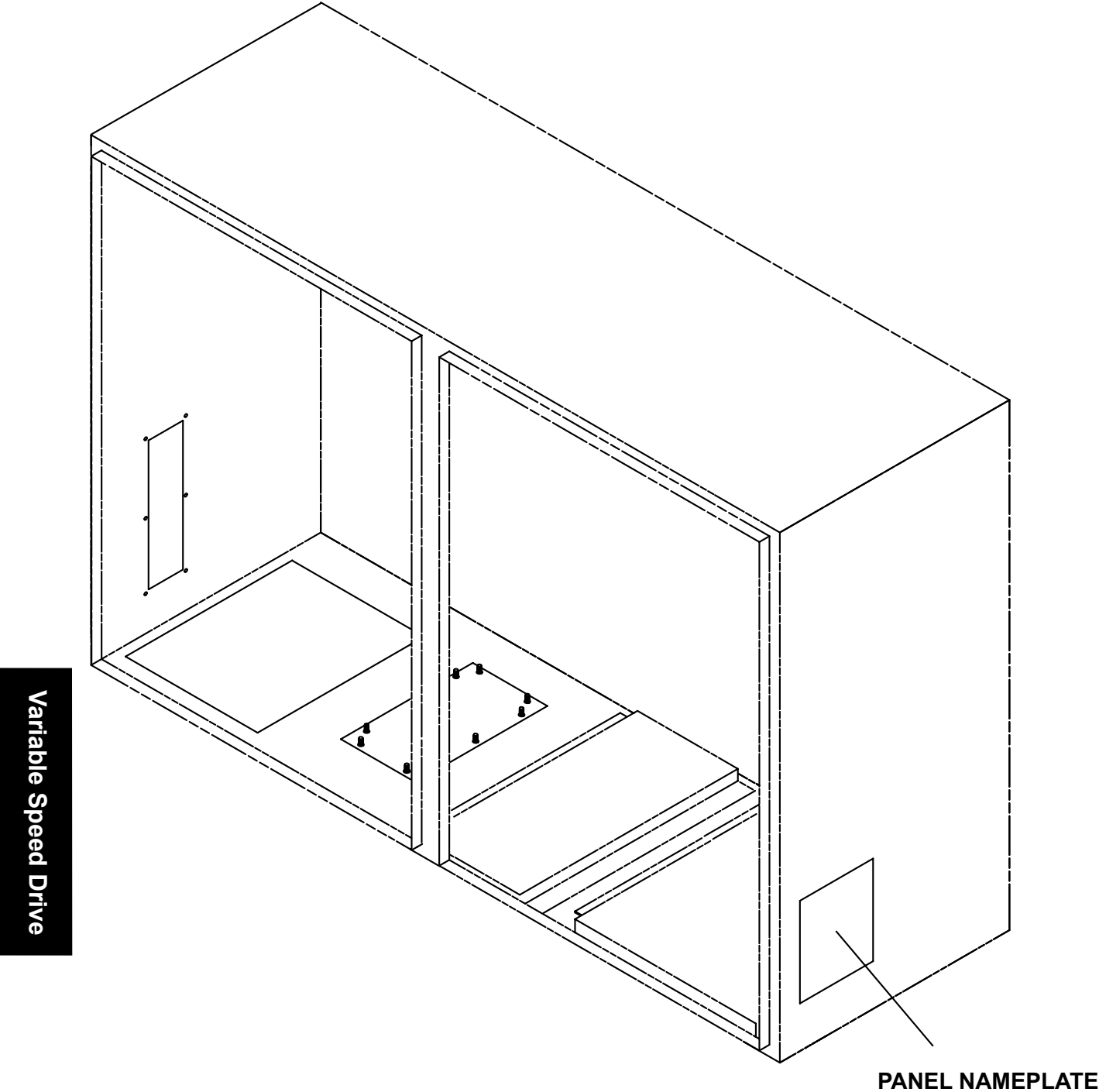


FIG. 5B – VSD / CONTROL PANEL IDENTIFIER LOCATION (2-COMPRESSOR UNITS)

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

TABLE 7 – VSD / CONTROL PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER FROM THE TABLES BELOW, THEN REFER TO THE 'VSD/CONTROL PANEL COMPONENTS' TABLES, PAGES 31-39 AND FIGURE 5B ON PAGE 24)

VSD / Control Panel Part Numbers for Models YCIV0590 thru YCIV0840					
Voltage Code	Qty	Standard, Ultra Quiet or Two Speed Fans			
		Single Point Terminal Block		Single Point Circuit Breaker	
		No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway	No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway
17	1	N/A	N/A	N/A	N/A
28		N/A	N/A	N/A	N/A
40		371-04178-603	371-04178-615	371-04178-609	371-04178-621
46		371-04178-105	371-04178-117	371-04178-111	371-04178-123
50		371-04178-604	371-04178-616	371-04178-610	371-04178-622
58		N/A	N/A	N/A	N/A
Voltage Code	Qty	High Static Fans			
		Single Point Terminal Block		Single Point Circuit Breaker	
		No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway	No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway
17	1	N/A	N/A	N/A	N/A
28		N/A	N/A	N/A	N/A
40		371-04178-623	371-04178-627	371-04178-625	371-04178-629
46		371-04178-129	371-04178-141	371-04178-135	371-04178-147
50		371-04178-624	371-04178-628	371-04178-626	371-04178-630
58		N/A	N/A	N/A	N/A

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

TABLE 7 (CONT'D) – VSD / CONTROL PANEL IDENTIFIERS (TO IDENTIFY REPLACEMENT PART NUMBERS, SELECT PANEL IDENTIFIER NUMBER FROM THE TABLES BELOW, THEN REFER TO THE 'VSD/CONTROL PANEL COMPONENTS' TABLES, PAGES 31-39 AND FIGURE 5B ON PAGE 24)

VSD / Control Panel Part Numbers for Models YCIV0920 thru YCIV1000					
Voltage Code	Qty	Standard, Ultra Quiet or Two Speed Fans			
		Single Point Terminal Block		Single Point Circuit Breaker	
		No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway	No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway
17	1	N/A	N/A	N/A	N/A
28		N/A	N/A	N/A	N/A
40		371-04178-703	371-04178-715	371-04178-709	371-04178-721
46		371-04178-105	371-04178-117	371-04178-111	371-04178-123
50		371-04178-704	371-04178-716	371-04178-710	371-04178-722
58		N/A	N/A	N/A	N/A
Voltage Code	Qty	High Static Fans			
		Single Point Terminal Block		Single Point Circuit Breaker	
		No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway	No Ambient Kit, Temp. Reset/ Offset and/or Current Reset/ Offset	E-Link Gateway
17	1	N/A	N/A	N/A	N/A
28		N/A	N/A	N/A	N/A
40		371-04178-723	371-04178-727	371-04178-725	371-04178-729
46		371-04178-129	371-04178-141	371-04178-135	371-04178-147
50		371-04178-724	371-04178-728	371-04178-726	371-04178-730
58		N/A	N/A	N/A	N/A

Variable Speed Drive

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

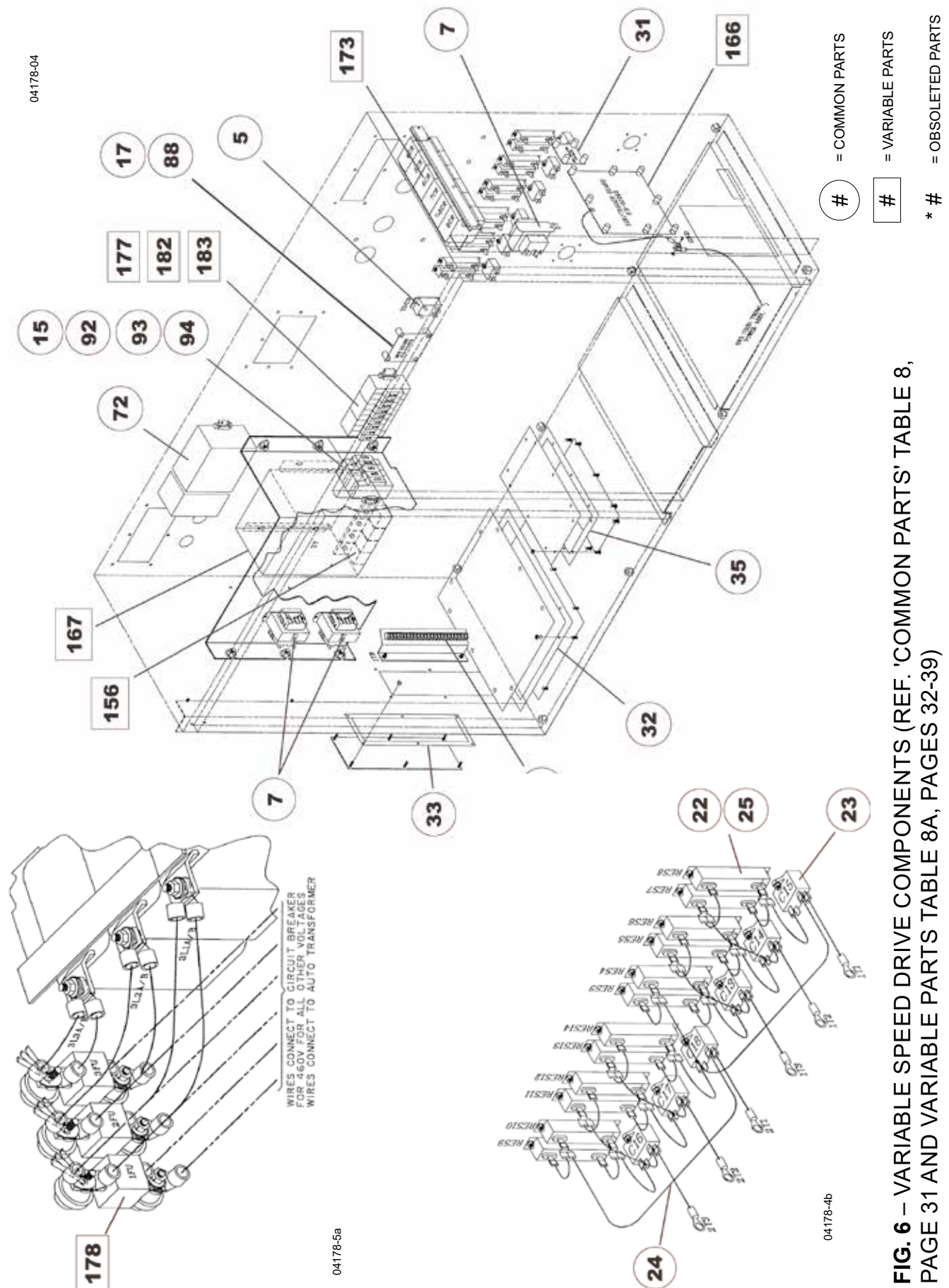


FIG. 6 – VARIABLE SPEED DRIVE COMPONENTS (REF. 'COMMON PARTS' TABLE 8, PAGE 31 AND VARIABLE PARTS TABLE 8A, PAGES 32-39)

Variable Speed Drive

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

Variable Speed Drive

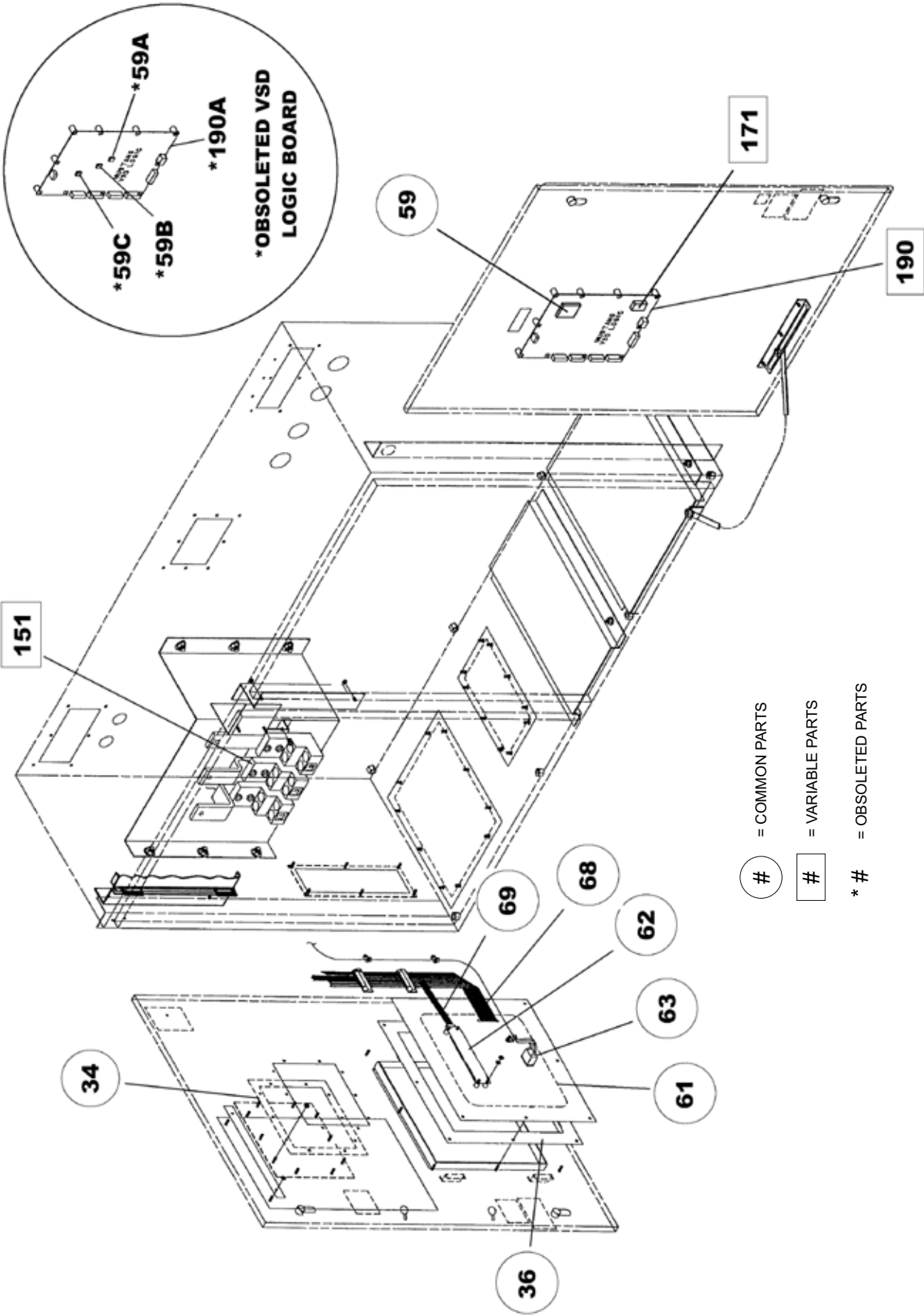


FIG. 6A – VARIABLE SPEED DRIVE COMPONENTS (REF. 'COMMON PARTS' TABLE 8, PAGE 31 AND VARIABLE PARTS TABLE 8A, PAGES 32-39)

04178-06

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

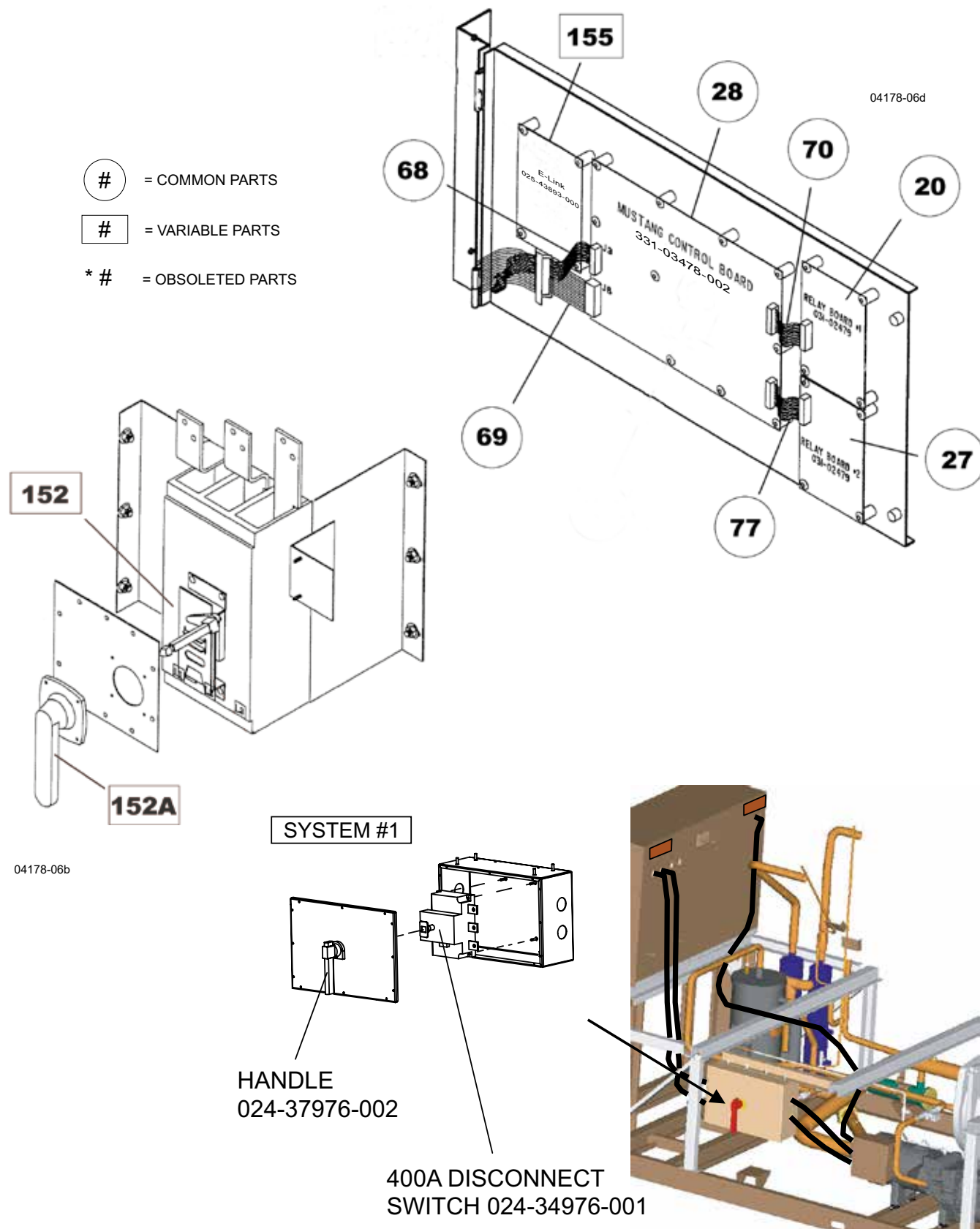
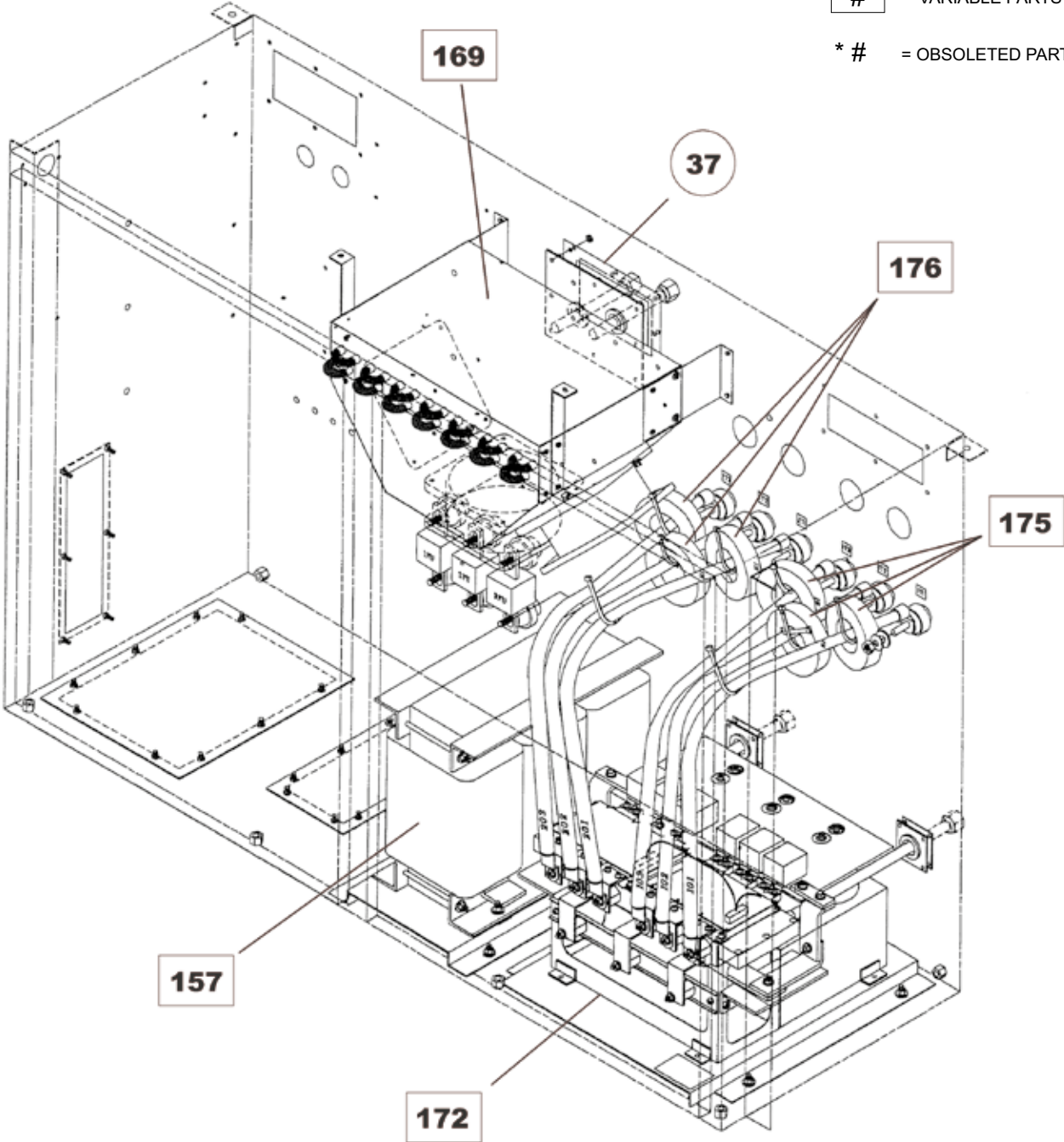


FIG. 6B – VARIABLE SPEED DRIVE COMPONENTS (REF. 'COMMON PARTS' TABLE 8, PAGE 31 AND VARIABLE PARTS TABLE 8A, PAGES 32-39)

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

- # = COMMON PARTS
- # = VARIABLE PARTS
- * # = OBSOLETE PARTS



04178-05

FIG. 6C – VARIABLE SPEED DRIVE COMPONENTS (REF. 'COMMON PARTS' TABLE 8, PAGE 31 AND VARIABLE PARTS TABLE 8A, PAGES 32-39)

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

TABLE 8 – VARIABLE SPEED DRIVE COMMON PARTS (SEE. FIGS. 6-6C, PAGES 27-30)

ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	YORK PART NUMBER
5	1	RELAY, PUMP / FAN	024-30441-000
7	3	TRANSFORMER, 75VA (3T, 10T, 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	12	RESISTOR (R3-R14)	025-35953-000
23	6	CAPACITOR (C13-C18)	025-39806-000
24	1	WIRING KIT, DVDT	571-04178-211
25	12	PAD, THERMAL	028-15299-000
27	1	RELAY BOARD #2	031-02479-002
28 ^S	1	CHILLER CONTROL BOARD Superseded by 331-03478-xxx	331-03478-002
28A	1 Only for use with 031-02478-002	SD CARD WITH SOFTWARE (STANDARD)	031-03476-001
		SD CARD WITH SOFTWARE (OPTIMIZED)	031-03476-002
		BLANK SD CARD	031-03466-000
28B	1	CHILLER CONTROL BOARD with Program Card	
		STANDARD IPLV 3,4 COMPRESSOR	331-03478-601
		STANDARD IPLV 2 COMPRESSOR	331-03478-602
		OPTIMIZED IPLV 3,4 COMPRESSOR	331-03478-603
		OPTIMIZED IPLV 2 COMPRESSOR	331-03478-604
31	1	BUS ISOLATION BOARD	031-01624-000
32	1	GASKET, FIELD POWER	028-15246-000
33	1	GASKET, CUSTOMER 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
59	1	EPROM, PWM GENERATOR U39	031-02522-001*
59a	1	EPROM, LOGIC BOARD U36 (obsolete)	031-02521-001**
59b	1	PROM, FPGA U41 (obsolete)	031-02523-001**
59c	1	EPROM, LOGIC BOARD U39 (obsolete)	031-02522-001**
61	1	KEYPAD, LATITUDE	024-34930-000***
	1	OVERLAY, KEYPAD (ENGLISH)	024-34930-001***
62	1	DISPLAY, LATITUDE	031-02508-000
63	1	SWITCH, ON / OFF	024-34951-000
68	1	CABLE, RIBBON (DISPLAY)	571-04178-261
69	1	CABLE, RIBBON (KEYPAD)	571-04178-262
70	1	CABLE, RIBBON (RELAY BOARD #1)	571-04178-263
72 ^S	1	CONTROLLER, DRAIN/FEED (90° FLOW)	031-02510-000****
	1	CONTROLLER, DRAIN/FEED (STRAIGHT FLOW)	031-02742-000****
77	1	CABLE, RIBBON (RELAY BOARD #2)	571-04178-264
88	3	FUSES (11FU, 12FU, 13FU)	025-38523-000
92	1	FUSE, 15A (18FU)	025-34141-000
93	1	FUSE, 20A (17FU)	025-35908-000
94	3	FUSE, 6A (20FU, 21FU)	025-35902-000

* **Note:** Used on new 031-02507-000 VSD Logic Board.

** **Note:** Only used on obsolete 031-02477-000 VSD Logic Board (no longer available).

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

**** **Note:** See page 20 for valve type to aid in identifying the controller.

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

TABLE 8A – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-603* -40		371-04178-105** -46		371-04178-604* -50		371-04178-615* -40		371-04178-117** -46		371-04178-616* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-004	1	371-04460-004	1	371-04460-004	1	371-04460-004	1	371-04460-004	1	371-04460-004
152	Single Point Circuit Breaker	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152A	Operator Mechanism (Shaft and Handle)	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
155	E-Link Gateway Board	-	N/A	-	N/A	-	N/A	1	025-43893-000	1	025-43893-000	1	025-43893-000
156	Ground Lugs	2	025-32835-000	2	025-32835-000	2	025-32835-000	2	025-32835-000	2	025-32835-000	2	025-32835-000
157	Inductor	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-005
169	Cooling Fan Assy	1	371-04179-502	1	371-04179-502	1	371-04179-504	1	371-04179-502	1	371-04179-502	1	371-04179-504
171	Eprom, Logic Board (U52)	1	031-02649-002	1	031-02649-001	1	031-02649-002	1	031-02649-002	1	031-02649-001	1	031-02649-002
172	VSD Power Assembly (See Page 42)	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101
173	Fan Contactor	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000
173A	Harness, Fan Contactor	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	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	3	025-21173-009	3	025-21173-009
177	Fuse Holder (3 Pole)	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-39681-000	3	025-39681-000	3	025-39681-000	3	025-39681-000	3	025-39681-000	3	025-39681-000
182	Fuse, 30A (7-9FU, 14-16FU)	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35906-000
190	VSD Logic Board	1	031-02507-100	1	031-02507-000	1	031-02507-100	1	031-02507-100	1	031-02507-000	1	031-02507-100
190A	VSD Logic Board (Obsolete)	1	031-02477-100	1	031-02477-000	1	031-02477-100	1	031-02477-100	1	031-02477-000	1	031-02477-100

* Note: Must order VSD Logic Board Kit (331-02507-602) when replacing Logic Board when replacing Logic Board (031-02507-100) and U52 (031-02649-002). (Kit includes items 59 & 171).

** Note: Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 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 8A (CONT'D) – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-609* -40		371-04178-111** -46		371-04178-610* -50		371-04178-621* -40		371-04178-123** -46		371-04178-622* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152	Single Point Circuit Breaker	1	224-34965-001	1	224-34965-001	1	224-34965-001	1	224-34965-001	1	224-34965-001	1	224-34965-001
152A	Operator Mechanism (Shaft and Handle)	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000
155	E-Link Gateway Board	-	N/A	-	N/A	-	N/A	1	025-43893-000	1	025-43893-000	1	025-43893-000
156	Ground Lugs	2	025-32835-000	2	025-32835-000	2	025-32835-000	2	025-32835-000	2	025-32835-000	2	025-32835-000
157	Inductor	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-001	1	031-02060-001	1	031-02060-001	1	031-02060-001
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-005
169	Cooling Fan Assy	1	371-04179-502	1	371-04179-502	1	371-04179-504	1	371-04179-502	1	371-04179-502	1	371-04179-504
171	Eprom, Logic Board (U52)	1	031-02649-002	1	031-02649-001	1	031-02649-002	1	031-02649-002	1	031-02649-001	1	031-02649-002
172	VSD Power Assembly (See Page 42)	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101
173	Fan Contactor	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000
173A	Harness, Fan Contactor	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	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	3	025-21173-009	3	025-21173-009
177	Fuse Holder (3 Pole)	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-39681-000	3	025-39681-000	3	025-39681-000	3	025-39681-000	3	025-39681-000	3	025-39681-000
182	Fuse, 30A (7-9FU, 14-16FU)	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35906-000
190	VSD Logic Board	1	031-02507-100	1	031-02507-000	1	031-02507-100	1	031-02507-100	1	031-02507-000	1	031-02507-100
190A	VSD Logic Board (Obsolete)	1	031-02477-100	1	031-02477-000	1	031-02477-100	1	031-02477-100	1	031-02477-000	1	031-02477-100

* Note: Must order VSD Logic Board Kit (331-02507-602) when replacing Logic Board when replacing Logic Board (031-02507-100) and U52 (031-02649-002). (Kit includes items 59 & 171).

** Note: Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 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 8A (CONT'D) – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-623* -40		371-04178-129** -46		371-04178-624* -50		371-04178-627* -40		371-04178-141** -46		371-04178-140* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-006	1	371-04460-006	1	371-04460-006	1	371-04460-006	1	371-04460-006	1	371-04460-002
152	Single Point Circuit Breaker	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152A	Operator Mechanism (Shaft and Handle)	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
155	E-Link Gateway	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
156	Ground Lugs	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000
157	Inductor	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-002
169	Cooling Fan Ass'y	1	371-04179-502	1	371-04179-502	1	371-04179-504	1	371-04179-502	1	371-04179-502	1	371-04179-504
171	Eprom, Logic Board (U52)	1	031-02649-002	1	031-02649-001	1	031-02649-002	1	031-02649-002	1	031-02649-001	1	031-02649-001
172	VSD Power Assembly (See Page 42)	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101
173	Fan Contactor	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-35905-000	6	024-35905-000	6	024-35905-000
173A	Harness, Fan Contactor	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-241	1	571-04178-241	1	571-04178-241
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	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	3	025-21173-009	3	025-21173-009
177	Fuse Holder (3 Pole)	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40763-000	3	025-40763-000	3	025-40763-000	3	025-40763-000	3	025-40763-000	3	025-40763-000
182	Fuse, 30A (7-9FU, 14-16FU)	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35905-000
190	VSD Logic Board	1	031-02507-100	1	031-02507-000	1	031-02507-100	1	031-02507-100	1	031-02507-000	1	031-02507-000
190A	VSD Logic Board (Obsolete)	1	031-02477-100	1	031-02477-000	1	031-02477-100	1	031-02477-100	1	031-02477-000	1	031-02477-000

* Note: Must order VSD Logic Board Kit (331-02507-602) when replacing Logic Board when replacing Logic Board (031-02507-100) and U52 (031-02649-002). (Kit includes items 59 & 171).

** Note: Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 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 8A (CONT'D) – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-625* -40		371-04178-135** -46		371-04178-626* -50		371-04178-629* -40		371-04178-147** -46		371-04178-146* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152	Single Point Circuit Breaker	1	224-34966-001	1	224-34966-001	1	224-34966-001	1	224-34966-001	1	224-34966-001	1	224-34966-001
152A	Operator Mechanism (Shaft and Handle)	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000
155	E-Link Gateway	-	N/A	-	N/A	-	N/A	1	025-43893-000	1	025-43893-000	1	025-43893-000
156	Ground Lugs	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000
157	Inductor	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000	1	025-39677-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-001	1	031-02060-001	1	031-02060-001	1	031-02060-001
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-002
169	Cooling Fan Assy	1	371-04179-502	1	371-04179-502	1	371-04179-504	1	371-04179-502	1	371-04179-502	1	371-04179-504
171	Eprom, Logic Board (U52)	1	031-02649-002	1	031-02649-001	1	031-02649-002	1	031-02649-002	1	031-02649-001	1	031-02649-002
172	VSD Power Assembly (See Page 42)	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101	1	371-04181-101
173	Fan Contactor	6	024-35905-000	6	024-35905-000	6	024-35905-000	6	024-35905-000	6	024-35905-000	6	024-35905-000
173A	Harness, Fan Contactor	1	571-04178-241	1	571-04178-241	1	571-04178-241	1	571-04178-241	1	571-04178-241	1	571-04178-241
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	025-21173-009	3	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	3	025-21173-009	3	025-21173-009
177	Fuse Holder (3 Pole)	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40763-000	3	025-40763-000	3	025-40763-000	3	025-40763-000	3	025-40763-000	3	025-40763-000
182	Fuse, 30A (7-9FU, 14-16FU)	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35905-000
190	VSD Logic Board	1	031-02507-100	1	031-02507-000	1	031-02507-100	1	031-02507-100	1	031-02507-000	1	031-02507-000
190A	VSD Logic Board (Obsolete)	1	031-02477-100	1	031-02477-000	1	031-02477-100	1	031-02477-100	1	031-02477-000	1	031-02477-000

* **Note:** Must order VSD Logic Board Kit (331-02507-602) when replacing Logic Board when replacing Logic Board (031-02507-100) and U52 (031-02649-002). (Kit includes items 59 & 171).

** **Note:** Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 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

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

TABLE 8A (CONT'D) – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-703* -40		371-04178-105** -46		371-04178-704* -50		371-04178-715* -40		371-04178-117** -46		371-04178-716* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-006	1	371-04460-004	1	371-04460-006	1	371-04460-006	1	371-04460-004	1	371-04460-006
152	Single Point Circuit Breaker	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152A	Operator Mechanism (Shaft and Handle)	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
155	E-Link Gateway	-	N/A	-	N/A	-	N/A	1	025-43893-000	1	025-43893-000	1	025-43893-000
156	Ground Lugs	3	025-32835-000	2	025-32835-000	3	025-32835-000	3	025-32835-000	2	025-32835-000	3	025-32835-000
157	Inductor	1	025-40742-000	1	025-39677-000	1	025-40742-000	1	025-40742-000	1	025-39677-000	1	025-40742-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-005
169	Cooling Fan Ass'y	1	371-04179-513	1	371-04179-502	1	371-04179-515	1	371-04179-513	1	371-04179-502	1	371-04179-515
171	Eprom, Logic Board (U52)	1	031-02649-003	1	031-02649-001	1	031-02649-003	1	031-02649-003	1	031-02649-001	1	031-02649-003
172	VSD Power Assembly (See Page 42)	1	371-04181-104	1	371-04181-101	1	371-04181-104	1	371-04181-104	1	371-04181-101	1	371-04181-104
173	Fan Contactor	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000
173A	Harness, Fan Contactor	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
177	Fuse Holder (3 Pole)	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40786-000	3	025-39681-000	3	025-40786-000	3	025-40786-000	3	025-39681-000	3	025-40786-000
182	Fuse, 30A (7-9FU, 14-16FU)	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35906-000
190	VSD Logic Board	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000
190A	VSD Logic Board (Obsolete)	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000

* Note: Must order VSD Logic Board Kit (331-02507-603) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-003). (Kit includes items 59 & 171).

** Note: Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 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 late (See example on Page 4) then compare to table above for power configuration options.

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

TABLE 8A (CONT'D) – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-709* -40		371-04178-111** -46		371-04178-710* -50		371-04178-721* -40		371-04178-123** -46		371-04178-722* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152	Single Point Circuit Breaker	1	224-34966-001	1	224-34965-001	1	224-34966-001	1	224-34966-001	1	224-34965-001	1	224-34966-001
152A	Operator Mechanism (Shaft and Handle)	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000
155	E-Link Gateway	-	N/A	-	N/A	-	N/A	1	025-43893-000	1	025-43893-000	1	025-43893-000
156	Ground Lugs	3	025-32835-000	2	025-32835-000	3	025-32835-000	3	025-32835-000	2	025-32835-000	3	025-32835-000
157	Inductor	1	025-40742-000	1	025-39677-000	1	025-40742-000	1	025-40742-000	1	025-39677-000	1	025-40742-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-005
169	Cooling Fan Assy	1	371-04179-513	1	371-04179-502	1	371-04179-515	1	371-04179-513	1	371-04179-502	1	371-04179-515
171	Eprom, Logic Board (U52)	1	031-02649-003	1	031-02649-001	1	031-02649-003	1	031-02649-003	1	031-02649-001	1	031-02649-003
172	VSD Power Assembly (See Page 42)	1	371-04181-104	1	371-04181-101	1	371-04181-104	1	371-04181-104	1	371-04181-101	1	371-04181-104
173	Fan Contactor	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-34916-000
173A	Harness, Fan Contactor	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-231
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
177	Fuse Holder (3 Pole)	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000	3	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40786-000	3	025-39681-000	3	025-40786-000	3	025-40786-000	3	025-39681-000	3	025-40786-000
182	Fuse, 30A (7-9FU, 14-16FU)	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000	6	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35906-000
190	VSD Logic Board	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000
190A	VSD Logic Board (Obsolete)	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000

* Note: Must order VSD Logic Board Kit (331-02507-603) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-003). (Kit includes items 59 & 171).

** Note: Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 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 8A (CONT'D) – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-723*		371-04178-129**		371-04178-724*		371-04178-727*		371-04178-141**		371-04178-728*	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	1	371-04460-006	1	371-04460-006	1	371-04460-006	1	371-04460-006	1	371-04460-006	1	371-04460-006
152	Single Point Circuit Breaker	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152A	Operator Mechanism (Shaft and Handle)	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
155	E-Link Gateway	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
156	Ground Lugs	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000
157	Inductor	1	025-40742-000	1	025-39677-000	1	025-40742-000	1	025-40742-000	1	025-39677-000	1	025-40742-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-005
169	Cooling Fan Ass'y	1	371-04179-513	1	371-04179-502	1	371-04179-515	1	371-04179-513	1	371-04179-502	1	371-04179-515
171	Eprom, Logic Board (U52)	1	031-02649-003	1	031-02649-001	1	031-02649-003	1	031-02649-003	1	031-02649-001	1	031-02649-003
172	VSD Power Assembly (See Page 42)	1	371-04181-104	1	371-04181-101	1	371-04181-104	1	371-04181-104	1	371-04181-101	1	371-04181-104
173	Fan Contactor	6	024-34916-000	6	024-34916-000	6	024-34916-000	6	024-35905-000	6	024-35905-000	6	024-35905-000
173A	Harness, Fan Contactor	1	571-04178-231	1	571-04178-231	1	571-04178-231	1	571-04178-241	1	571-04178-241	1	571-04178-241
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
177	Fuse Holder (3 Pole)	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40786-000	3	025-40763-000	3	025-40786-000	3	025-40786-000	3	025-40763-000	3	025-40786-000
182	Fuse, 30A (7-9FU, 14-16FU)	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35906-000
190	VSD Logic Board	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000
190A	VSD Logic Board (Obsolete)	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000

* Note: Must order VSD Logic Board Kit (331-02507-603) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-003). (Kit includes items 59 & 171).

** Note: Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 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 8A (CONT'D) – VARIABLE SPEED DRIVE COMPONENTS (SEE FIGS. 6-6C, PAGES 27-30)

Item Number	Description	371-04178-725* -40		371-04178-135** -46		371-04178-726* -50		371-04178-729* -40		371-04178-147** -46		371-04178-730* -50	
		Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number	Qty	Part Number
151	Single Point Terminal Block Kit	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A	-	N/A
152	Single Point Circuit Breaker	1	224-34966-001	1	224-34966-001	1	224-34966-001	1	224-34966-001	1	224-34966-001	1	224-34966-001
152A	Operator Mechanism (Shaft and Handle)	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000	1	024-34922-000
155	E-Link Gateway	-	N/A	-	N/A	-	N/A	1	025-43893-000	1	025-43893-000	1	025-43893-000
156	Ground Lugs	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000	3	025-32835-000
157	Inductor	1	025-40742-000	1	025-39677-000	1	025-40742-000	1	025-40742-000	1	025-39677-000	1	025-40742-000
166	SCR Trigger Board	1	031-02060-001	1	031-02060-001	1	031-02060-002	1	031-02060-001	1	031-02060-001	1	031-02060-002
167	Control Transformer 2T	1	025-40114-007	1	025-40114-001	1	025-40114-005	1	025-40114-007	1	025-40114-001	1	025-40114-005
169	Cooling Fan Assy	1	371-04179-513	1	371-04179-502	1	371-04179-515	1	371-04179-513	1	371-04179-502	1	371-04179-515
171	Eprom, Logic Board (U52)	1	031-02649-003	1	031-02649-001	1	031-02649-003	1	031-02649-003	1	031-02649-001	1	031-02649-003
172	VSD Power Assembly (See Page 42)	1	371-04181-104	1	371-04181-101	1	371-04181-104	1	371-04181-104	1	371-04181-101	1	371-04181-104
173	Fan Contactor	6	024-35905-000	6	024-35905-000	6	024-35905-000	6	024-35905-000	6	024-35905-000	6	024-35905-000
173A	Harness, Fan Contactor	1	571-04178-241	1	571-04178-241	1	571-04178-241	1	571-04178-241	1	571-04178-241	1	571-04178-241
175	Transformer, Current (Sys. 1) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
176	Transformer, Current (Sys. 2) 300 : 0.1 Ratio	3	025-21173-010	3	025-21173-009	3	025-21173-010	3	025-21173-010	3	025-21173-009	3	025-21173-010
177	Fuse Holder (3 Pole)	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000	7	025-39952-000
178	Fuse (1FU, 2FU, 3FU)	3	025-40786-000	3	025-40763-000	3	025-40786-000	3	025-40786-000	3	025-40763-000	3	025-40786-000
182	Fuse, 30A (7-9FU, 14-16FU)	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000	18	025-39683-000
183	Fuse, 10A (4FU, 5FU, 19FU)	3	031-35906-000	3	031-35905-000	3	031-35906-000	3	031-35906-000	3	031-35905-000	3	031-35906-000
190	VSD Logic Board	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000	1	031-02507-000
190A	VSD Logic Board (Obsolete)	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000	1	031-02477-000

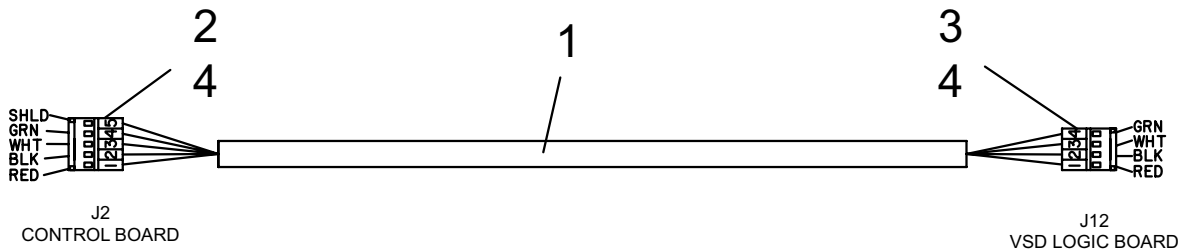
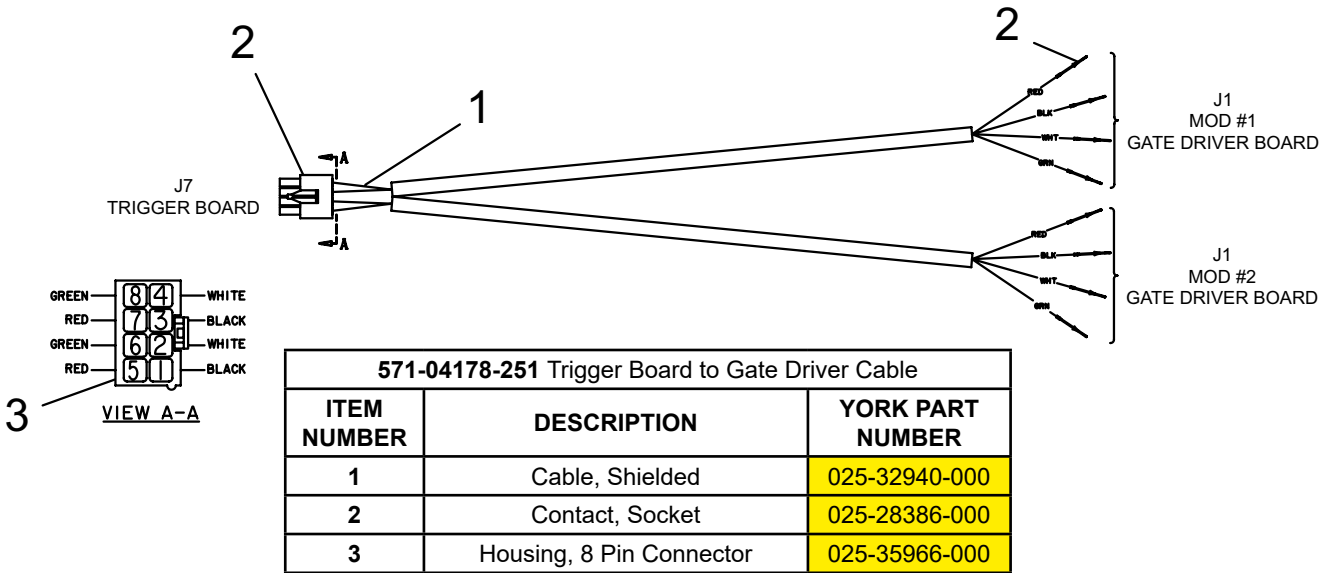
* **Note:** Must order VSD Logic Board Kit (331-02507-603) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-003). (Kit includes items 59 & 171).

** **Note:** Must order VSD Logic Board Kit (331-02507-601) when replacing Logic Board when replacing Logic Board (031-02507-000) and U52 (031-02649-001). (Kit includes items 59 & 171).

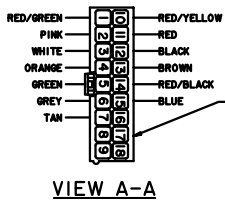
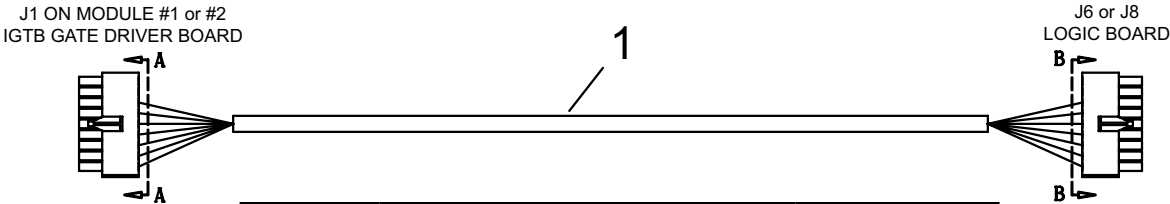
Service Note:

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 table above for power configuration options.

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)



571-04178-271 Logic Board to Control Board Cable		
ITEM NUMBER	DESCRIPTION	YORK PART NUMBER
1	Cable, Shielded	025-32940-000
2	Housing, Closed End	025-39990-000
3	Housing, Closed End	025-39989-000
4	Contact, Receptacle	025-35970-000



571-04178-281 Gate Driver to Logic Board Cable - Compressor #1 571-04178-282 Gate Driver to Logic Board Cable - Compressor #2		
ITEM NUMBER	DESCRIPTION	YORK PART NUMBER
1	Cable, Shielded	025-35934-000
2	Plug, Keying	025-38795-000
3	Housing, 18 Pin Connector	025-35964-000
4	Contact, Socket	025-28386-000

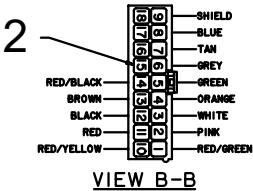
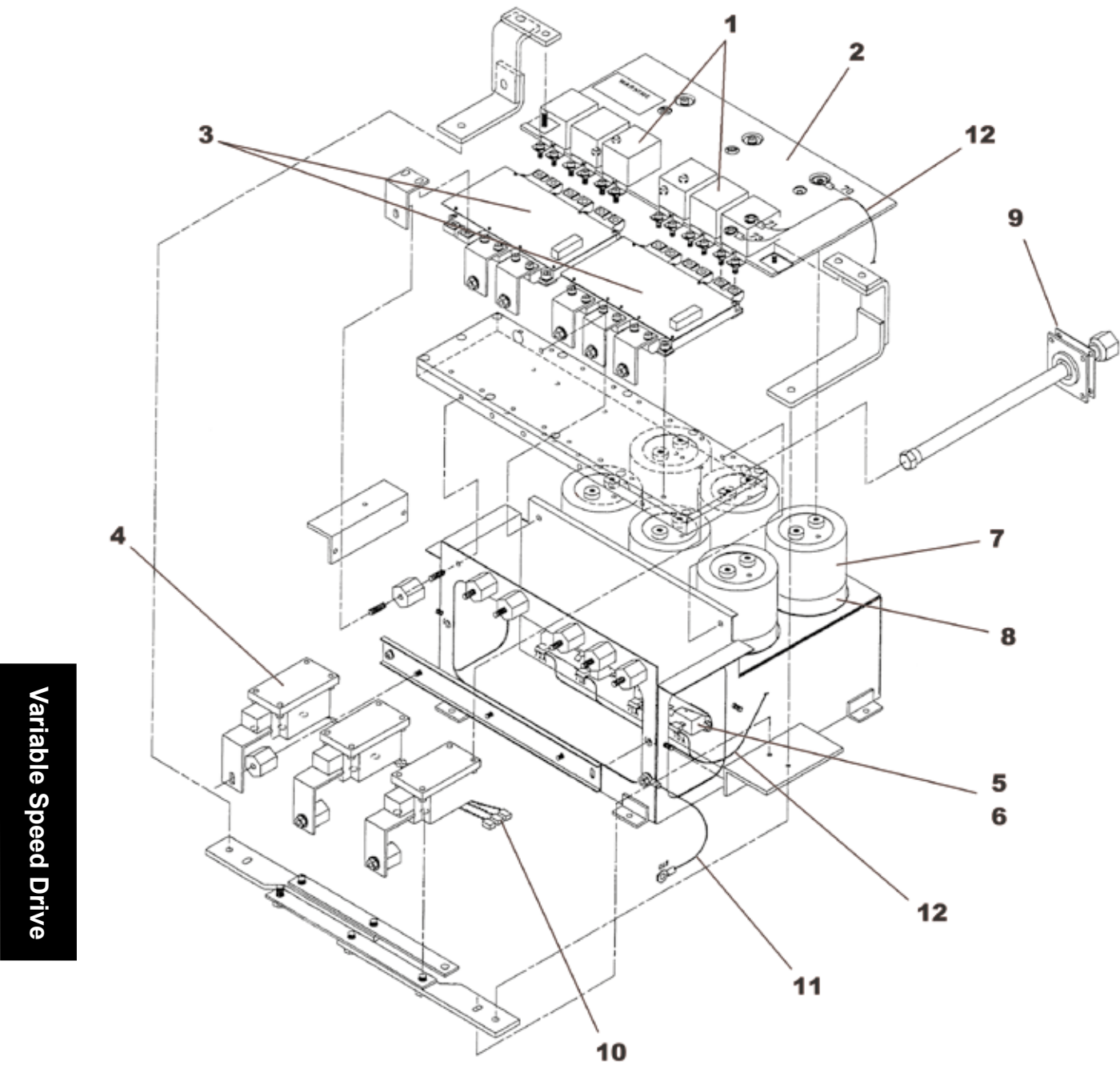


FIG. 6D – CABLE PART NUMBERS

Variable Speed Drive

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VARIABLE SPEED DRIVE POWER ASSEMBLY COMPONENTS (371-04181-101 OR -104)



Variable Speed Drive

FIG. 7 – VARIABLE SPEED DRIVE POWER ASSEMBLY COMPONENTS
(REF. TABLE 9, PAGE 43)

VARIABLE SPEED DRIVE POWER ASSEMBLY COMPONENTS (CONT'D)

TABLE 9 – VARIABLE SPEED DRIVE POWER ASSEMBLY COMPONENTS
(SEE FIG. 7, PAGE 42)

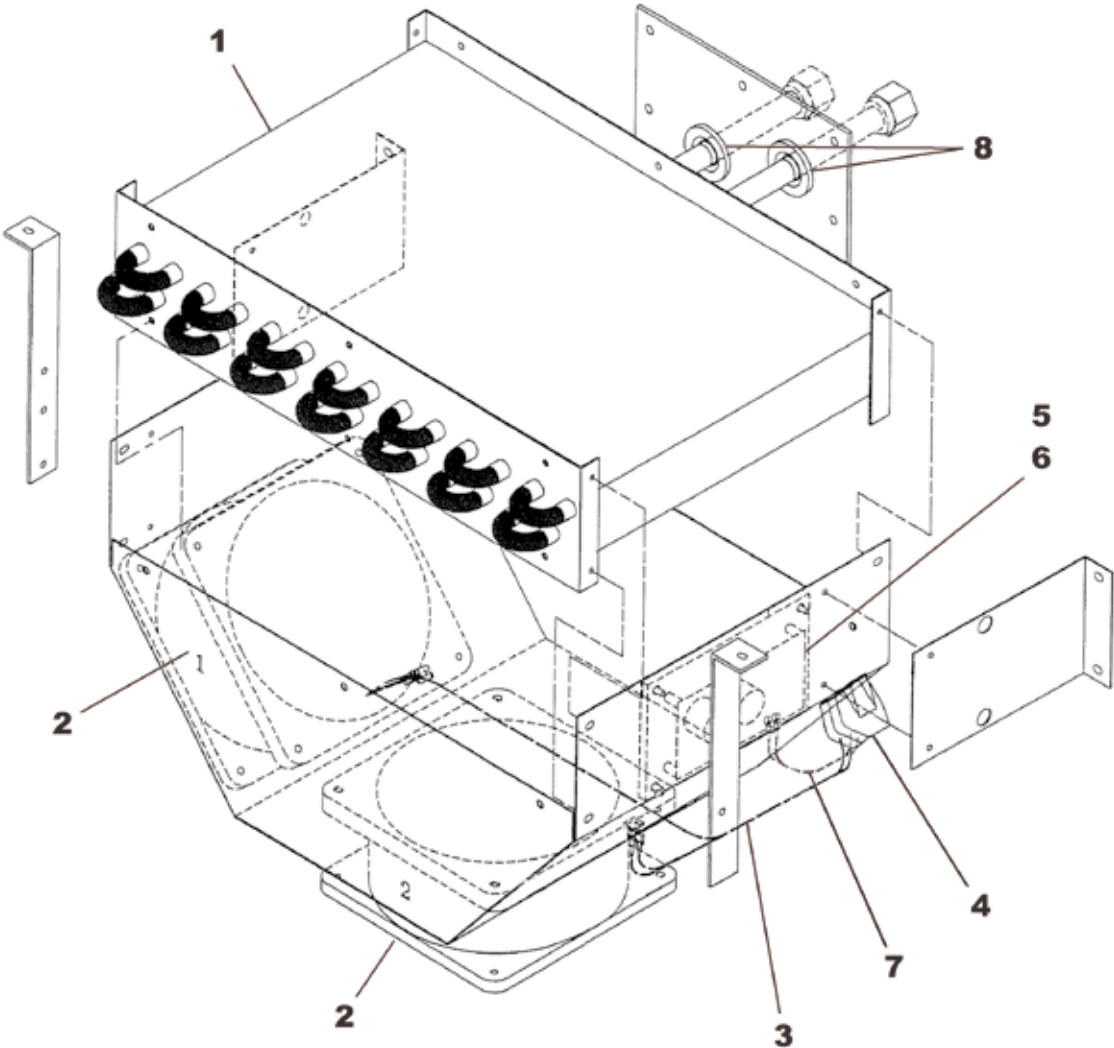
ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	YORK PART NUMBER
1	6	CAPACITOR (IGBT SNUBBER)	025-35972-000
3	2	IGBT ASSEMBLY REPLACEMENT KIT*	371-04479-001
4	3	SCR/DIODE MODULE REPLACEMENT KIT	371-04478-001
5	2	RESISTOR	025-35157-000
6	2	THERMAL PAD	028-15299-000
9	2	GASKET	028-15113-000
10	1	HARNESS, SCR TO TRIGGER BD.	571-04181-221
11	1	HARNESS, GROUND	571-04181-242
12	1	HARNESS, EQUALIZER	571-04181-241

***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.

***Note:** Filter Capacitors (Item 7), Capacitor Insulator (Item 8), and the laminated BUS Structure (Item 2) shown in Figure 7, on page 42 are not replacement parts. This is due to the difficulty in replacing, alignment, and electrical connections of these parts. If damage to these parts occurs, the complete pole assembly must be replaced.

VARIABLE SPEED DRIVE FAN ASSEMBLY COMPONENTS

FIG. 8 – VARIABLE SPEED DRIVE FAN ASSEMBLY COMPONENTS (REF. TABLE 10)

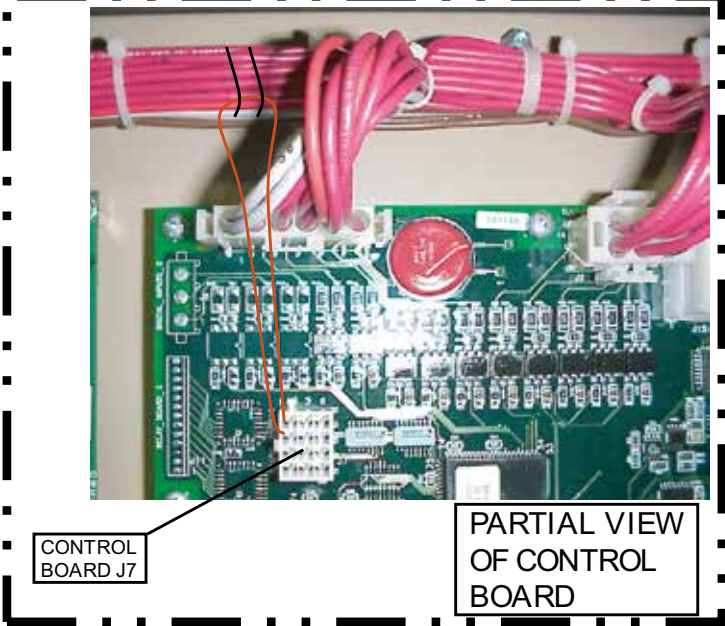


04179-5a

TABLE 10 – VARIABLE SPEED DRIVE FAN ASSEMBLY COMPONENTS (SEE FIG. 8)

ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	YORK PART NUMBER
1	1	COIL, GLYCOL COOLING	026-41590-000
2	2	FAN, COOLING 115V - 330CFM	025-40105-000
	2	FAN, COOLING 115V - 330CFM	025-32557-000
3	1	HARNESS, FAN ASSEMBLY	571-04179-244
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

PLUG / JUMPER ARRANGEMENT



04484-0a

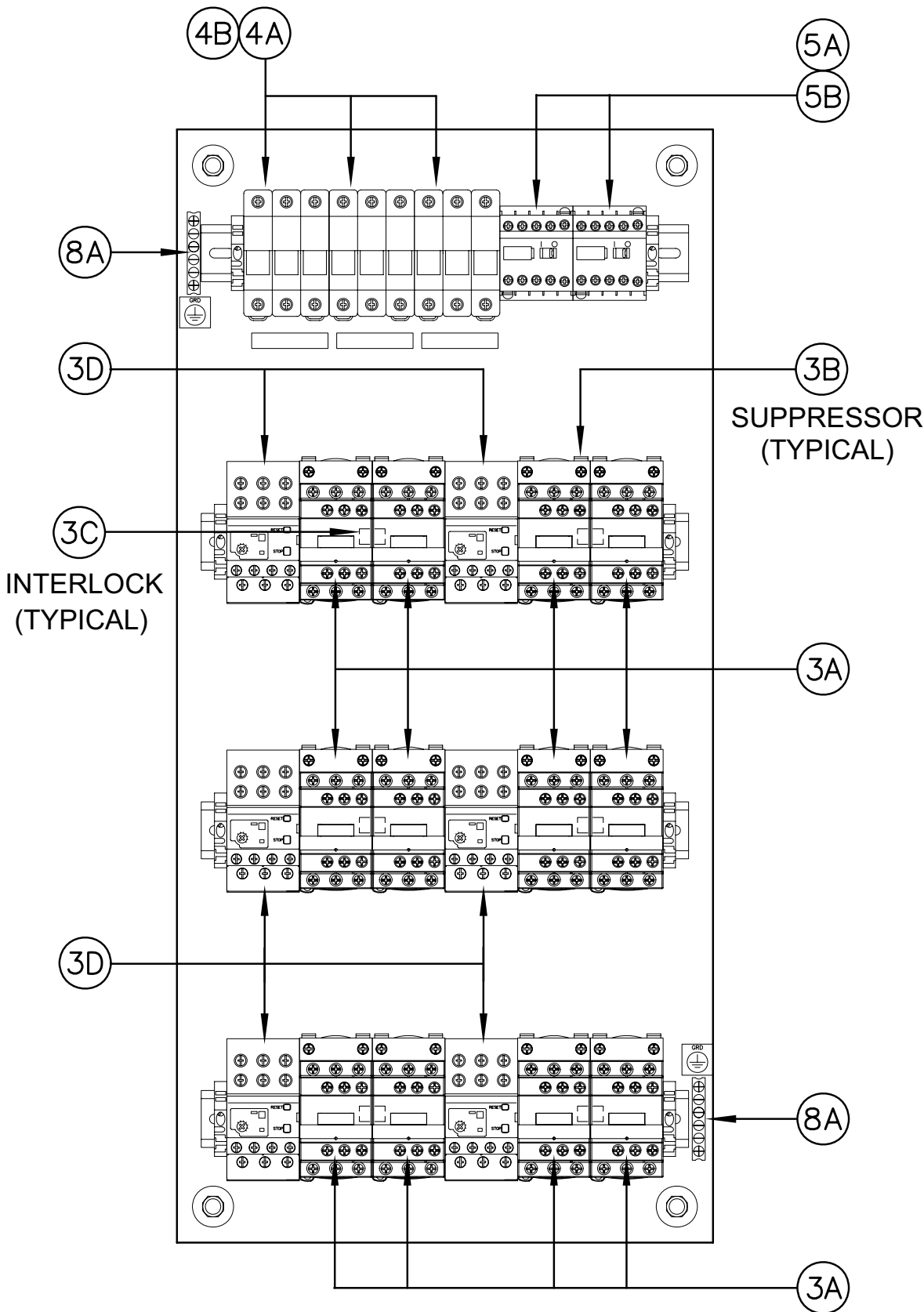
FIG. 9 – PLUG / JUMPER ARRANGEMENT (REF. TABLE 11)

TABLE 11 – PLUG / JUMPER ARRANGEMENT (SEE FIG. 9)

PLUG / JUMPER ARRANGEMENT			
PLUG P/N	JUMPER DETAIL	MODELS 60HZ	MAX VSD FREQUENCY
371-04484-101		YCIV0650SA/PA YCIV0760EA/VA YCIV1000EA/VA	182
371-04484-102		YCIV0590EA/VA YCIV0770SA/PA	186
371-04484-103		YCIV0700EA/VA YCIV0800EA/VA	192
371-04484-104		YCIV0600SA/PA YCIV0630EA/VA YCIV0650SA/PA YCIV0720SA/PA YCIV0840EA/VA YCIV0920SA/PA YCIV0930EA/VA YCIV1000SA/PA	200

Variable Speed Drive

TWO SPEED FAN CONTACTOR PANEL



209201-B

FIG. 10 – TWO SPEED FAN CONTACTOR PANEL COMPONENTS
(REF. TABLE 12, PAGE 47)

TWO SPEED FAN CONTACTOR PANEL (CONT'D)

TABLE 12 – TWO SPEED FAN CONTACTOR PANEL COMPONENTS
(SEE FIG. 10, PAGE 46)

TWO SPEED FAN CONTACTOR PANEL COMPONENTS		
ITEM #	DESCRIPTION	PART NUMBER
3A	CONTACTOR, 3 POLE 9A	024-34302-000
3B	SURGE SUPPRESSOR	031-02104-000
3C	MECHANICAL INTERLOCK	024-34311-000
3D	OVERLOAD RELAY	024-35955-000
4A	FUSE BLOCK	025-39429-000
4B	FUSE	025-39430-000
5A	CONTROL RELAY	024-31635-000
5B	AUXILLIARY CONTACT BLOCK	025-35694-000
8A	GROUND BAR	025-35685-000

SENSOR HARNESSES

66894-000-7a

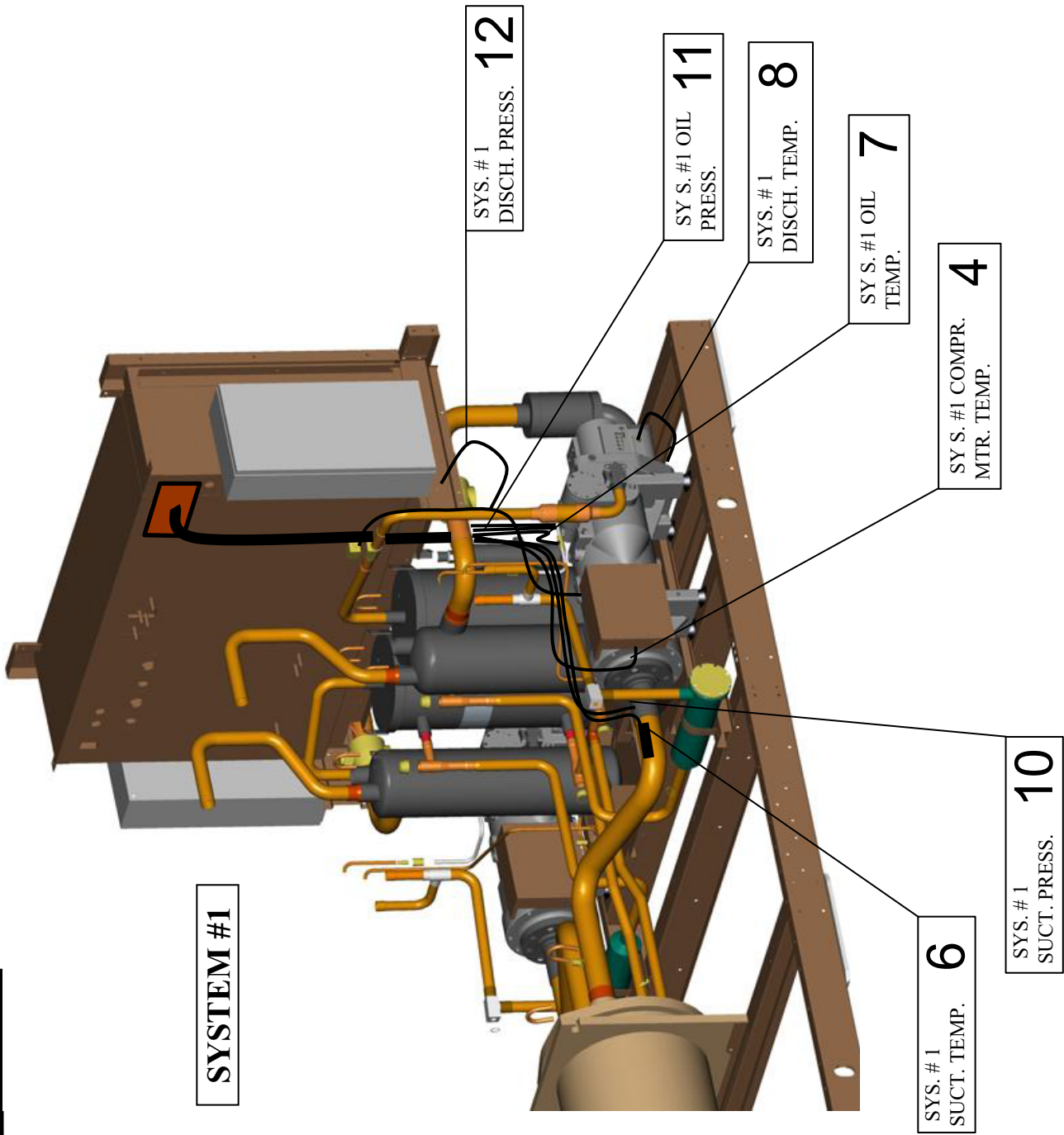


FIG. 11 – HARNESS LAYOUT (REF. TABLE 13, PAGES 52, 53 AND 54)

SENSOR HARNESSES (CONT'D)

66894-000-9a

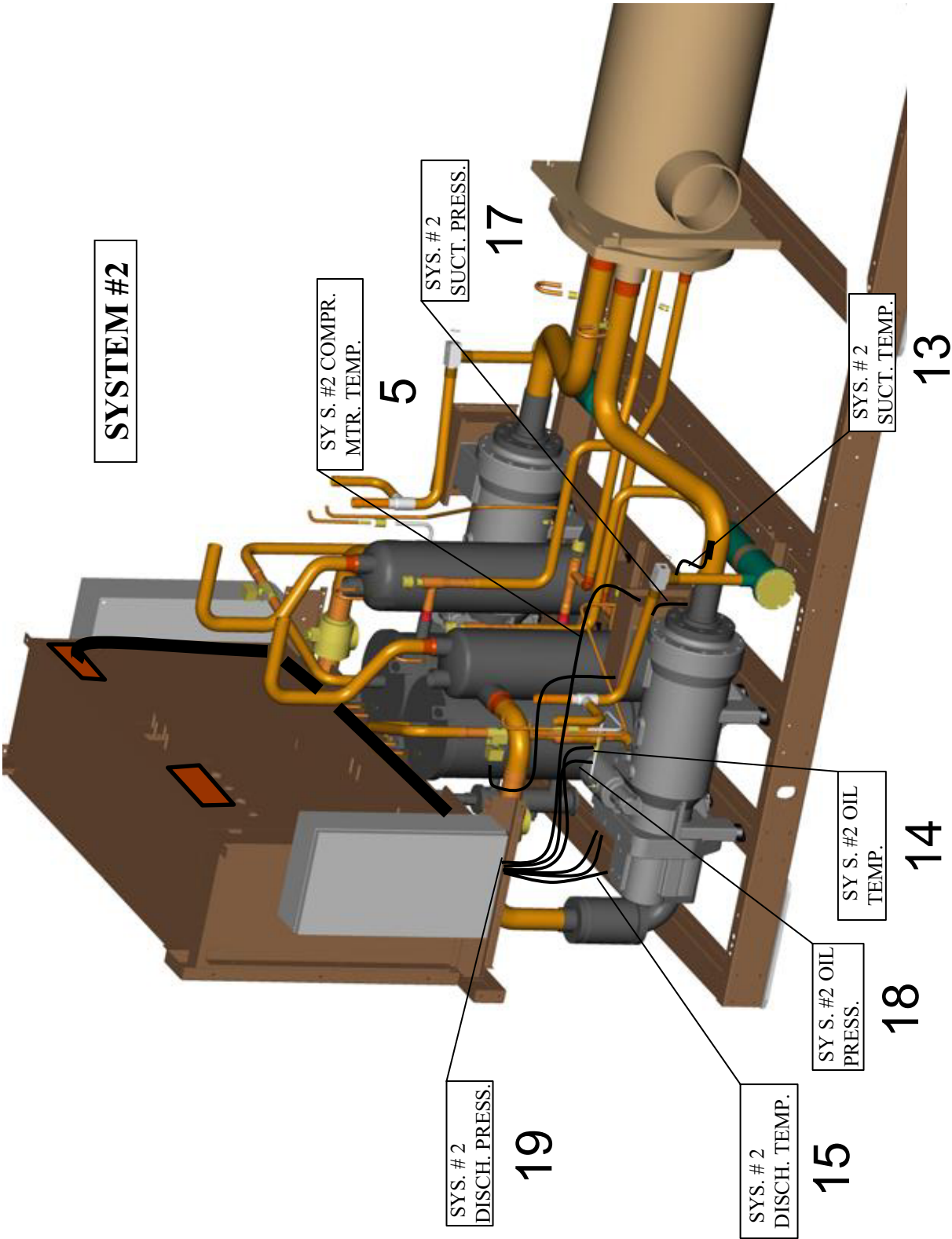


FIG. 11A – HARNESS LAYOUT (REF. TABLE 13, PAGES 52, 53 AND 54)

SENSOR HARNESSES (CONT'D)

66894-000-3a

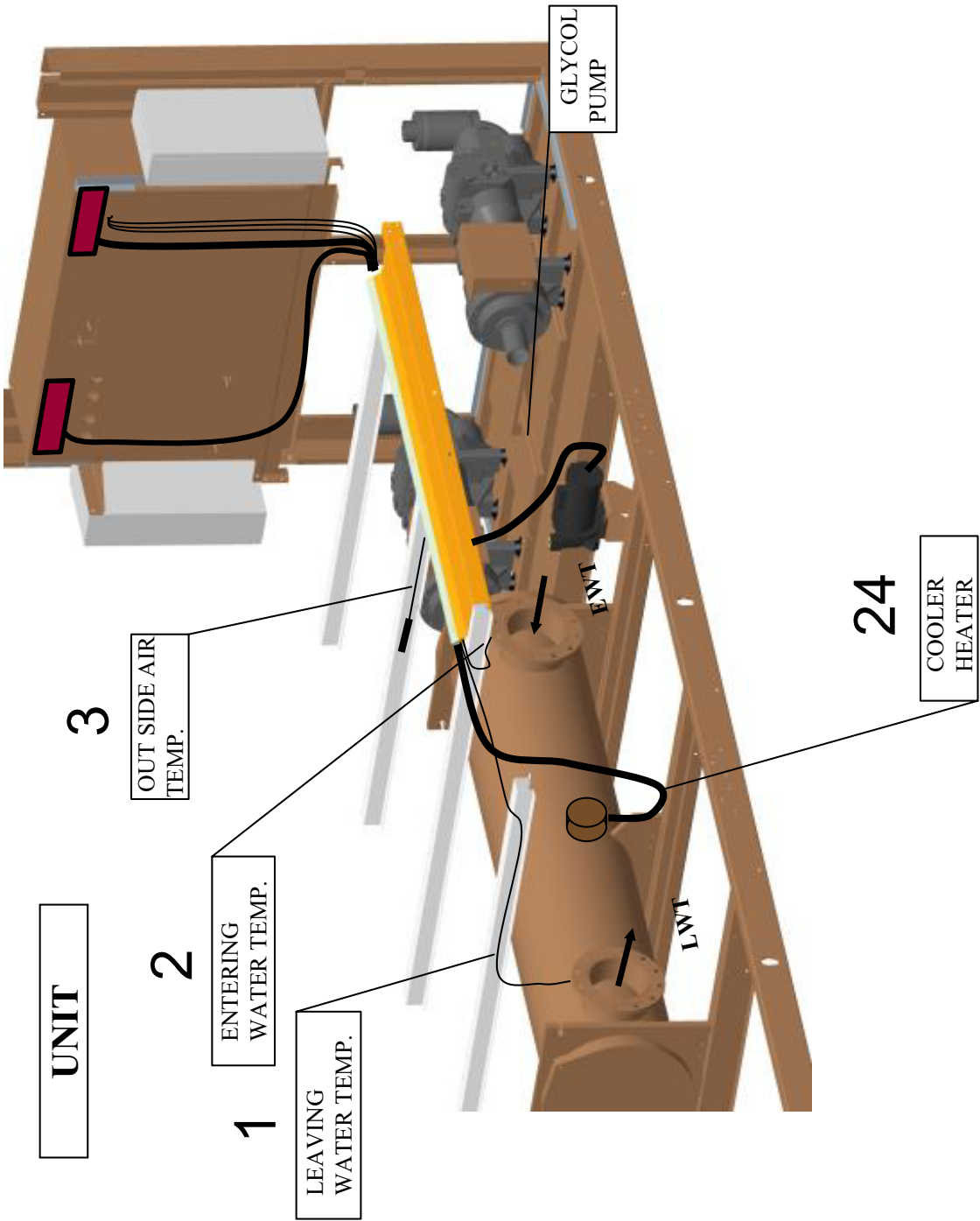


FIG. 11B – HARNESS LAYOUT (REF. TABLE 13, PAGES 52, 53 AND 54)

SENSOR HARNESSES (CONT'D)

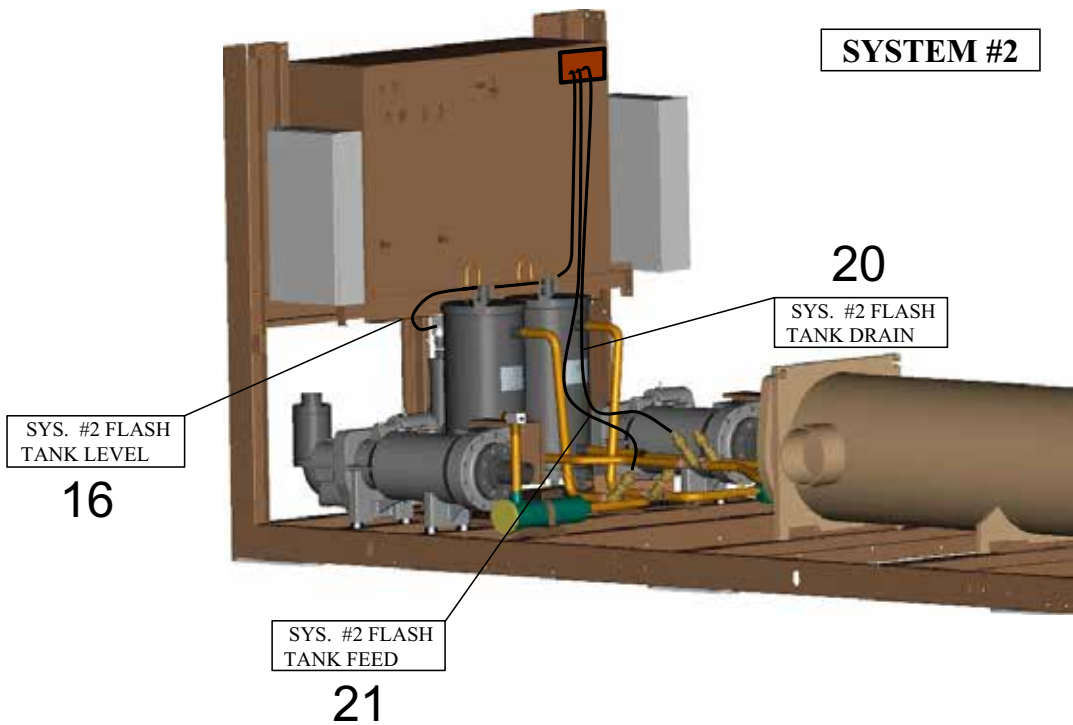
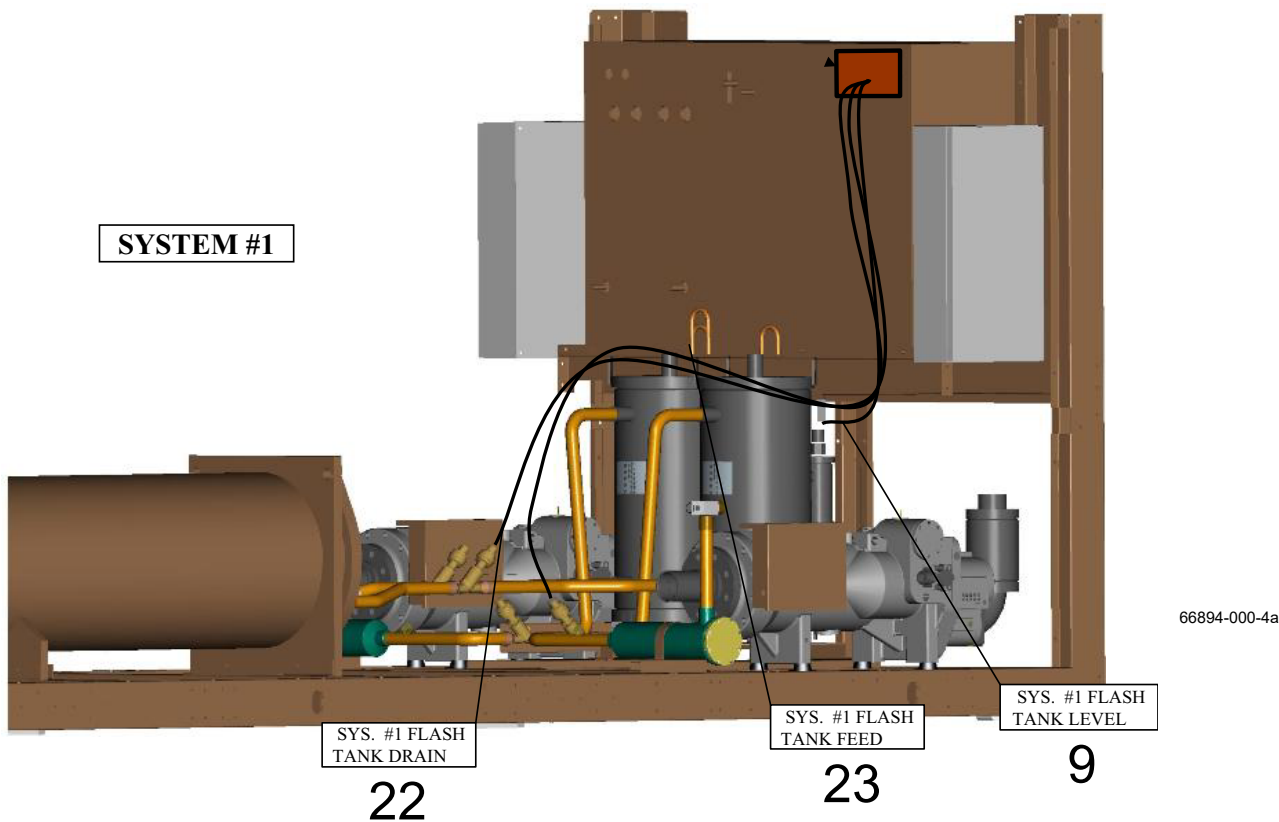
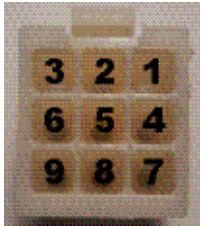
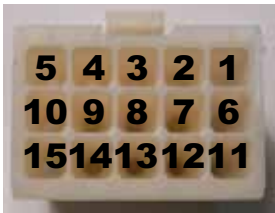


FIG. 11C – HARNESS LAYOUT (REF. TABLE 13, PAGES 52, 53 AND 54)

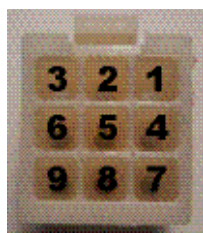
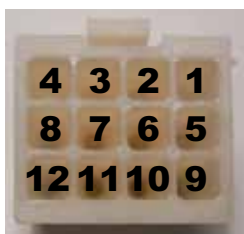
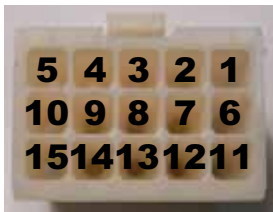
SENSOR HARNESSES (CONT'D)

TABLE 13 – SENSOR HARNESS WIRING (SEE FIGS. 11, 11A, 11B AND 11C, PAGES 48, 49, 50 AND 51)

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	575-54455-317
			2	Red			
			3	Black			
			4	White			
			5	Drain	9	System #1 Flash Tank Level	575-54455-315
			6	White			
			7	Red			
			8	Black			
			9	Drain			
	Plug = 025-29185-000 Pin = 025-28386-000	P27	1	Black	6	System #1 Suction Temperature	575-54455-308
			2	Red			
			3	Drain			
	Plug = 025-28384-000 Pin = 025-28386-000	P28	1	Black	8	System #1 Discharge Temperature	575-54455-310
			2	Red			
			3	Drain			
			5	Green	22	System #1 Flash Tank Drain	575-54455-319
			6	Red			
			7	Black			
			8	White	23	System #1 Flash Tank Feed	575-54455-320
			9	Green			
			10	Red			
			11	Black			
			12	White			
	Plug = 025-28385-000 Pin = 025-28386-000	P29	1	White	10	System #1 Suction Pressure	575-54455-302
			2	Red			
			3	Black			
			4	Drain			
			6	White	11	System #1 Oil Pressure	575-54455-304
			7	Red			
			8	Black			
			9	Drain			
			11	White	12	System #1 Discharge Pressure	575-54455-306
			12	Red			
			13	Black			
			14	Drain			
			5	Black	7	System #1 Oil Temperature	575-54455-300
			10	Red			
			15	Drain			

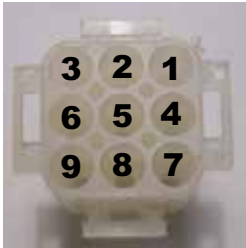
SENSOR HARNESSES (CONT'D)

TABLE 13 (CONT'D) – SENSOR HARNESS WIRING (SEE FIGS. 11, 11A, 11B AND 11C, PAGES 48, 49, 50 AND 51)

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	575-54455-318
			2	Red			
			3	Black			
			4	White			
			5	Drain			
			6	White	16	System #2 Flash Tank Level	575-54455-316
			7	Red			
			8	Black			
			9	Drain			
	Plug = 025-29185-001 Pin = 025-28386-000	P31	1	Black	13	System #2 Suction Temperature	575-54455-309
			2	Red			
			3	Drain			
	Plug = 025-28384-001 Pin = 025-28386-000	P32	1	Black	15	System #2 Discharge Temperature	575-54455-311
			2	Red			
			3	Drain			
			5	Green	20	System #2 Flash Tank Drain	575-54455-321
			6	Red			
			7	Black			
			8	White	21	System #2 Flash Tank Feed	575-54455-322
			9	Green			
			10	Red			
			11	Black			
			12	White			
				Plug = 025-28385-001 Pin = 025-28386-000	P33	1	White
2	Red						
3	Black						
4	Drain						
6	White	18				System #2 Oil Pressure	575-54455-305
7	Red						
8	Black						
9	Drain	19				System #2 Discharge Pressure	575-54455-307
11	White						
12	Red						
13	Black						
14	Drain						
5	Black	14				System #2 Oil Temperature	575-54455-301
10	Red						
15	Drain						

SENSOR HARNESSES (CONT'D)

TABLE 13 (CONT'D) – SENSOR HARNESS WIRING (SEE FIGS. 11, 11A, 11B AND 11C, PAGES 48, 49, 50 AND 51)

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	575-54455-312
			2	Red			
			3	Drain			
			4	Black	2	Entering Water Temperature	575-54455-313
			5	Red			
			6	Drain			
			7	Black	3	Outside Air Temperature	575-54455-314
			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 = 025-19671-000 Pin = 025-20919-000	P36	1	2	24	Cooler Heater	575-54455-204
			2	29			
			3	Ground			

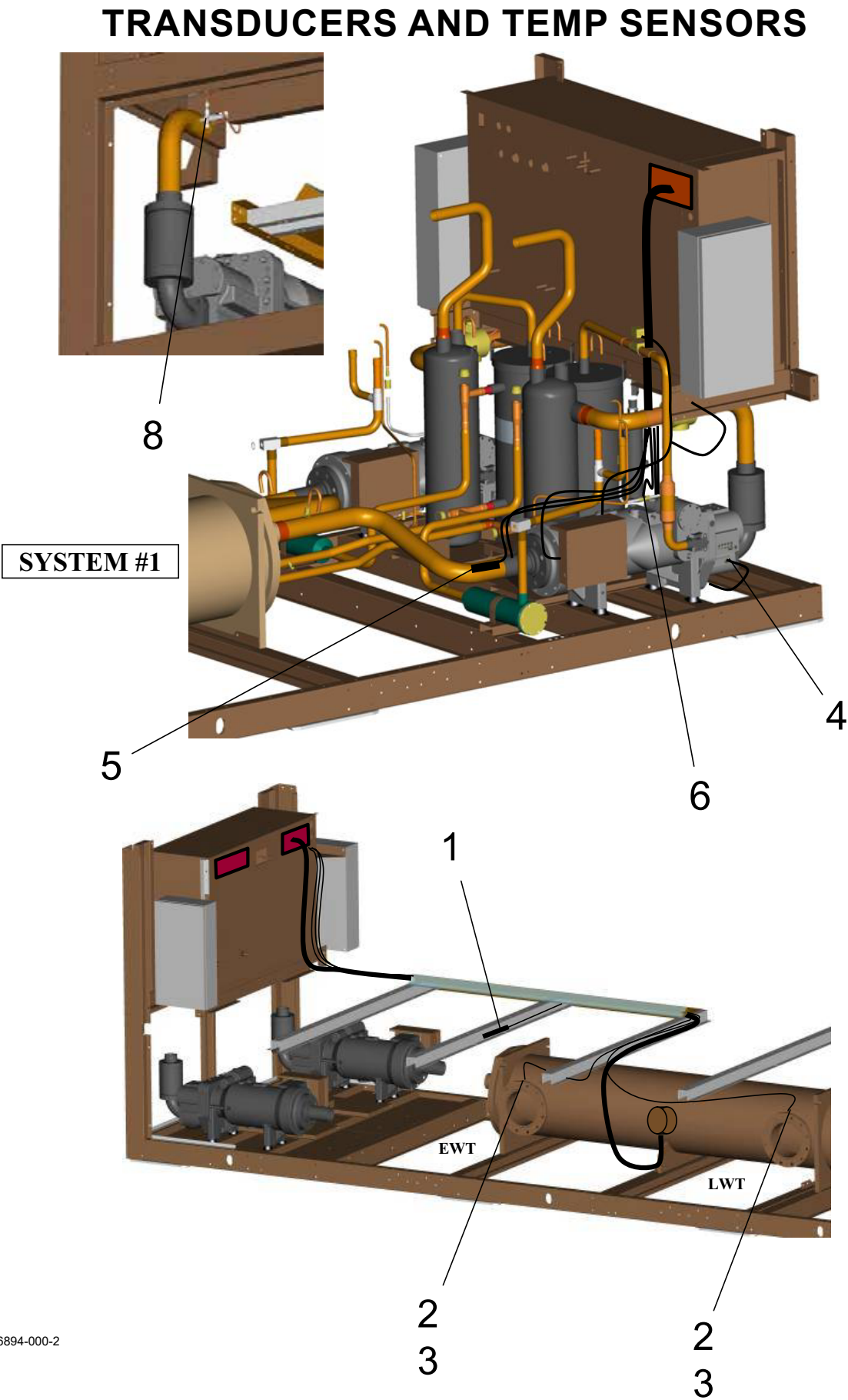


FIG. 12 – TRANSDUCERS AND TEMP SENSORS (REF. TABLE 14, PAGE 56)

TRANSDUCERS AND TEMP SENSORS (CONT'D)

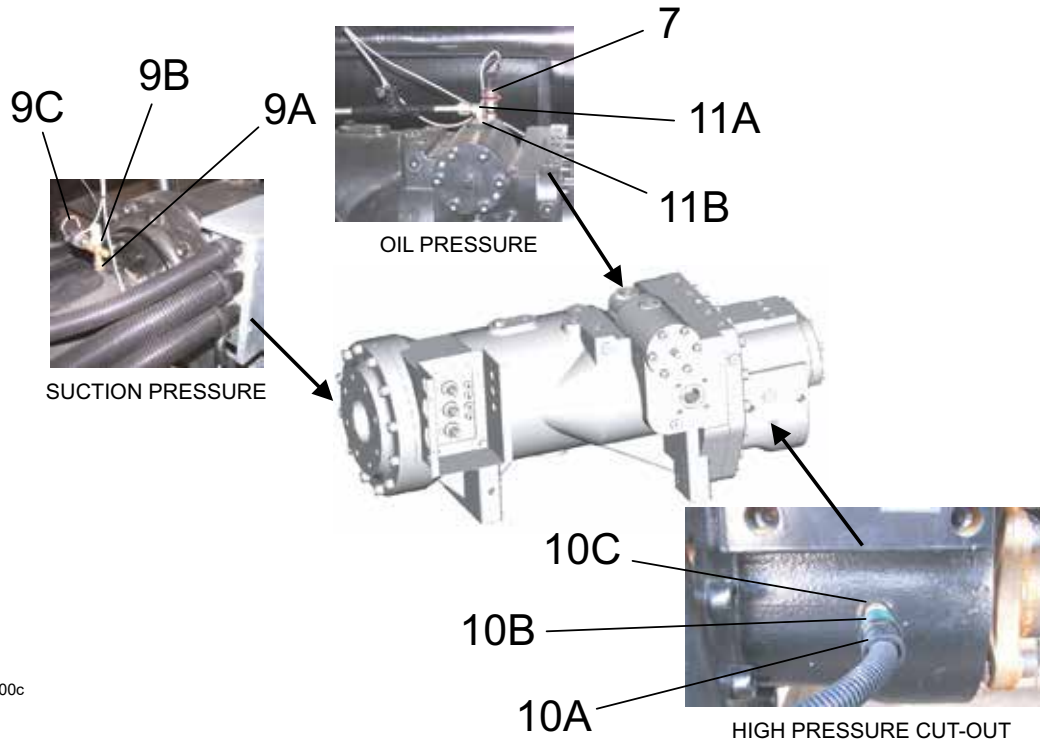


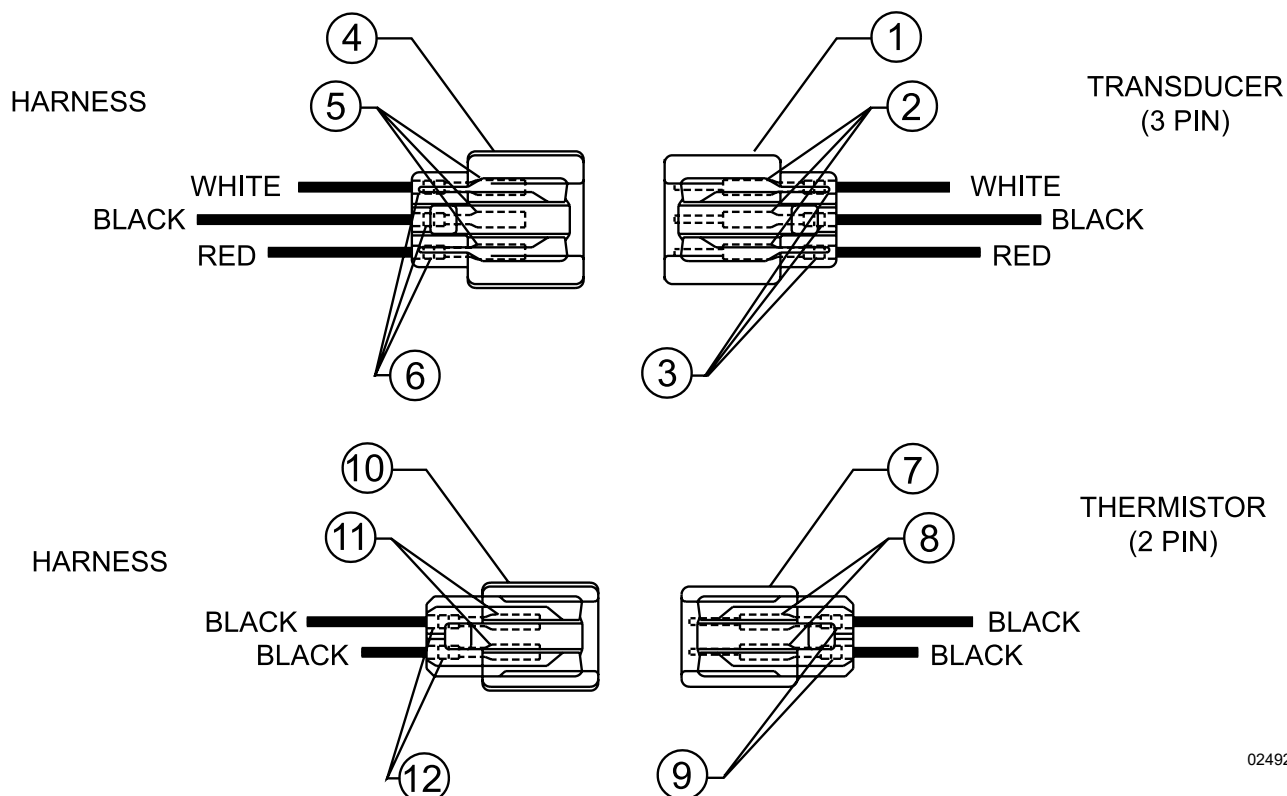
FIG. 12A – TRANSDUCERS AND HIGH PRESSURE CUT-OUT (REF. TABLE 14, PAGE 56)

TABLE 14 – TRANSDUCERS, TEMP SENSORS AND HIGH PRESSURE CUT-OUT SWITCH (SEE FIGS. 12 AND 12A, PAGES 55 AND 56)

Item #	Quantity	Description	Volt-age Code	Part Number
1^S	1	Sensor, Outside Air Temperature	All	025-28663-001
2^S	2	Sensor, Water Temp. (EWT, LWT)	All	025-40334-000
3	-	Compound, Heat Conductive	All	013-00898-000
4^S	2 per system	Sensor, Discharge Temperature	All	025-32924-000
5^S	2 per system	Sensor, Suction Temperature	All	025-28935-000
6^S	2 per system	Sensor, Oil Temperature	All	025-30440-000
7^S	1 per system	Transducer, Oil Pressure (0-275psi)	All	025-29139-003
8^S	1 per system	Transducer, Discharge Pressure (0-275psi)	All	025-29139-003
9A^S	1 per system	Adapter, 3/4"-16M x 1/4 NPTF	All	023-18225-000
9B^S		Valve, Transducer w/ 1/4" Flange	All	022-09503-000
9C^S		Transducer, Suction Pressure (0-125psi)	All	025-29583-001
10A	1 per system	Connector, 7/16"-20M	All	023-18087-000
10B		High Pressure Cut Out Switch	All	025-39956-000
10C		O-ring (Use with ITEM 10A)	All	028-13540-000
11A	1 per system	Elbow, 90° Oil Inlet	All	023-18945-000
11B		O-ring (Use with ITEM 11A)	All	028-12961-004

^S Recommended Spare Part

TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS



02492-2b

FIG. 13 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS (REF. TABLE 15)

TABLE 15 – TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS - FIELD REPLACEMENT PART NUMBERS (SEE FIG. 13)

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

^s Recommended Spare Part

VIBRATION ISOLATORS

TABLE 16 – VIBRATION ISOLATORS PART NUMBERS

ONE INCH DEFLECTION SPRING ISOLATOR CROSS REFERENCE				
FOR UNITS WITH ALL 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 ANY 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-B-1000	BLACK	029-24583-007
851 to 1149 lbs.	386 to 521 kg.	CIP-B-1350	YELLOW	029-24583-008
1149 to 1489 lbs.	521 to 675 kg.	CIP-B-1750	BLACK	029-24583-009
1489 to 1786 lbs.	675 to 910 kg.	CIP-B-2100	YELLOW W/ RED	029-24583-010
1786 to 2028 lbs.	910 to 920 kg.	CIP-B-2385	YELLOW W/ GREEN	029-24583-011
2028 to 2254 lbs.	920 to 1022 kg.	CIP-B-2650	RED W/ RED	029-24583-012
2254 to 2936 lbs.	1022 to 1332 kg.	CIP-B-2935	RED W/ GREEN	029-24583-013

NEOPRENE ISOLATOR CROSS REFERENCE				
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-DS	YELLOW	029-24584-004

TWO INCH DEFLECTION, SEISMIC SPRING ISOLATOR CROSS REFERENCE				
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 W/ RED	029-24585-013
2619 to 3180 lbs.	1188 to 1442 kg.	SLRS-2-C2-3740	SILVER W/ RED	029-24585-014

YCIV CHILLER OPTIONS

TABLE 17 – FIELD INSTALLED OPTIONS PART NUMBERS

MODEL NUMBER YCIV	STANDARD 150# FLOW SWITCH	OPTIONAL 300# FLOW SWITCH	WELD FLANGE KIT	VICTAULIC FLANGE KIT	DIFFERENTIAL PRESSURE SWITCH
MODEL #	024-26116	024-12144	023-02366	023-	025-30919
0590	-000	-000	-000	19201-000	-000
0600				19046-000	
0630				19201-000	
0650					
0700					
0720					
0760					
0770					
0800					
0830					
0840					
0920					
0930					
1000					

ENCLOSURE KIT OPTIONS

TABLE 18 – 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
0590	N/A	475-68136-008	N/A	475-68137-008
0600	475-68136-008	N/A	475-68137-008	N/A
0630	N/A	475-68136-009	N/A	475-68137-009
0650	475-68136-008	N/A	475-68137-008	N/A
0700	N/A	475-68136-010	N/A	475-68137-010
0720	475-68136-009	N/A	475-68137-009	N/A
0760	N/A	475-68136-010	N/A	475-68137-010
0770	475-68136-009	N/A	475-68137-009	N/A
0800	N/A	475-68136-011	N/A	475-68137-011
0830	N/A	475-68136-012	N/A	475-68137-012
0840	475-68136-010	N/A	475-68137-010	N/A
0920	475-68136-011	N/A	475-68137-011	N/A
0930	N/A	475-68136-012	N/A	475-68137-012
1000	475-68136-012	N/A	475-68137-012	N/A

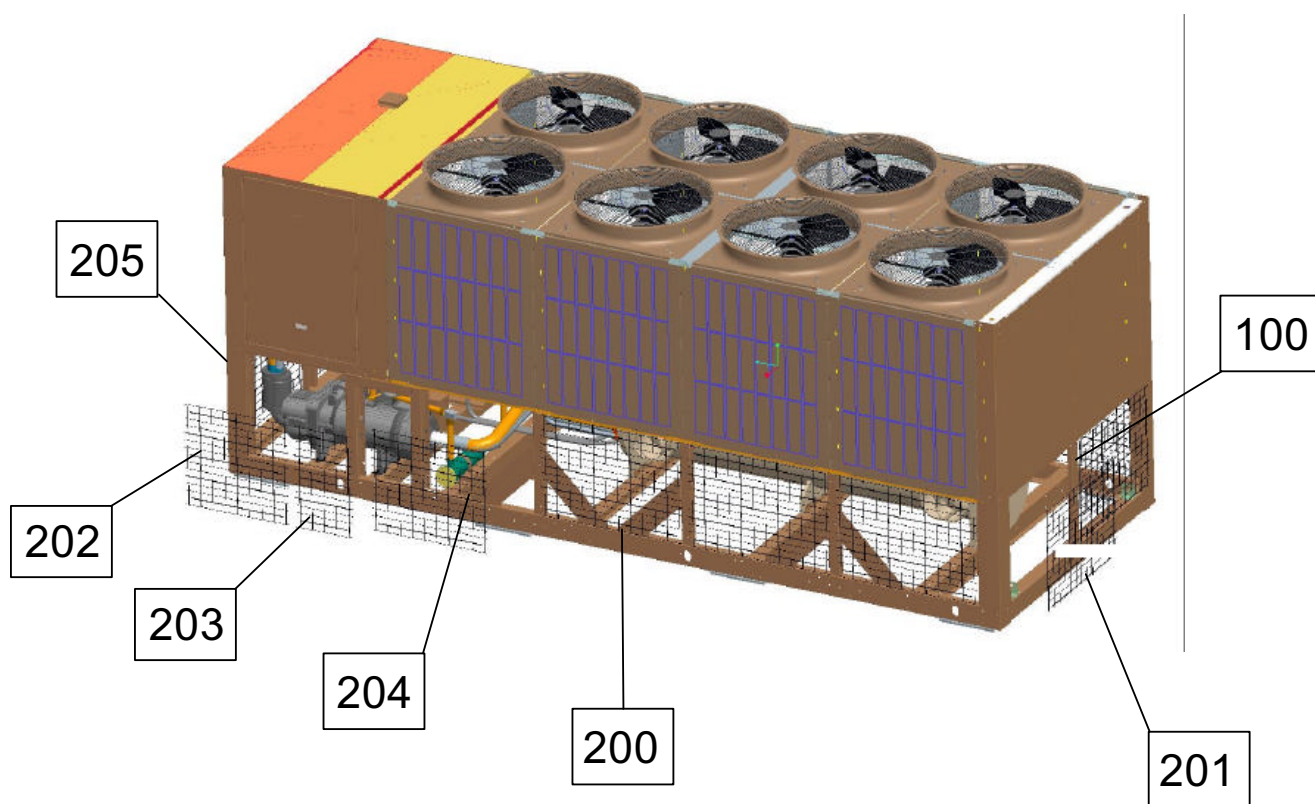
FULL ENCLOSURE KIT PART NUMBERS				
MODEL NUMBER YCIV-	WIRE/LOUVERED ENCLOSURE		LOUVERED ENCLOSURE (COND. ONLY)	
	STANDARD EFFICIENCY	HIGH EFFICIENCY	STANDARD EFFICIENCY	HIGH EFFICIENCY
0590	N/A	475-68138-008	N/A	475-68137-080
0600	475-68138-008	N/A	475-68137-080	N/A
0630	N/A	475-68138-009	N/A	475-68137-090
0650	475-68138-008	N/A	475-68137-080	N/A
0700	N/A	475-68138-010	N/A	475-68137-100
0720	475-68138-009	N/A	475-68137-090	N/A
0760	N/A	475-68138-010	N/A	475-68137-100
0770	475-68138-009	N/A	475-68137-090	N/A
0800	N/A	475-68138-011	N/A	475-68137-110
0830	N/A	475-68138-012	N/A	475-68137-120
0840	475-68138-010	N/A	475-68137-100	N/A
0920	475-68138-011	N/A	475-68137-110	N/A
0930	N/A	475-68138-012	N/A	475-68137-120
1000	475-68138-012	N/A	475-68137-120	N/A

ENCLOSURE KIT OPTIONS (CONT'D)

TABLE 18A – ENCLOSURE KIT OPTIONS - TOP AND BOTTOM SECTIONS
(SEE FIGS. 14, 15, 16, 17 AND 17A, PAGES 62-66)

FULL KIT NUMBER	TOP OR BOTTOM	PART NUMBER
WIRE ENCLOSURES		
475-68136-008	(Top)	375-68136-080
	(Bottom)	375-68136-081
475-68136-009	(Top)	375-68136-090
	(Bottom)	375-68136-101
475-68136-010	(Top)	375-68136-100
	(Bottom)	375-68136-101
475-68136-011	(Top)	375-68136-110
	(Bottom)	375-68136-121
475-68136-012	(Top)	375-68136-120
	(Bottom)	375-68136-121
LOUVERED ENCLOSURE		
475-68137-008	(Top)	375-68137-080
	(Bottom)	375-68137-081
475-68137-009	(Top)	375-68137-090
	(Bottom)	375-68137-101
475-68137-010	(Top)	375-68137-100
	(Bottom)	375-68137-101
475-68137-011	(Top)	375-68137-110
	(Bottom)	375-68137-121
475-68137-012	(Top)	375-68137-120
	(Bottom)	375-68137-121
WIRE/LOUVERED ENCLOSURE		
475-68138-008	(Top)	375-68138-080
	(Bottom)	375-68138-081
475-68138-009	(Top)	375-68138-090
	(Bottom)	375-68138-101
475-68138-010	(Top)	375-68138-100
	(Bottom)	375-68138-101
475-68138-011	(Top)	375-68138-110
	(Bottom)	375-68138-121
475-68138-012	(Top)	375-68138-120
	(Bottom)	375-68138-121

ENCLOSURE KIT OPTIONS (CONT'D)


Enclosure Options

68136-001A

FIG. 15 – WIRE ENCLOSURE (BOTTOM SECTIONS) - 375-68136-081 SHOWN (REF. TABLE 20)

TABLE 20 – WIRE ENCLOSURE (BOTTOM SECTIONS) - (SEE FIG. 15)

WIRE ENCLOSURE BOTTOM SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	REAR SUPPORT	075-68135-000	1
200	WIRE GRILL	026-44013-000	6**
201	WIRE GRILL - REAR	026-44014-000	2
202	WIRE GRILL	026-44017-000	2
203	WIRE GRILL	026-44016-000	2
204	WIRE GRILL	026-44015-000	2
205	WIRE GRILL - FRONT	026-44018-000	2

** Refer to page 49, Quantity for 375-68136-101 = 8

** Refer to page 49, Quantity for 375-68136-201 = 10

ENCLOSURE KIT OPTIONS (CONT'D)

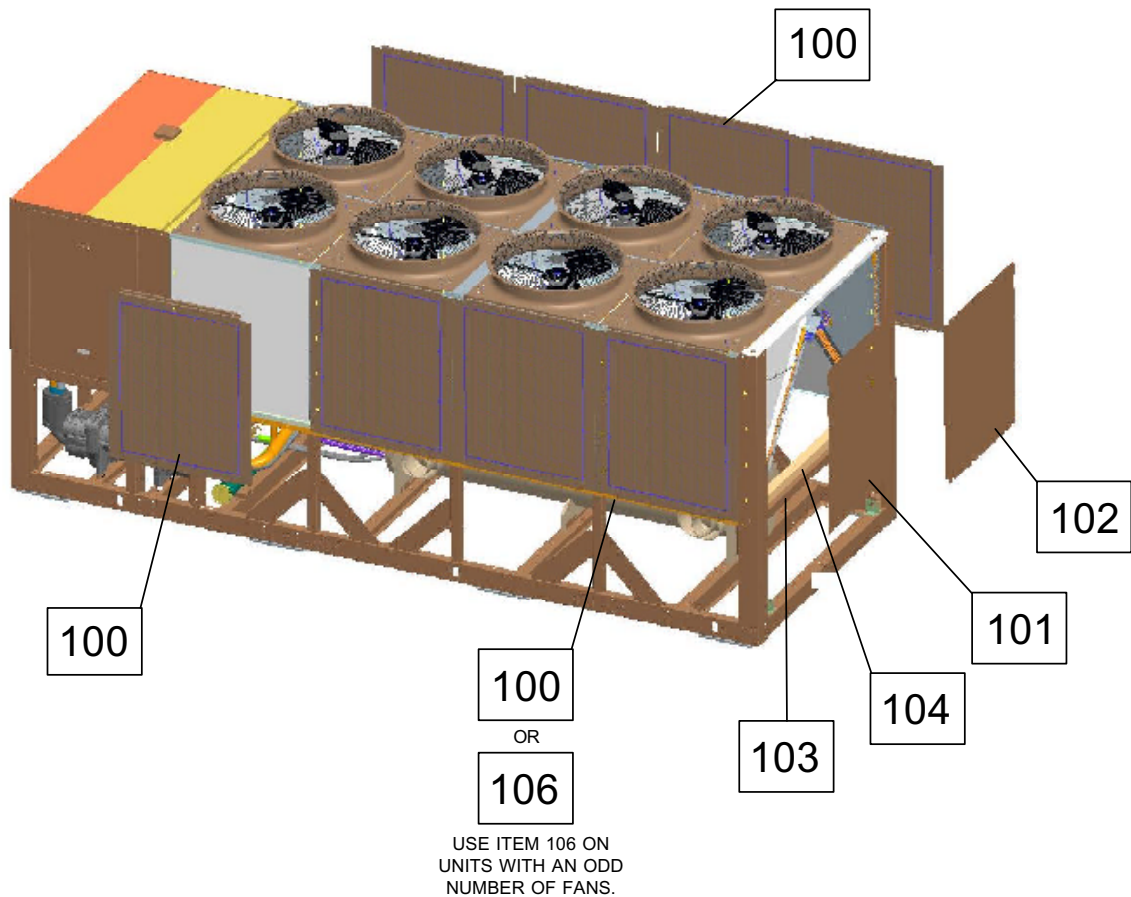


FIG. 16 – LOUVERED ENCLOSURE (TOP SECTIONS) - 375-68137-080 SHOWN (REF. TABLE 21)

TABLE 21 – LOUVERED ENCLOSURE (TOP SECTIONS) - (SEE FIG. 16)

LOUVERED ENCLOSURE TOP SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	LOUVER PANEL	075-56976-000	8**
101	REAR PANEL - LH	075-57085-000	1
102	REAR PANEL - RH	075-57086-000	1
103	CHANNEL	075-57082-000	1
104	REAR SUPPORT	075-57133-000	1
106	LOUVERED PANEL - SIDE	075-66961-000	1

** Refer to page 49, Quantity for 375-68137-090 = 9

** Refer to page 49, Quantity for 375-68137-100 = 10

** Refer to page 49, Quantity for 375-68137-110 = 11

** Refer to page 49, Quantity for 375-68137-120 = 12

ENCLOSURE KIT OPTIONS (CONT'D)

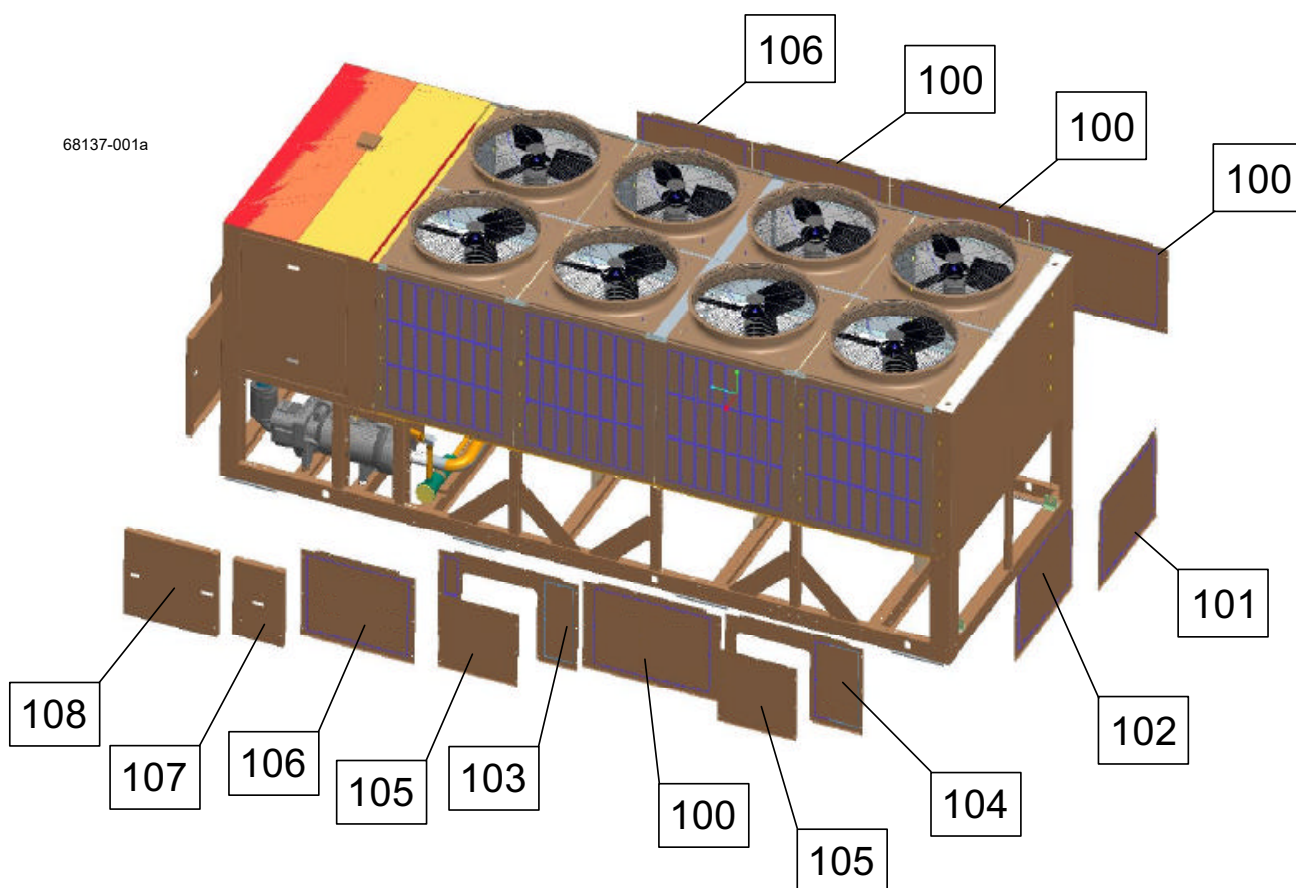


FIG. 17 – LOUVERED ENCLOSURE (BOTTOM SECTIONS)
375-68137-081 SHOWN (REF. TABLE 22)

TABLE 22 – LOUVERED ENCLOSURE (BOTTOM SECTIONS)
(SEE FIGS. 17 and 17A, PAGES 65 AND 66)

LOUVERED ENCLOSURE BOTTOM SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	LOUVER PANEL	075-68132-000	4**
101	LOUVER PANEL	075-68133-000	2
102	SUPPORT	075-68135-000	1
103	LOUVER PANEL	075-68139-000	1
104	LOUVER PANEL	075-68140-000	1
105	COVER PANEL	075-57112-000	2
106	LOUVER PANEL	075-68131-000	2
107	PANEL - SIDE	075-66949-000	2
108	PANEL - SIDE	075-65694-000	2
109	PANEL - FRONT	075-65693-000	1
110	PANEL - FRONT	075-65691-000	1
111	COVER PANEL	075-65692-000	1

** Refer to page 49, Quantity for 375-68137-101 = 6

** Refer to page 49, Quantity for 375-68137-121 = 8

ENCLOSURE KIT OPTIONS (CONT'D)

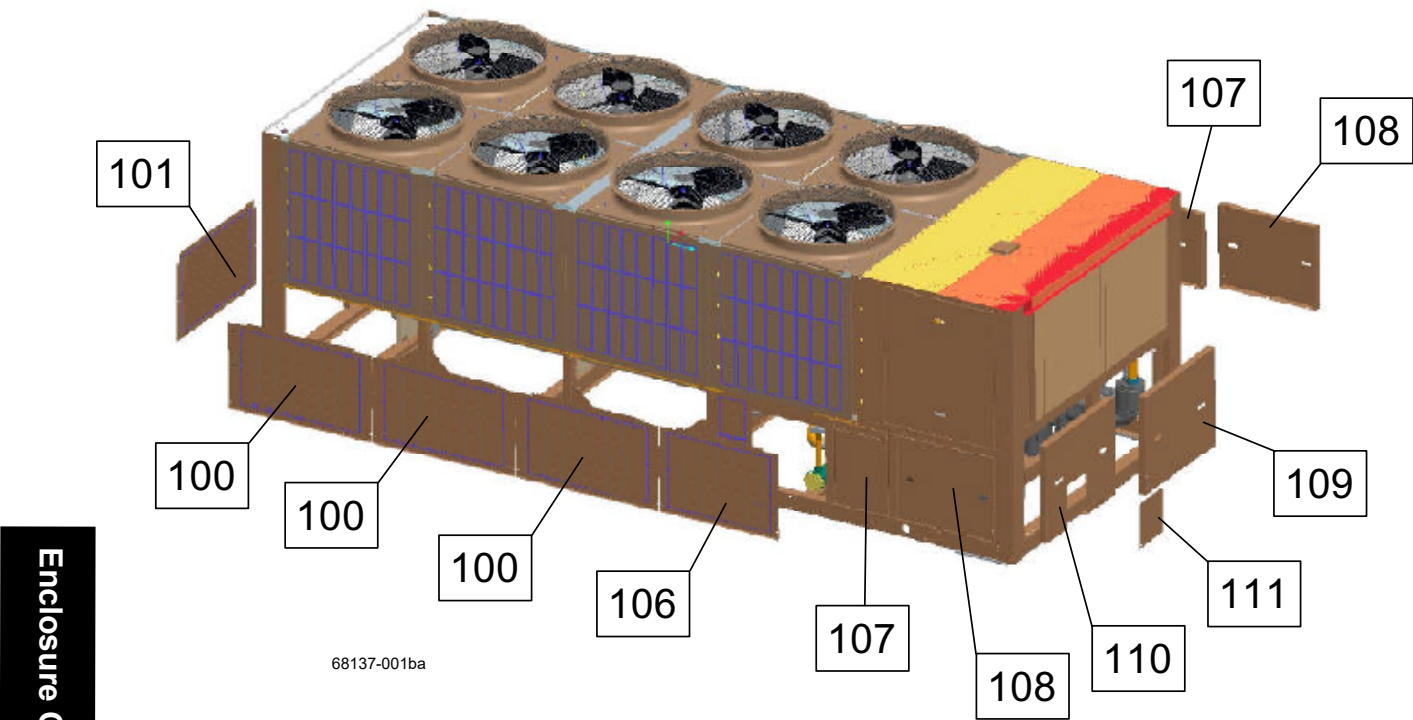


FIG. 17A – LOUVERED ENCLOSURE (BOTTOM SECTIONS)
375-68137-081 SHOWN (REF. TABLE 22, PAGE 65)

RECOMMENDED SPARE PARTS

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

TABLE 23 – RECOMMENDED SPARE PARTS - YCIV0590-YCIV1000 CHILLERS

PAGE REF. & ITEM NUMBER	DESCRIPTION	MODEL NUMBER YCIV	PART NUMBER
Page 12, Item 1	Fan Motor (Ultra Quiet)	-40	024-27322-004
		-46	024-27322-007
		-50	024-27322-005
Page 12, Item 1	Fan Motor (High Static)	-40	024-34980-005
		-46	024-34980-001
		-50	024-34980-003
Page 12, Item 2	Fan Blade (Ultra Quiet)	All	026-41594-000
	Fan Blade (High Static)	All	026-41942-000
Pages 15, 16 and 17, Item 1	Valve, Control (Feed or Drain)	See Table 4	025-41564-000
			025-41565-000
Page 15, 16 and 17, Item 5	Core, Dehydrator	All	026-37540-000
Page 15, 16 and 17, Item 20	Sensor, Refrig Level	All	025-40274-000
Page 19, Item 10	Cap, Radiator	All	023-21927-000
Page 19, Item 13	Coolant PG (5 gallon), non EU compliant	All	013-03344-000
	Coolant PG (5 gallon), EU compliant*		013-03849-001
Page 26, Item OIL	Oil, Compressor (Type 'L')	R-134A	011-00592-000
Page 31, Item 28B	Chiller Control Board	See Table 8	331-03478-6xx
Page 31, Item 72	Controller, Drain/Feed (90° Flow)	See Table 8	031-02510-000
	Controller, Drain/Feed (Straight Flow)		031-02742-000
Page 32-39, Item 190	VSD Logic Board	All	031-02477-000
Page 32-39, Item 190a	VSD Logic Board	All	031-02507-000
Page 56, Item 1	Sensor, Outside Air Temperature	All	025-28663-001
Page 56, Item 2	Sensor, Water Temp. (EWT, LWT)	All	025-40334-000
Page 56, Item 4	Sensor, Discharge Temperature	All	025-32924-000
Page 56, Item 5	Sensor, Suction Temperature	All	025-28935-000
Page 56, Item 6	Sensor, Oil Temperature	All	025-30440-000
Page 56, Item 7 and 8	Transducer, Discharge & Oil Pressure (0-275psi)	All	025-29139-003
Page 56, Item 9	Transducer, Suction Pressure (0-125psi)	All	025-29583-001

Spare Parts

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



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