



AIR-COOLED SCREW LIQUID CHILLERS

RENEWAL PARTS

Supercedes: 201.23-RP3 (315)

Form: 201.23-RP3 (616)

**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

260 - 520 TON
R-134a




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

Issue Date:
June 30, 2016



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:



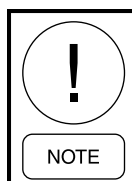
Indicates a possible hazardous situation which will result in death or serious injury if proper care is not taken.



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 and 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 QuickLIT website at <http://cgproducts.johnsoncontrols.com>.

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.

CHANGE BARS

Revisions made to this document are indicated with a line along the left or right hand column in the area the revision was made. These revisions are to technical information and any other changes in spelling, grammar or formatting are not included.

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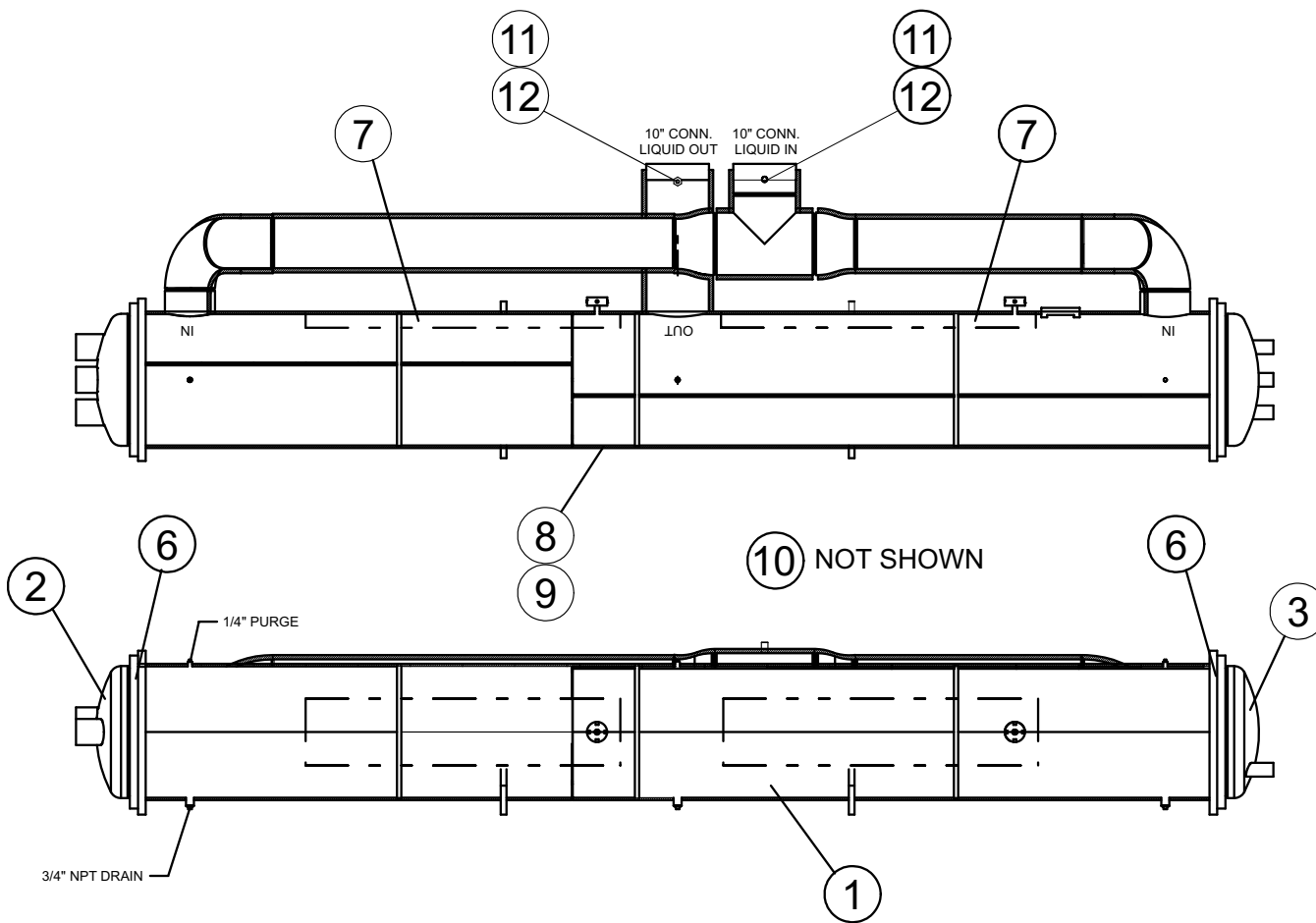
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EVAPORATOR COMPONENTS

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)

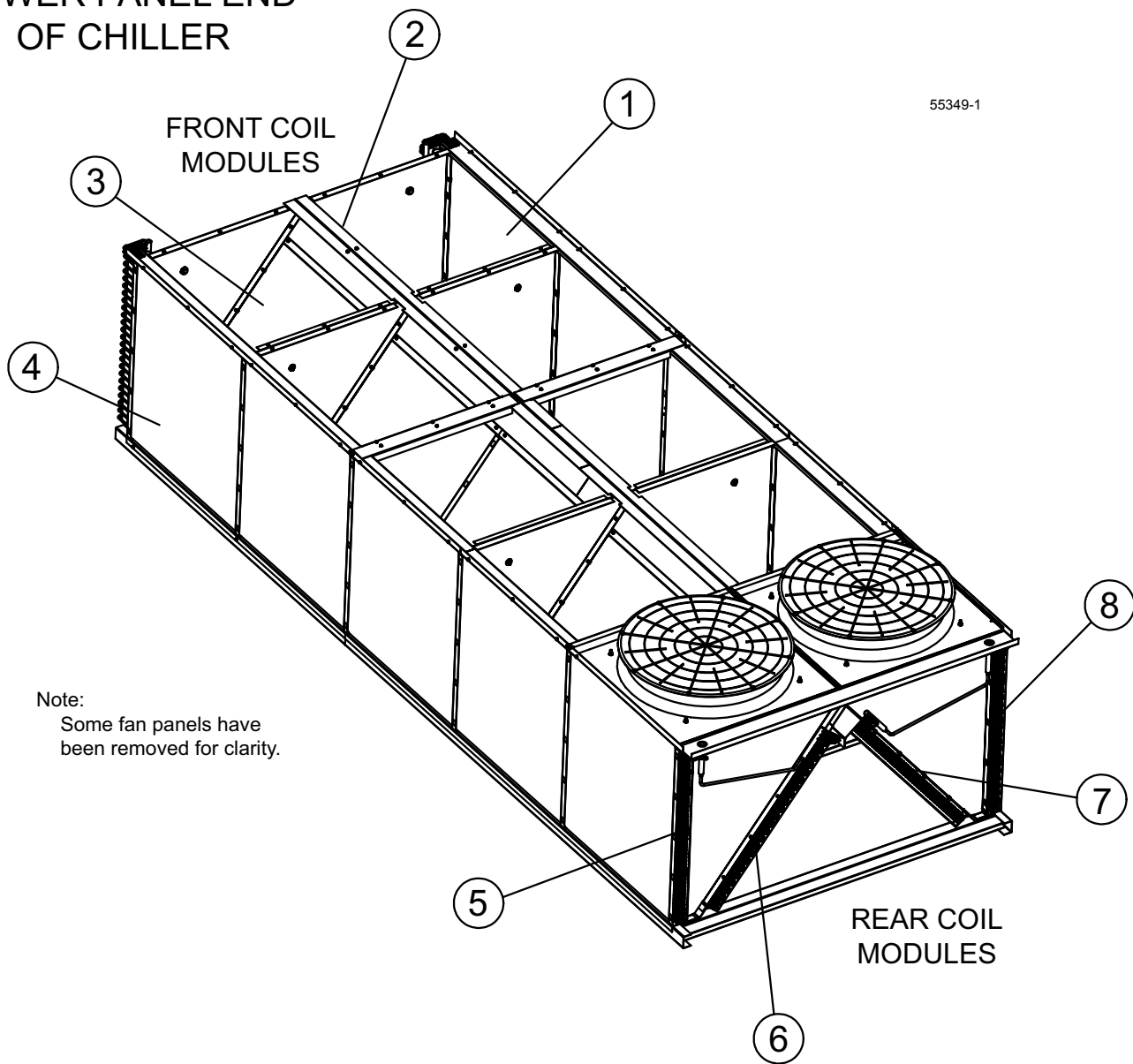
ITEM NUMBER	QTY PER UNIT	DESCRIPTION	DWP	UNIT MODELS YCIV0267 AND YCIV1050	UNIT MODELS YCIV0287, 1070 AND YCIV1120
1	1	Evaporator, Fully Insulated with Heater	ALL	375-70668-001	375-70668-001
	1	Evaporator, less Heater & Insulation	ALL	375-70668-000	375-70668-000
2	1	Head, Connection End	ALL	375-70673-000	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). DO NOT substitute neoprene gaskets for bulb and channel gaskets.

CONDENSER COIL COMPONENTS

POWER PANEL END
OF CHILLER



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
ALUMINUM COILS - 'PIN 45 = X'							
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
COPPER COILS - 'PIN 45 = C'							
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
BLACK FIN COILS - 'PIN 45 = 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.

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
PHENOLIC COILS - 'PIN 45 = P'							
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
EPOXY COILS - 'PIN 45 = E'							
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
ALUMINUM FIN COILS - 'PIN 45 = X'							
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
COPPER COILS - 'PIN 45 = C'							
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
BLACK FIN COILS - 'PIN 45 = 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.

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 YCIV0267 AND YCIV0969	MODELS YCIV0287 AND YCIV1039	MODELS YCIV0327 AND YCIV1169	MODELS YCIV0357 AND YCIV1309
PHENOLIC COILS - 'PIN 45 = P'							
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
EPOXY COILS - 'PIN 45 = E'							
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

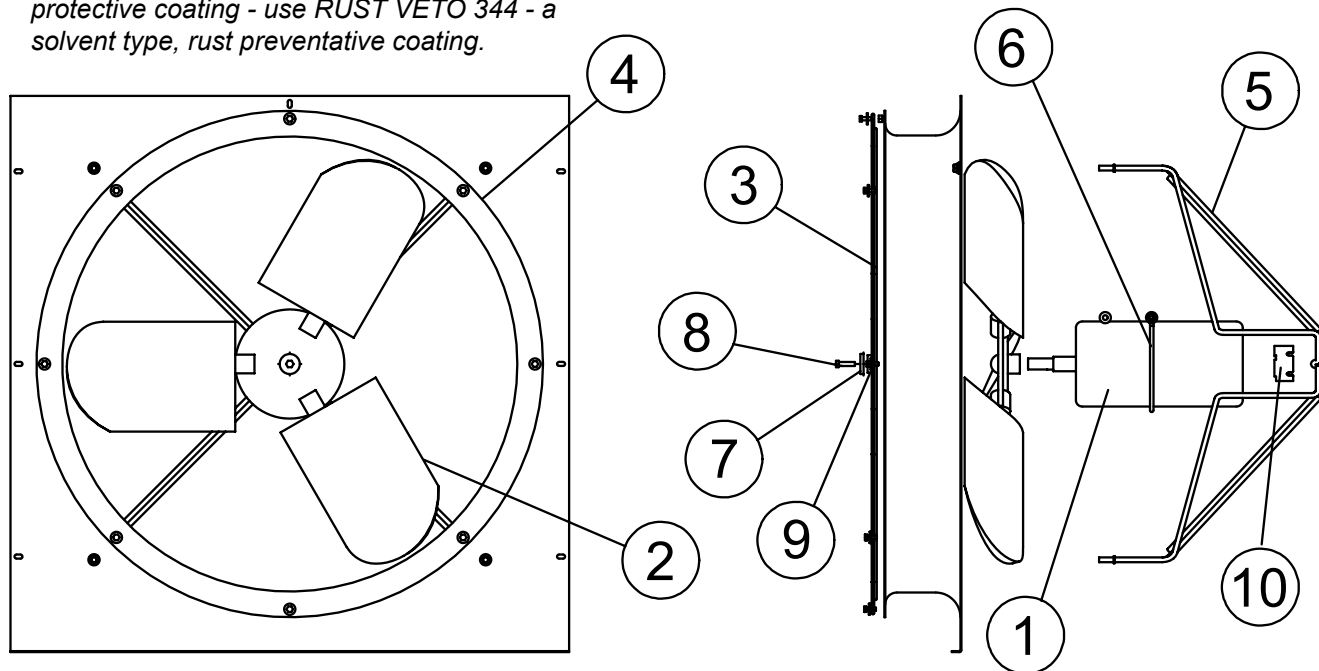
***Note:** Coil Assembly includes coil and headers.

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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.



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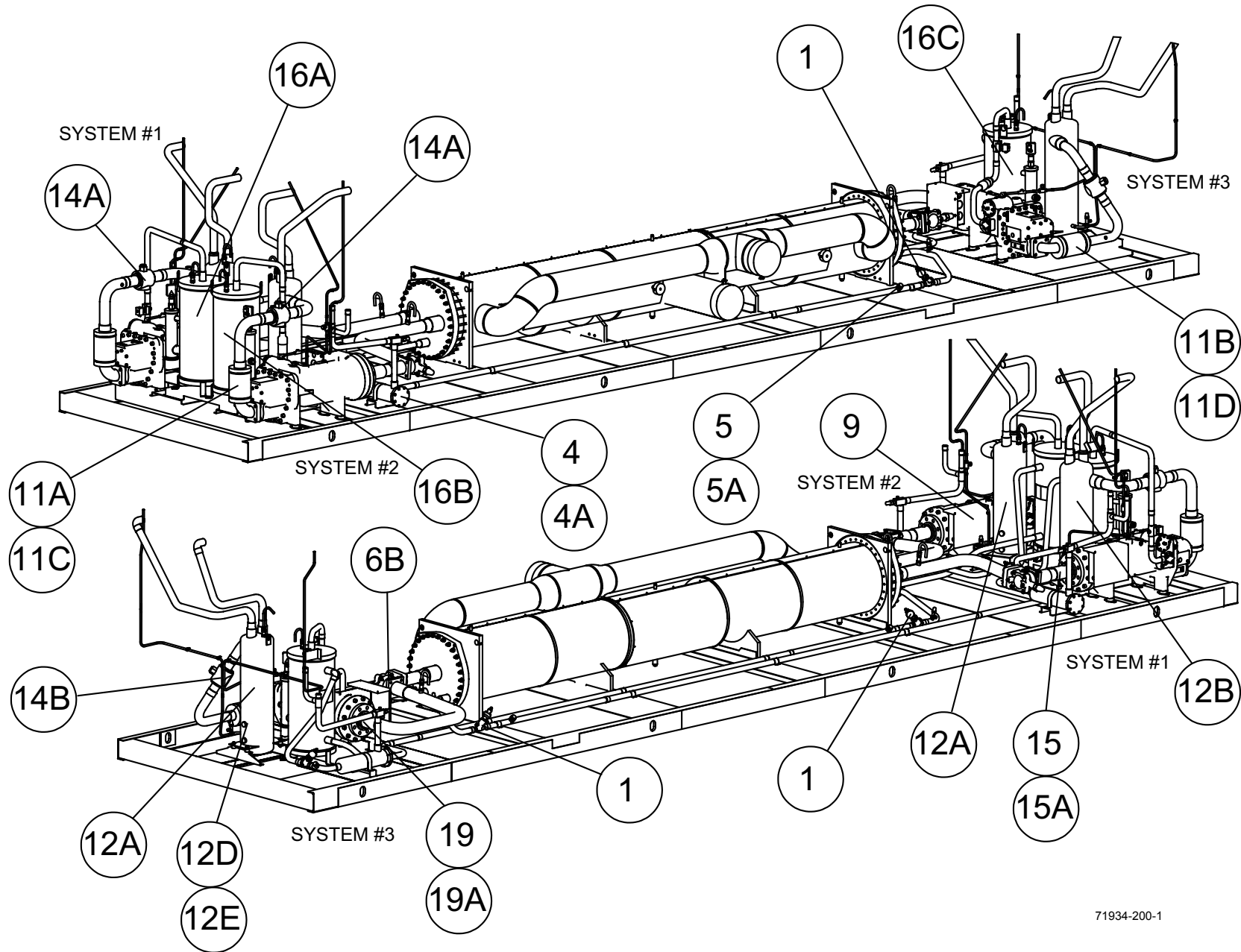
FIG. 3 – FAN COMPONENTS

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 ^s	Motor, Fan (2 HP) (YCIV0267-YCIV0397) (YCIV1050-YCIV1500)	-40	024-27322-104	024-34980-005
		-46	024-27322-207	024-34980-001
		-50		024-34980-003
2 ^s	Blade	-40 & -46	026-41594-000	026-41942-000
		-50	026-41943-000	026-45549-000
3	Guard	-40 & -46	026-46008-000	
		-50	026-46008-001	
4	Orifice	All	026-45789-000	
5	Support	All	026-41938-000	026-45533-000
6	Support Ring	All	026-36367-000	
7	Spacer (.375 I.D.)	All	075-29007-000	
8	Screw, Cap (M8x125)	All	021-18494-000	
9	Spacer (1.406 I.D.)	All	075-40484-000	
10	Hub, Square	60Hz	026-41939-005 (1.125")	026-41939-005 (1.125")
		50Hz		

^s = Recommended Spare Parts

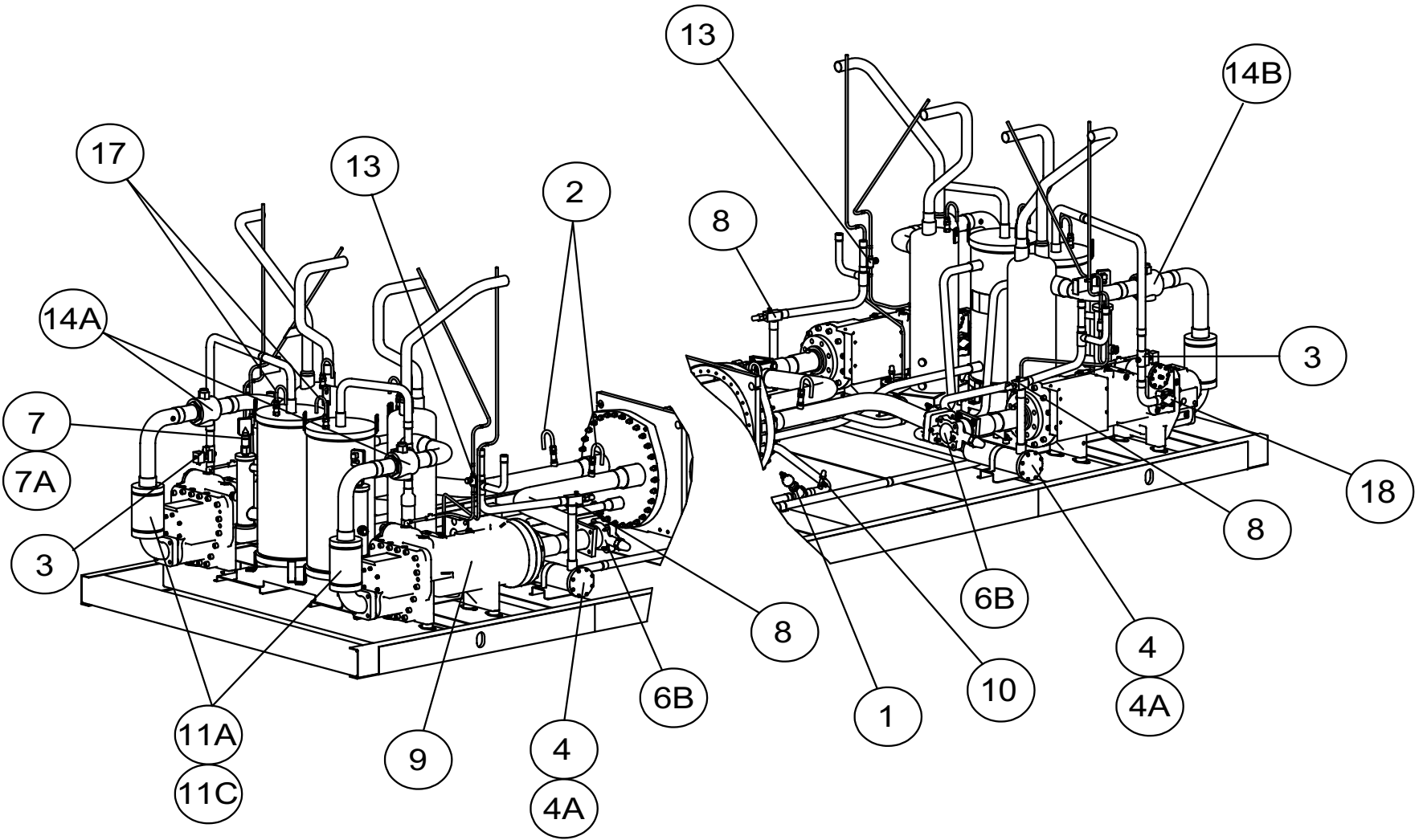


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REFRIGERANT PIPING COMPONENTS
3 COMPRESSOR YCIV CHILLER MODELS

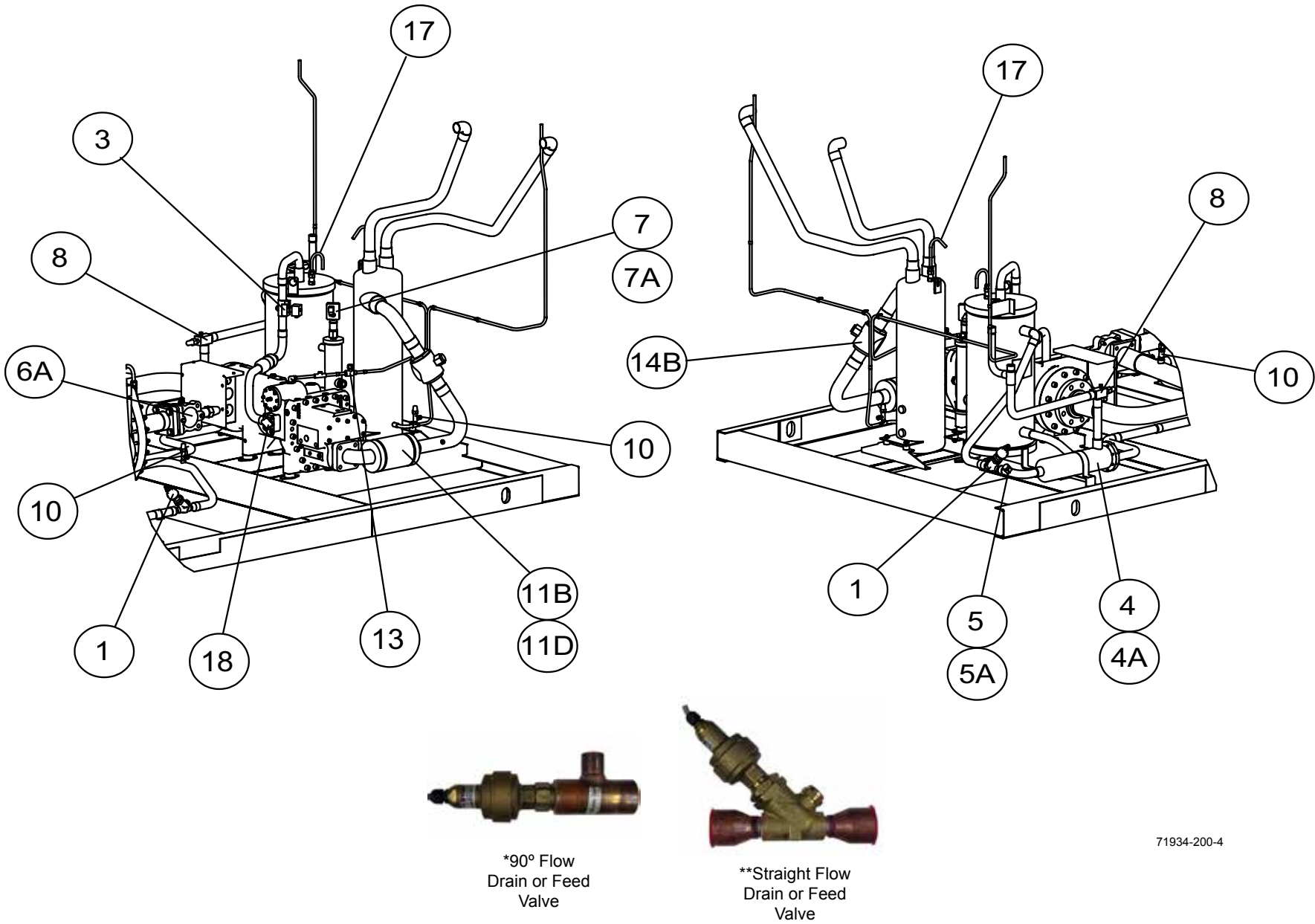
FIG. 4 – REFRIGERANT PIPING COMPONENTS (REF. TABLE 4, PAGES 18, 19, 20 AND 21)

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
1 ^S	6	Valve, Drain or Feed - 90° Flow*	025-41564-000	025-41564-000
	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
2	3	Valve, Relief	022-11312-000	022-11312-000
3	3	Valve, Solenoid	025-40330-000	025-40330-000
4	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
4A ^S	9	Core, Dehydrator	026-37540-000	026-37540-000
5	6	Moisture Indicator, Body	026-32399-000	026-32399-000
5A	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
6A	2	Valve, Stop	022-02845-001	022-02845-001
6B	1			
7s	3	Sensor, Refrig Level	025-43503-000	025-43503-000
7A	3	Head, Electronic	025-44012-000	025-44012-000
8	3	Valve, Liquid Stop	022-09779-000	022-09779-000
9	3	Compressor	See pages 25 and 26	
10	6	Valve, Charging	022-09754-000	022-09754-000
11A	2	Muffler	375-53202-000	375-53202-000
11B	1		375-55738-000	
11C	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
11D	1	Gasket (Use with 11B)	028-15296-001	
12A	2	Oil Separator (Left)	026-42901-100	
12B	1	Oil Separator (Right)	026-42901-200	
12D	3	Sight Glass, Oil Separator (All)	026-43375-000	
12E	3	O-Ring, Sight Glass	028-15574-000	
13	3	Valve, Ball (Oil Line)	022-09172-000	022-09172-000
14A	2	Ball Valve, Discharge (System 1)	022-11325-000	022-11325-000
14B	1	Ball Valve, Discharge (System 2)	022-11326-000	022-11325-000
15	3	Flange	375-55970-000	375-55970-000
15A	3	Gasket, Flange	028-15075-159	028-15075-159
16A	1	Flash Tank	375-82921-000	375-82921-000
16B	1		375-82922-000	375-82922-000
16C	1		375-82924-000	375-82924-000
17	6	Valve, Relief	022-11398-000	022-11398-000
18	3	Valve, Angle	022-11358-000	022-11358-000
19	3	Flange	075-49922-000	375-56088-000
19A	3	Gasket, Flange	028-13974-000	028-13974-000

^S = Recommended Spare Parts

**Note: See page 17 for Drain and Feed Valve identification.

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
1 ^S	6	Valve, Drain or Feed - 90° Flow*	025-41564-000	025-41564-000
	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
2	3	Valve, Relief	022-11312-000	022-11312-000
3	3	Valve, Solenoid	025-40330-000	025-40330-000
4	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
4A ^S	9	Core, Dehydrator	026-37540-000	026-37540-000
5	6	Moisture Indicator, Body	026-32399-000	026-32399-000
5A	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
6A	2	Valve, Stop	022-02845-001	022-11340-001
6B	1		022-11340-001	
7s	3	Sensor, Refrig Level	025-43503-000	025-43503-000
7A	3	Head, Electronic	025-44012-000	025-44012-000
8	3	Valve, Liquid Stop	022-09779-000	022-09779-000
9	3	Compressor	See pages 25 and 26	
10	6	Valve, Charging	022-09754-000	022-09754-000
11A	2	Muffler	375-53202-000	375-53202-000
11B	1			
11C	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
11D	1	Gasket (Use with 11B)		
12A	2	Oil Separator (Left)	026-42901-100	
12B	1	Oil Separator (Right)	026-42901-200	
12D	3	Sight Glass, Oil Separator (All)	026-43375-000	
12E	3	O-Ring, Sight Glass	028-15574-000	
13	3	Valve, Ball (Oil Line)	022-09172-000	022-09172-000
14A	2	Ball Valve, Discharge (System 1)	022-11325-000	022-11325-000
14B	1	Ball Valve, Discharge (System 2)	022-11325-000	022-11325-000
15	3	Flange	375-55970-000	375-54668-000
15A	3	Gasket, Flange	028-15075-159	028-15075-159
16A	1	Flash Tank	375-82921-000	375-82921-000
16B	1		375-82922-000	375-82922-000
16C	1		375-82924-000	375-82924-000
17	6	Valve, Relief	022-11398-000	022-11398-000
18	3	Valve, Angle	022-11358-000	022-11358-000
19	3	Flange	375-56088-000	375-56086-000
19A	3	Gasket, Flange	028-13974-000	028-15304-000

^S = Recommended Spare Parts

****Note:** See page 17 for Drain and Feed Valve identification.

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
1 ^S	6	Valve, Drain or Feed - 90° Flow*	025-41564-000	025-41564-000
	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
2	3	Valve, Relief	022-11312-000	022-11312-000
3	3	Valve, Solenoid	025-40330-000	025-40330-000
4	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
4A ^S	9	Core, Dehydrator	026-37540-000	026-37540-000
5	6	Moisture Indicator, Body	026-32399-000	026-32399-000
5A	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
6A	2	Valve, Stop	022-02845-001	022-02845-000
6B	1			
7 ^s	3	Sensor, Refrig Level	025-43503-000	025-43503-000
7A	3	Head, Electronic	025-44012-000	025-44012-000
8	3	Valve, Liquid Stop	022-09779-000	022-09779-000
9	3	Compressor	See pages 25 and 26	
10	6	Valve, Charging	022-09754-000	022-09754-000
11A	2	Muffler	375-53202-000	375-53202-000
11B	1		375-55738-000	
11C	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
11D	1	Gasket (Use with 11B)	028-15296-001	
12A	2	Oil Separator (Left)	026-42901-100	
12B	1	Oil Separator (Right)	026-42901-200	
12D	3	Sight Glass, Oil Separator (All)	026-43375-000	
12E	3	O-Ring, Sight Glass	028-15574-000	
13	3	Valve, Ball (Oil Line)	022-09172-000	022-09172-000
14A	2	Ball Valve, Discharge (System 1)	022-11325-000	022-11325-000
14B	1	Ball Valve, Discharge (System 2)	022-11326-000	022-11325-000
15	3	Flange	375-55970-000	375-55970-000
15A	3	Gasket, Flange	028-15075-159	028-15075-159
16A	1	Flash Tank	375-82921-000	375-82921-000
16B	1		375-82922-000	375-82922-000
16C	1		375-82924-000	375-82924-000
17	6	Valve, Relief	022-11398-000	022-11398-000
18	3	Valve, Angle	022-11358-000	022-11358-000
19	3	Flange	375-49922-000	375-56088-000
19A	3	Gasket, Flange	028-13974-000	028-13974-000

^S = Recommended Spare Parts

****Note:** See page 17 for Drain and Feed Valve identification.

REFRIGERANT PIPING COMPONENTS (CONT'D)

3 COMPRESSOR YCIV CHILLER MODELS

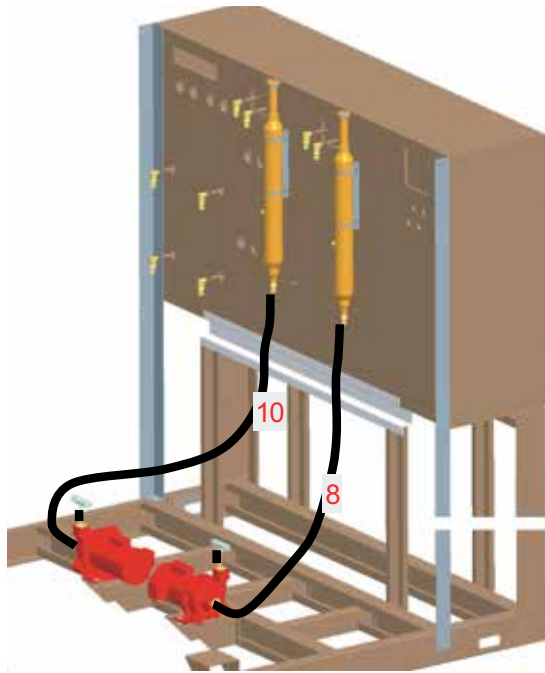
TABLE 4 – REFRIGERANT PIPING COMPONENTS - 3 COMPRESSOR MODELS
PIN #9 = E OR V (SEE FIGS. 4, 4A AND 4B, PAGES 15, 16 AND 17)

ITEM NO.	QTY PER UNIT	DESCRIPTION	YCIV0327 AND YCIV1220	YCIV0357 AND YCIV1380
1 ^S	6	Valve, Drain or Feed - 90° Flow*	025-41564-000	025-41564-000
	6	Valve, Drain or Feed - Straight Flow**	025-41565-000	025-41565-000
2	3	Valve, Relief	022-11312-000	022-11312-000
3	3	Valve, Solenoid	025-40330-000	025-40330-000
4	3	Dehydrator, Body (Replacable Core)	026-16960-000	026-16960-000
4A ^S	9	Core, Dehydrator	026-37540-000	026-37540-000
5	6	Moisture Indicator, Body	026-32399-000	026-32399-000
5A	6	Moisture Indicator, Sight Glass Cap	026-32800-000	026-32800-000
6A	2	Valve, Stop	N/A	022-11340-001
6B	1			022-02845-001
7s	3	Sensor, Refrig Level	025-43503-000	025-43503-000
7A	3	Head, Electronic	025-44012-000	025-44012-000
8	3	Valve, Liquid Stop	022-09779-000	022-09779-000
9	3	Compressor	See pages 25 and 26	
10	6	Valve, Charging	022-09754-000	022-09754-000
11A	2	Muffler	375-53202-000	375-53202-000
11B	1			
11C	2	Gasket (Use with 11A)	028-15296-000	028-15296-000
11D	1	Gasket (Use with 11B)		
12A	2	Oil Separator (Left)	026-42901-100	
12B	1	Oil Separator (Right)	026-42901-200	
12D	3	Sight Glass, Oil Separator (All)	026-43375-000	
12E	3	O-Ring, Sight Glass	028-15574-000	
13	3	Valve, Ball (Oil Line)	022-09172-000	
14A	2	Ball Valve, Discharge (System 1)	022-11325-000	022-11325-000
14B	1	Ball Valve, Discharge (System 2)	022-11325-000	022-11325-000
15	3	Flange	375-55970-000	375-54668-000
15A	3	Gasket, Flange	028-15075-159	028-15075-159
16A	1	Flash Tank	375-82921-000	375-82921-000
16B	1		375-82922-000	375-82922-000
16C	1		375-82924-000	375-82924-000
17	6	Valve, Relief	022-11398-000	022-11398-000
18	3	Valve, Angle	022-11358-000	022-11358-000
19	2	Flange	375-56088-000	375-56086-000
	1			375-56088-000
19A	2	Gasket, Flange	028-13974-000	028-13974-000
	1			028-15304-000

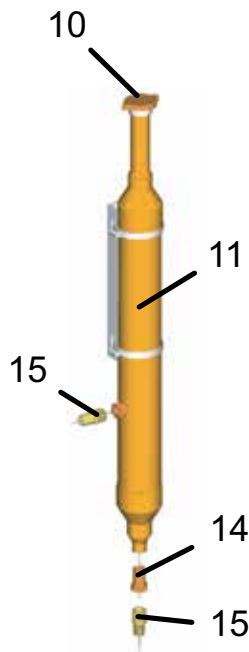
^S = Recommended Spare Parts

****Note:** See page 17 for Drain and Feed Valve identification.

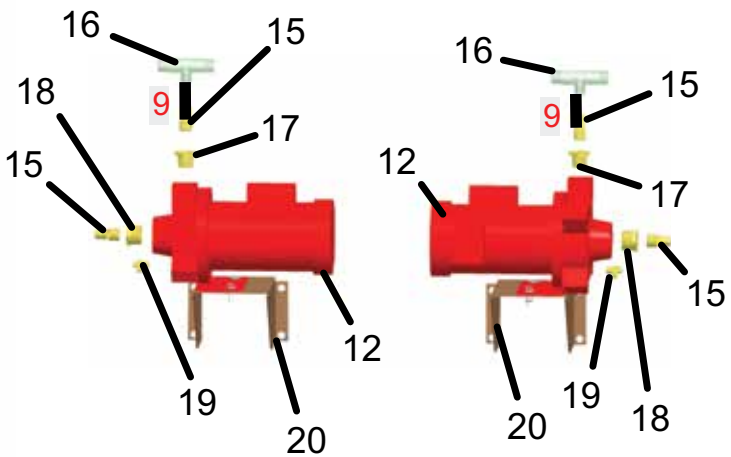
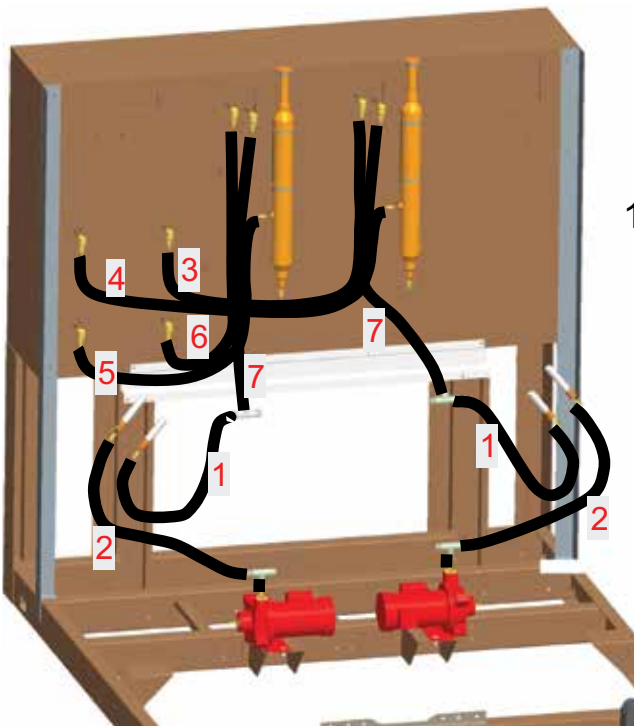
GLYCOL LOOP COMPONENTS CHILLER MODEL YCIV



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
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, PROPYLENE GLYCOL	013-03344-000
14	1	REDUCER	023-21941-000
15	4	FITTING, HOSE BARB	023-21929-000
16	2	TEE	023-22526-000
17	1	BUSHING	023-21934-000
18	1	BUSHING	023-21935-000
19	1	VALVE, DRAIN	023-21874-000
20	2	BRACKET, PUMP	075-61442-000

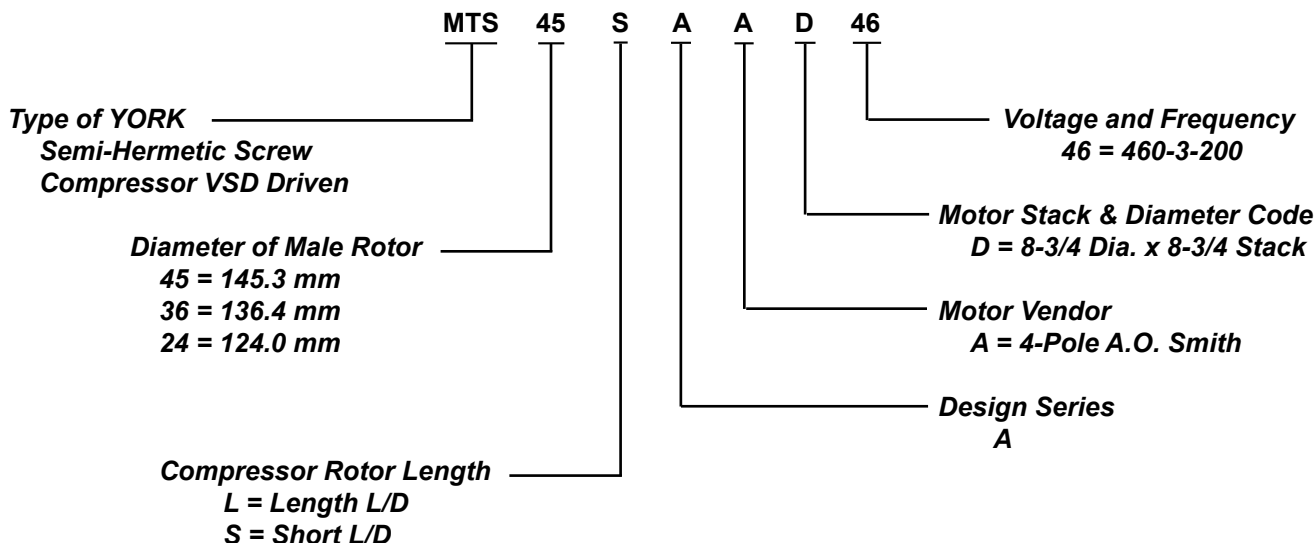
^S = Recommended Spare Parts

† 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 ^s	R-134A	Oil, Type 'L' (Synthetic)	011-00592-000
FILTER ^s		Filter, Oil	026-35601-000
O-RING ^s		O-ring, Filter Cover	028-13849-000

^s = 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	PART #	MODEL #	MM	PART #	MODEL #	MM	QTY
YCIV0287 YCIV1070	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	364-50820-100	MTS24SB	124	1
YCIV0307 YCIV1180	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	1
YCIV0357 YCIV1340	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	364-50822-100	MTS45SB	145	1
YCIV0397 YCIV1500	364-50822-100	MTS45SB	145	364-50822-100	MTS45SB	145	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	PART #	MODEL #	MM	PART #	MODEL #	MM	QTY
YCIV0267 YCIV1050	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	364-50820-100	MTS24SB	124	1
YCIV0287 YCIV1120	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	1
YCIV0327 YCIV1220	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	364-50821-100	MTS36SB	136	1
YCIV0357 YCIV1380	364-50821-100	MTS36SB	136	364-50822-100	MTS45SB	145	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	PART #	MODEL #	MM	PART #	MODEL #	MM	QTY
YCIV0287	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	364-50820-000	MTS24SA	124	1
YCIV0307	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	1
YCIV0357	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	364-50822-000	MTS45SA	145	1
YCIV0397	364-50822-000	MTS45SA	145	364-50822-000	MTS45SA	145	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	PART #	MODEL #	MM	PART #	MODEL #	MM	QTY
YCIV0267	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	364-50820-000	MTS24SA	124	1
YCIV0287	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	1
YCIV0327	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	364-50821-000	MTS36SA	136	1
YCIV0357	364-50821-000	MTS36SA	136	364-50822-000	MTS45SA	145	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

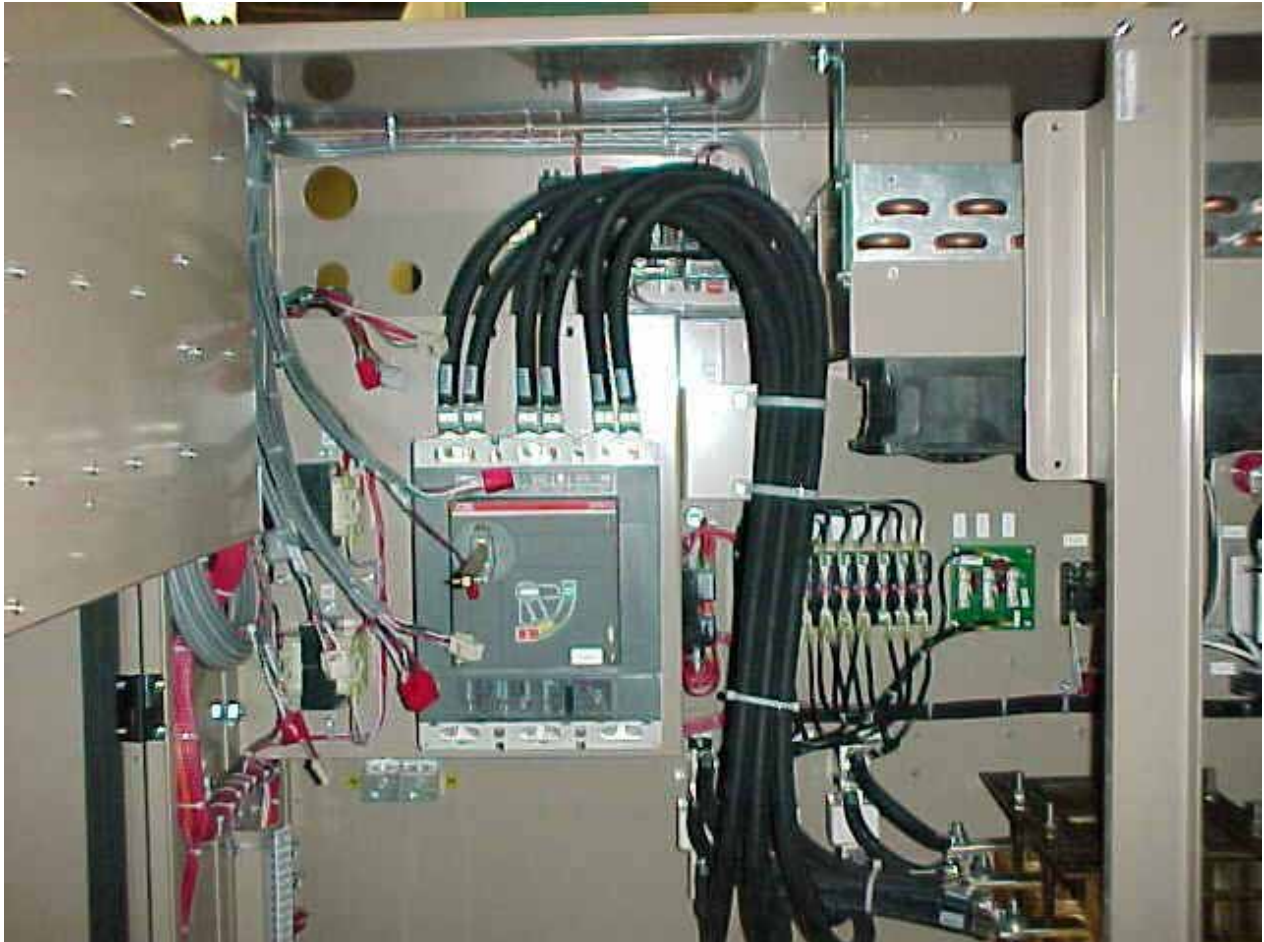
The most basic chiller power wiring configuration uses TERMINAL BLOCKS in the power panels, and an options panel with no power wire termination hardware. See figures on previous page. The model pin number locations 16 and 17 would be X and X to reflect this basic combination. Identify model pin number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



FIG. 5 – CONTROL, OPTIONS AND POWER PANELS LAYOUT

CONTROL AND VSD PANEL CONFIGURATIONS (CONT'D)

**6**

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

FIG. 6 – EXAMPLES OF POWER WIRING CONFIGURATIONS (4-COMPRESSOR UNITS)

VARIABLE SPEED DRIVE PANEL COMPONENTS

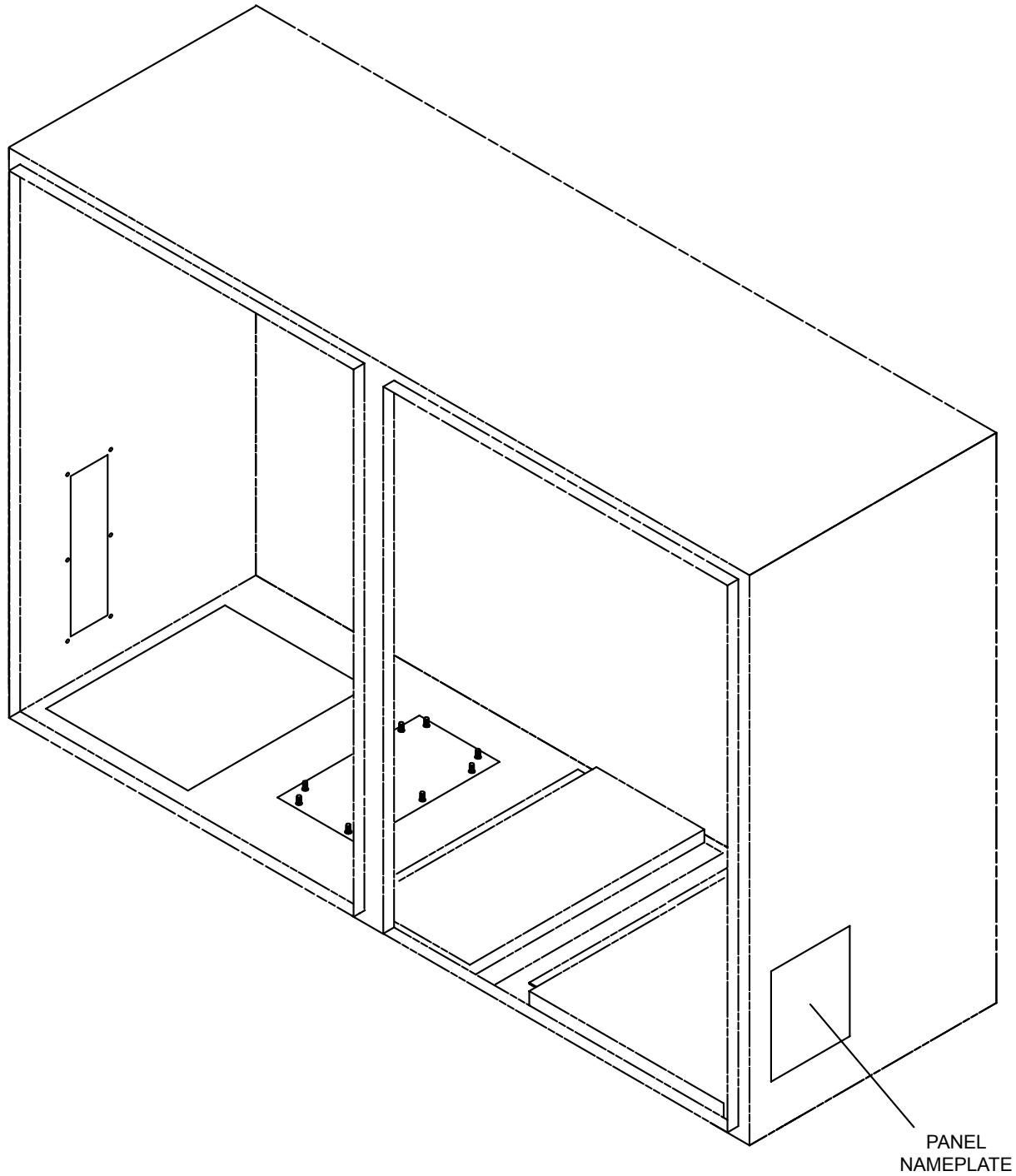


FIG. 7 – VSD / CONTROL PANEL IDENTIFIER LOCATION (3-COMPRESSOR UNITS)

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).

VSD / Control Panel Part Numbers (YCIV0267, 0287, 0307, 0327, 1050, 1070, 1180 and YCIV1220)					
Voltage Code	Qty	Standard or Low Sound Fans			
		Terminal Block or Terminal Block w/ Separate System Non-Fused Disconnect Switches		Circuit Breaker or Circuit Breaker w/ Separate System Non-Fused Disconnect Switches	
		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		371-04179-601	371-04179-609	371-04179-605	371-04179-613
46		371-04179-103	371-04179-111	371-04179-107	371-04179-115
50		371-04179-602	371-04179-610	371-04179-606	371-04179-614
58		N/A	N/A	N/A	N/A

VSD / Control Panel Part Numbers (YCIV0357, 0397, 1340, 1380 and YCIV1500)					
Voltage Code	Qty	Standard or Low Sound Fans			
		Terminal Block or Terminal Block w/ Separate System Non-Fused Disconnect Switches		Circuit Breaker or Circuit Breaker w/ Separate System Non-Fused Disconnect Switches	
		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		371-04179-701	371-04179-709	371-04179-705	371-04179-713
46		371-04179-103	371-04179-111	371-04179-107	371-04179-115
50		371-04179-702	371-04179-710	371-04179-706	371-04179-714
58		N/A	N/A	N/A	N/A

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

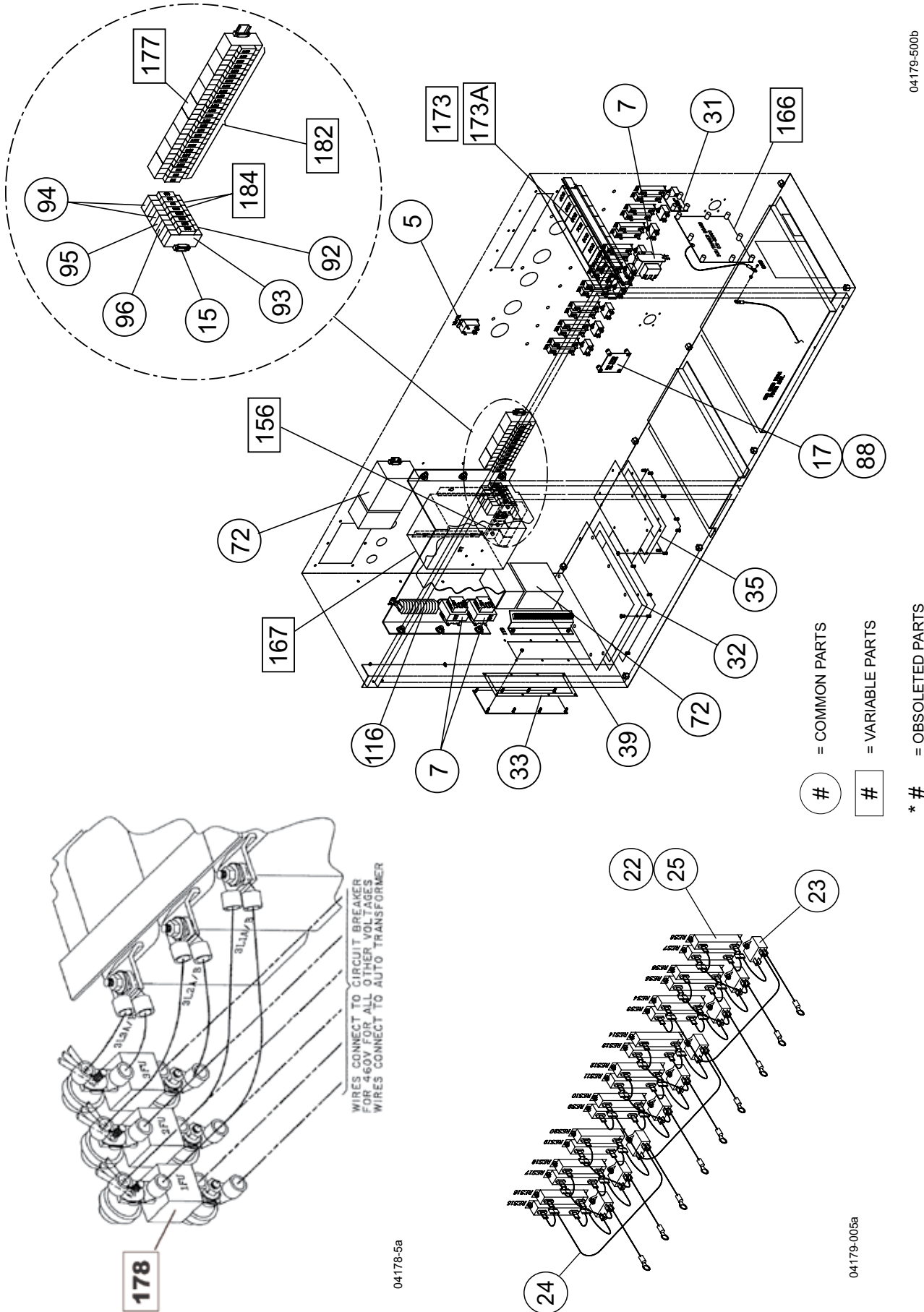


FIG. 7A - VARIABLE SPEED DRIVE COMPONENTS (REF. TABLES 7 AND 7A, PAGES 37 - 43)

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

04180-007a

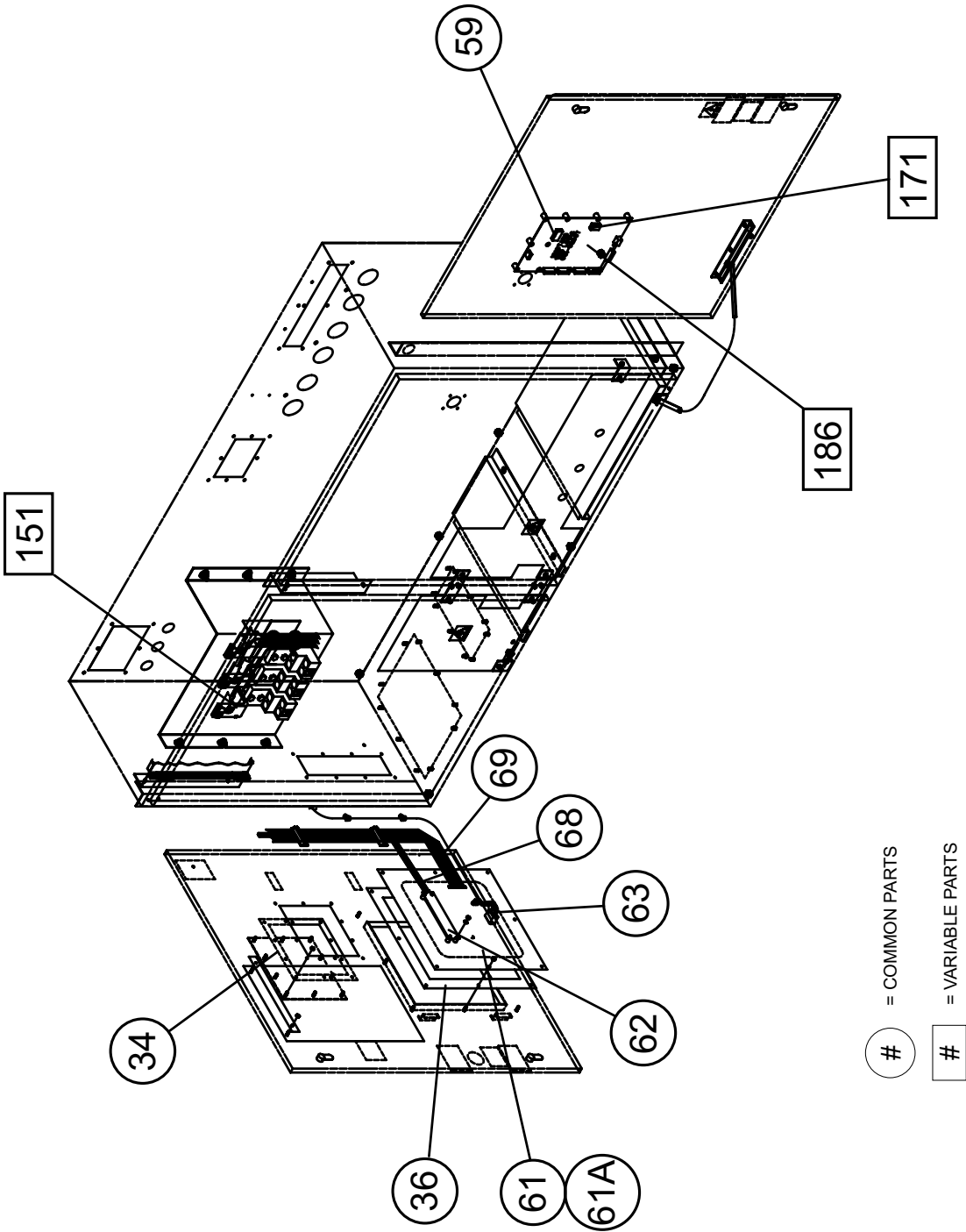


FIG. 7B – VARIABLE SPEED DRIVE COMPONENTS (REF. TABLES 7 AND 7A, PAGES 37 - 43)

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

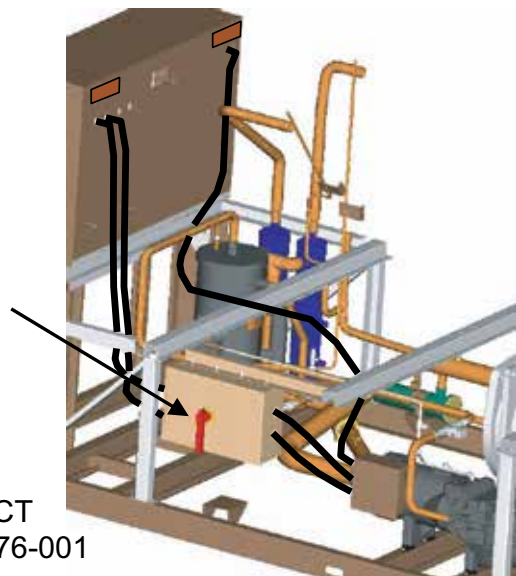
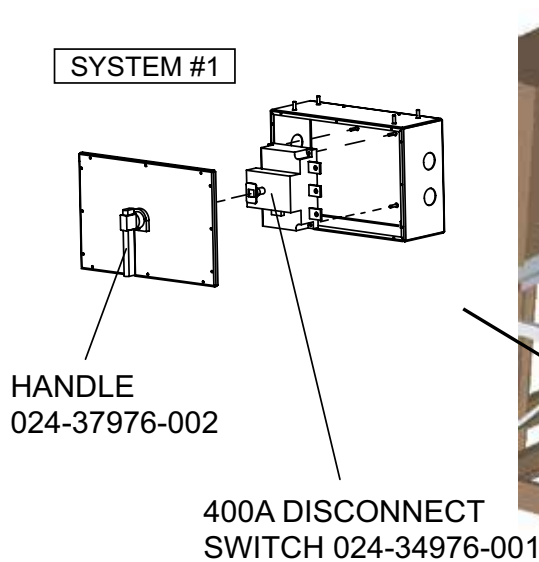
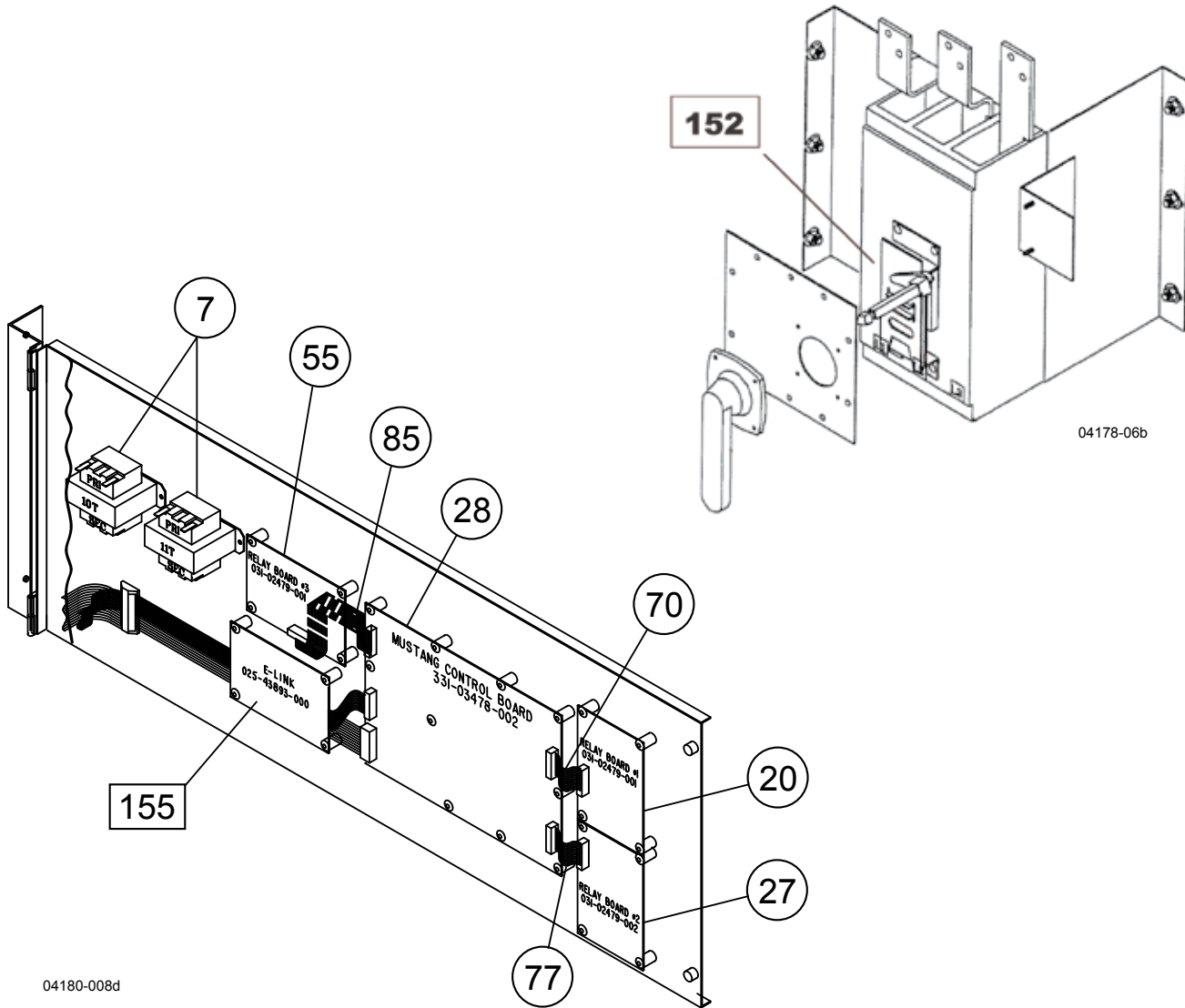
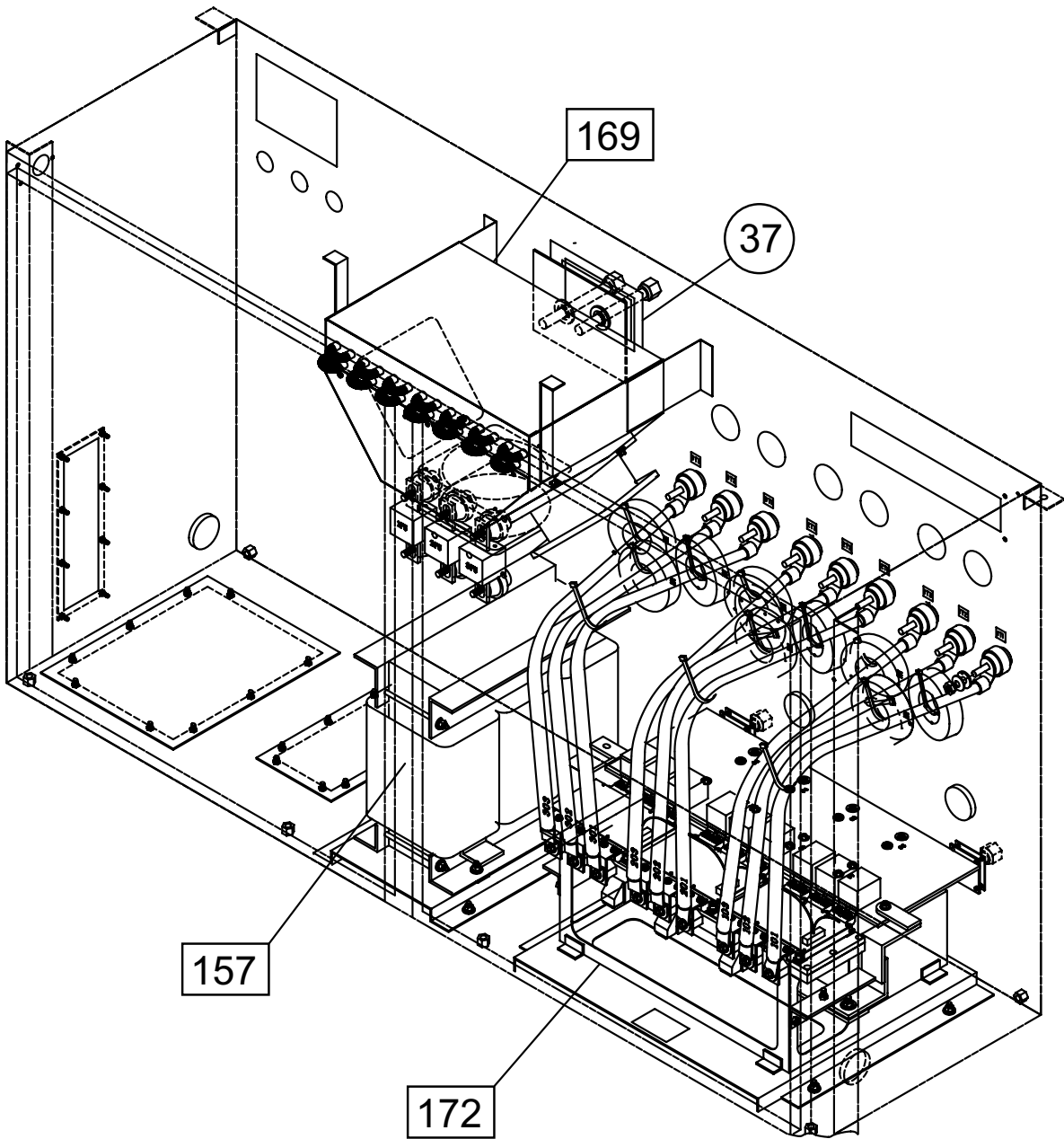


FIG. 7C – VARIABLE SPEED DRIVE COMPONENTS (REF. TABLES 7 AND 7A, PAGES 37-43)

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

04180-006a



6

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

VARIABLE SPEED DRIVE PANEL COMPONENTS (CONT'D)

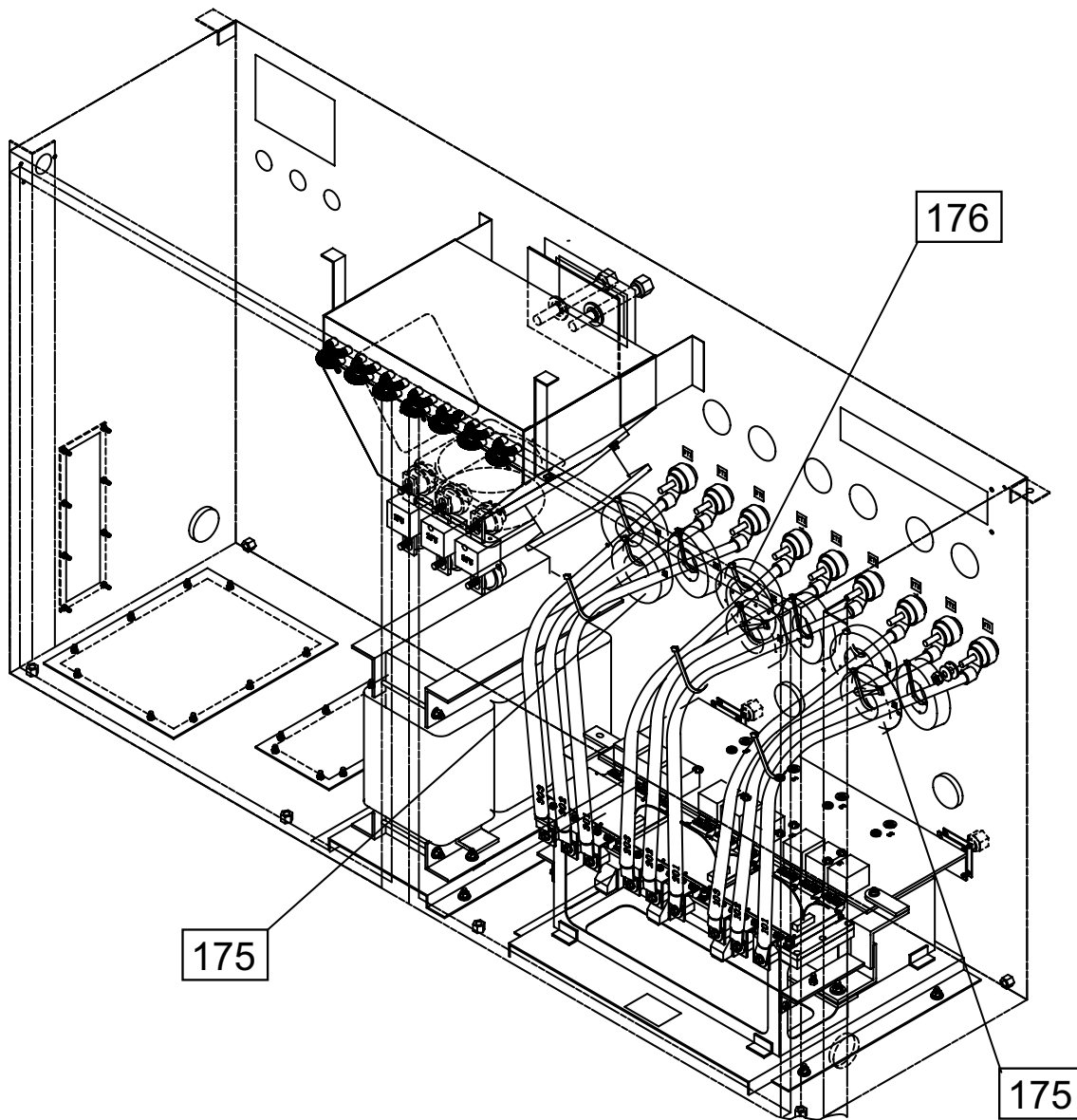


FIG. 7E – VARIABLE SPEED DRIVE COMPONENTS
(REF. TABLES 7 AND 7A, PAGES 37-43)

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 ^S	1	CHILLER CONTROL BOARD Superseded by 331-03478-xxx	331-03478-002
28A ^S	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, 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*

^S = 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	071-04178-268
69	1	CABLE, KEYPAD RIBBON	071-04178-269
70	1	CABLE, RIBBON (RELAY BOARD #1)	071-04178-263
72^S	1	CONTROLLER, DRAIN/FEED (STRAIGHT FLOW)	031-02742-000
77	1	CABLE, RIBBON (RELAY BOARD #2)	071-04178-264
85	1	CABLE, RIBBON (RELAY BOARD #3)	071-04178-265
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

^S = 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	E-Link Gateway Board	-	N/A	-	N/A	1	025-43893-000	1	025-43893-000
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
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: Refer to page #31 to determine Control Panel part number.

** Note: Must order VSD Logic Board Kit (331-02507-604) when replacing Logic Board (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	371-04179-601* -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	E-Link Gateway 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
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: Refer to page #31 to determine Control Panel part number.

** Note: Must order VSD Logic Board Kit (331-02507-604) when replacing Logic Board (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	E-Link Gateway Board	1	025-43893-000	1	025-43893-000	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
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: Refer to page #31 to determine Control Panel part number.

** Note: Must order VSD Logic Board Kit (331-02507-604) when replacing Logic Board (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	371-04179-701* -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	E-Link Gateway 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
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: Refer to page #31 to determine Control Panel part number.

** Note: Must order VSD Logic Board Kit (331-02507-604) when replacing Logic Board (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	E-Link Gateway Board	1	025-43893-000	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 Assy	1	371-04179-512	1	371-04179-514	1	371-04179-512	1	371-04179-514
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: Refer to page #31 to determine Control Panel part number.

** Note: Must order VSD Logic Board Kit (331-02507-604) when replacing Logic Board (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 NUM- BER	YORK PART NUM- BER
			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)

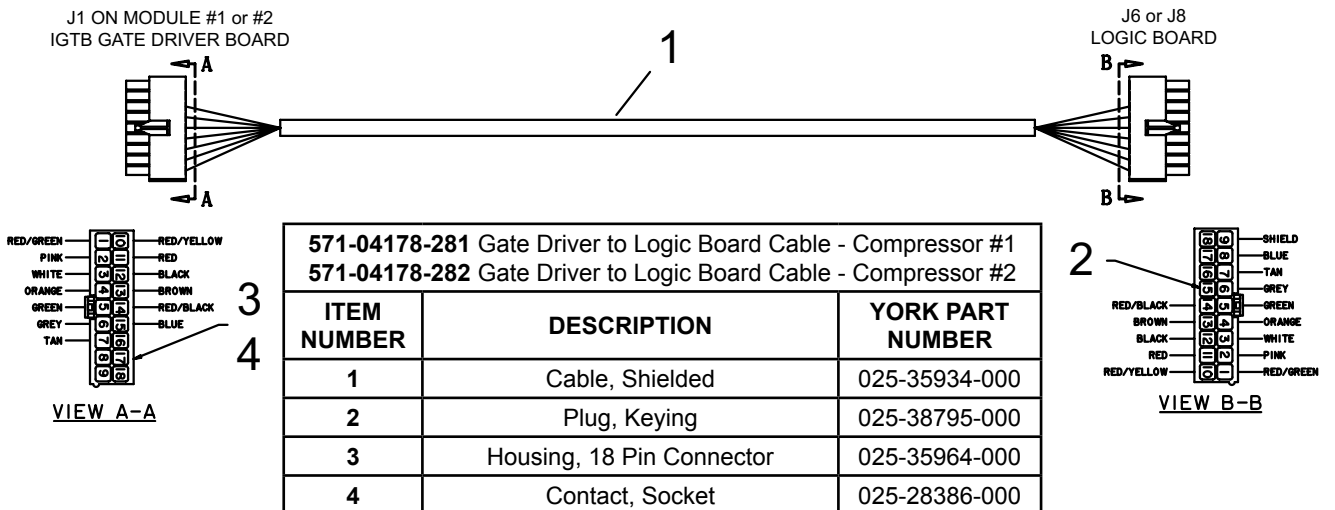
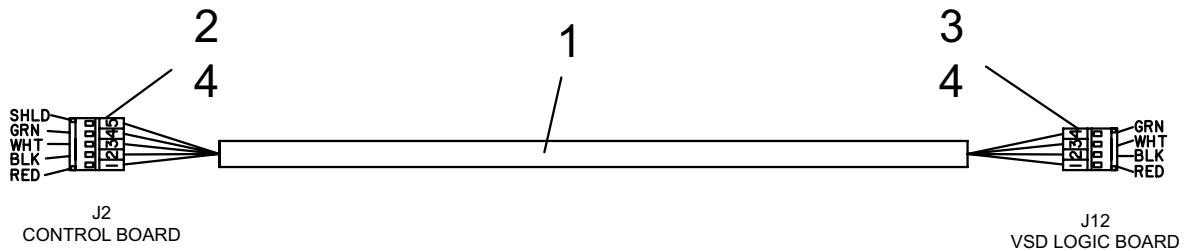
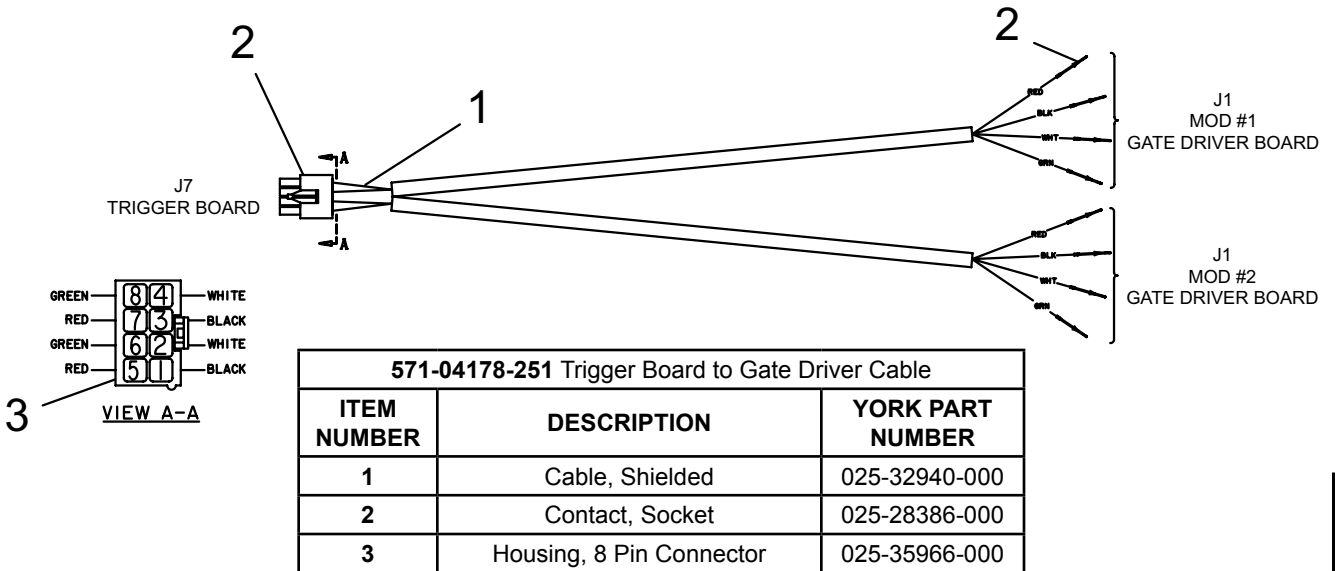


FIG. 8A – CABLE PART NUMBERS

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

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

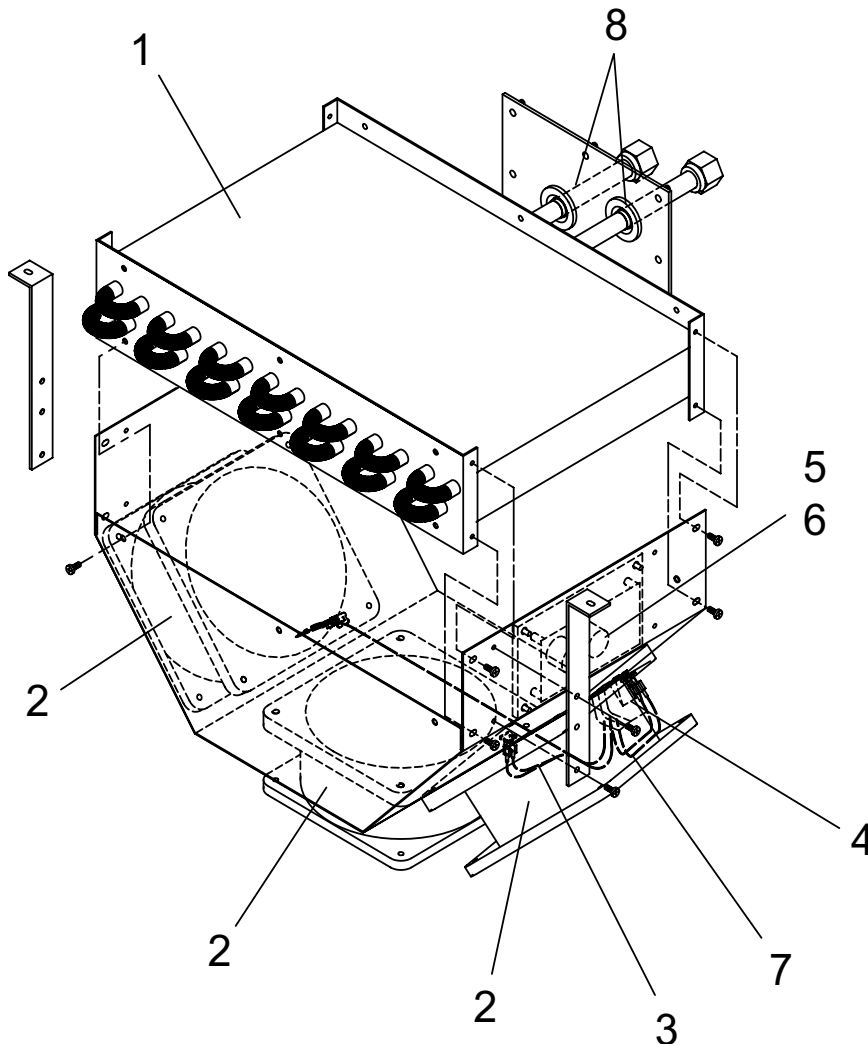
ITEM NUMBER	QUANTITY PER UNIT	DESCRIPTION	YORK PART NUMBER
1	9	CAPACITOR (IGBT SNUBBER)	025-35972-000
2	1	BUSS PLATE KIT	371-04538-001
3	3	IGBT ASSEMBLY KIT*	371-04479-001
4	3	SCR/DIODE MODULE REPLACEMENT KIT	371-04539-001
5	2	RESISTOR	025-35157-000
6	2	THERMAL PAD	028-15299-000
7	8	CAPACITOR (BUSS)	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 3 COMPRESSOR UNITS

**TABLE 10 – VARIABLE SPEED DRIVE FAN ASSEMBLY
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

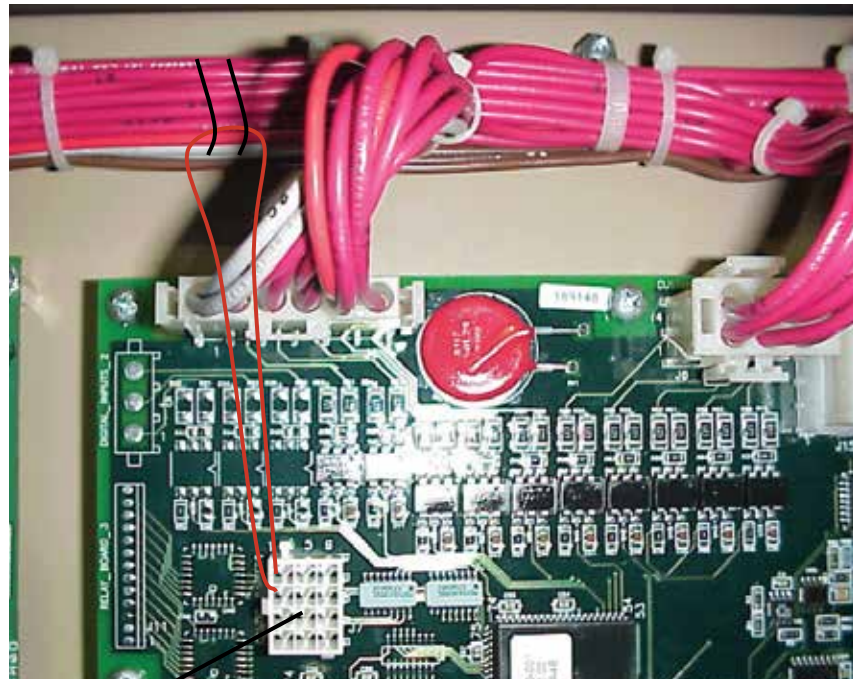


04179-500c

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

PLUG / JUMPER ARRANGEMENT

04484-0aa




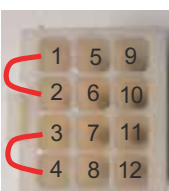
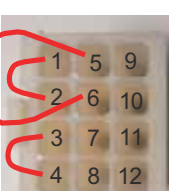
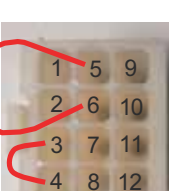
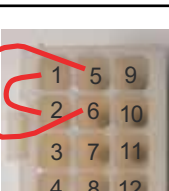


CONTROL BOARD J7

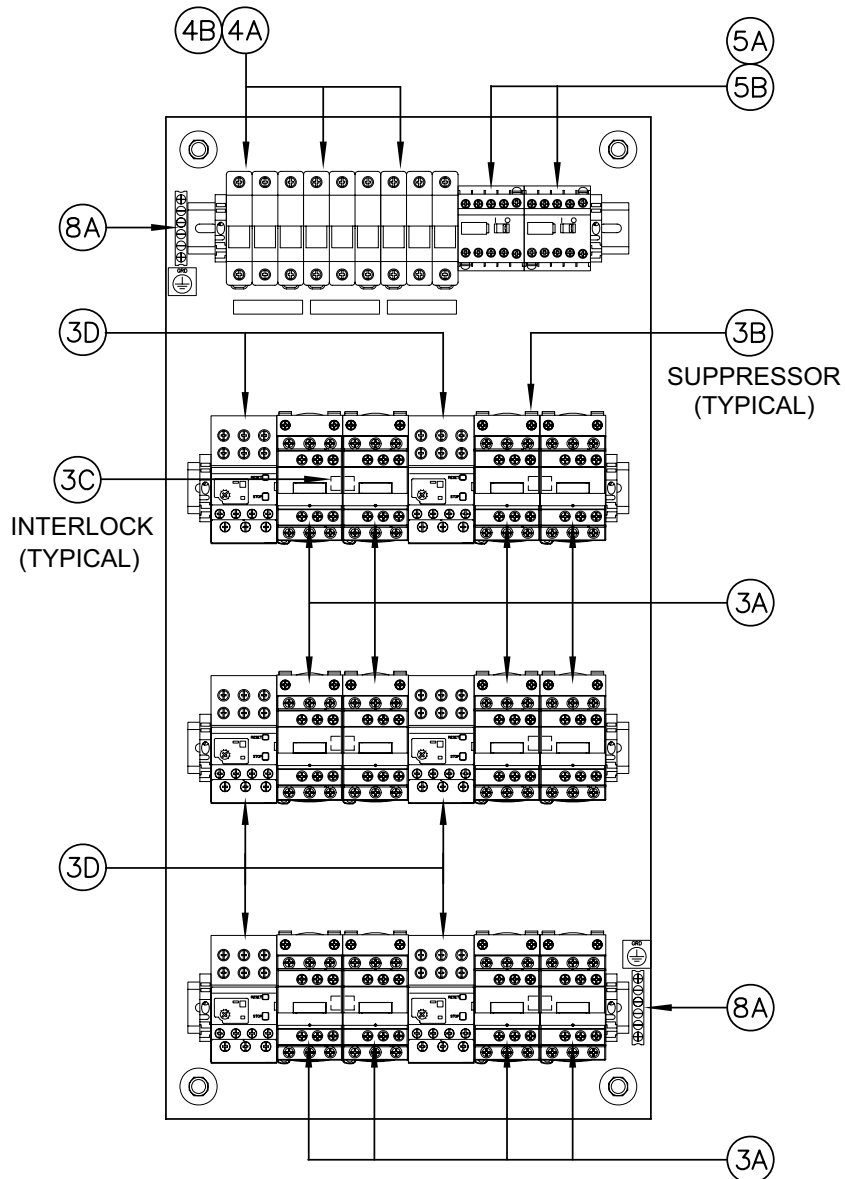
PARTIAL VIEW OF CONTROL BOARD

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

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

TWO SPEED FAN CONTACTOR PANEL



6

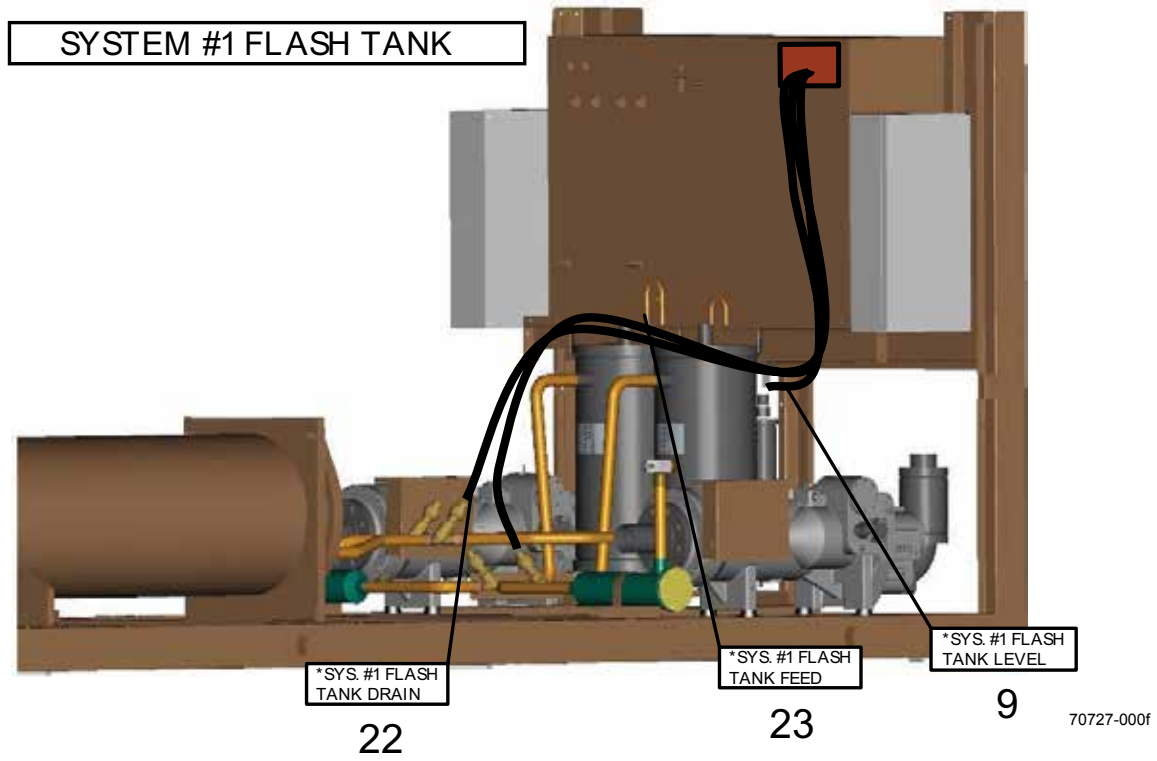
209201-B

FIG. 10 – TWO SPEED FAN CONTACTOR PANEL COMPONENTS
(REF. TABLE 12, PAGE 51)

TABLE 12 – TWO SPEED FAN CONTACTOR PANEL COMPONENTS
(SEE FIG. 10, PAGE 51)

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 AND VALVE HARNESSSES



SENSOR WIRING SYSTEM #1

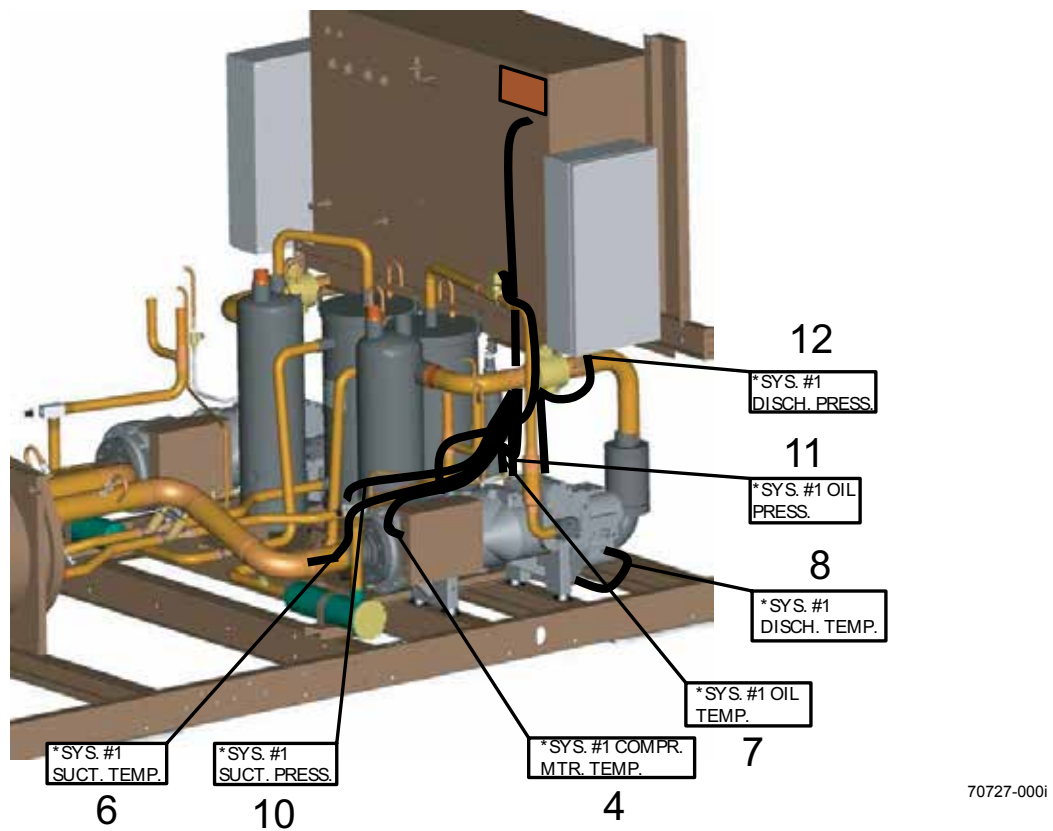
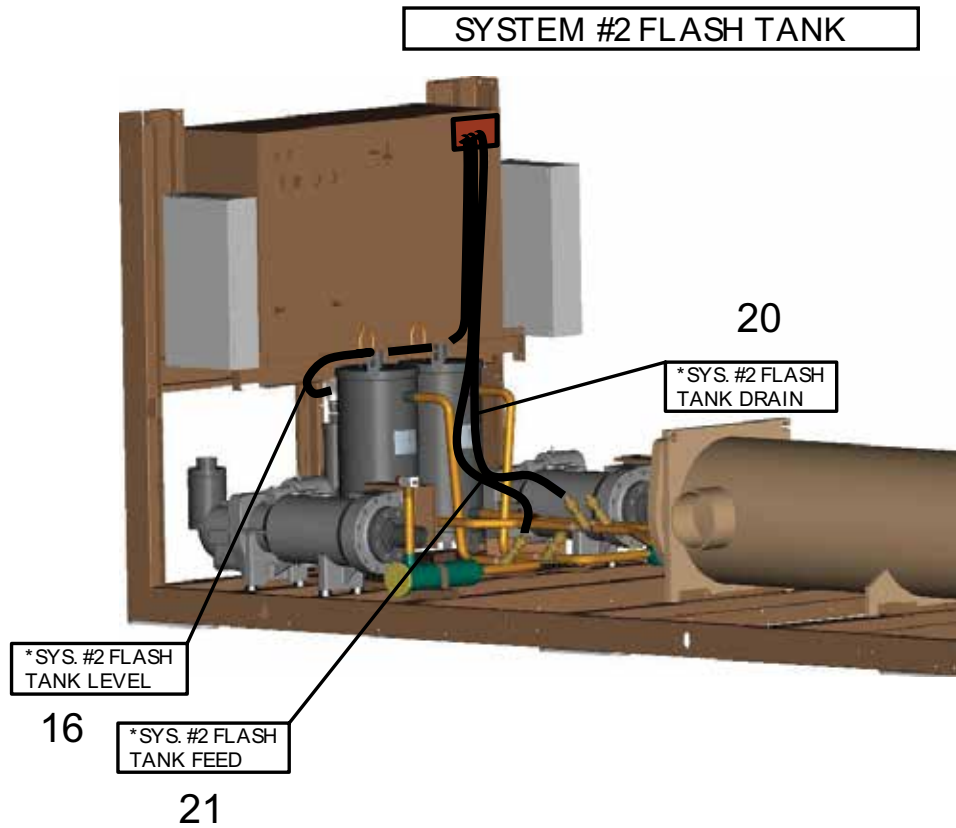
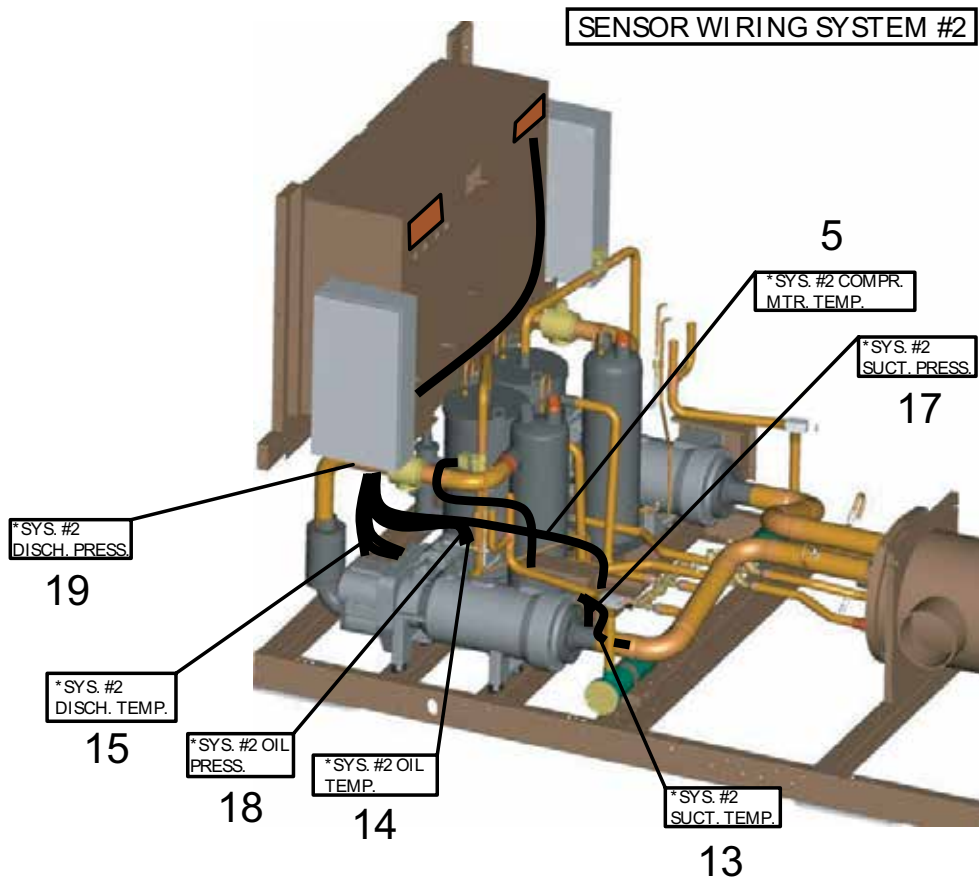


FIG. 12A – HARNESS LAYOUT (REF. TABLE 12, PAGES 56-59)

SENSOR AND VALVE HARNESSSES (CONT'D)



70727-000g

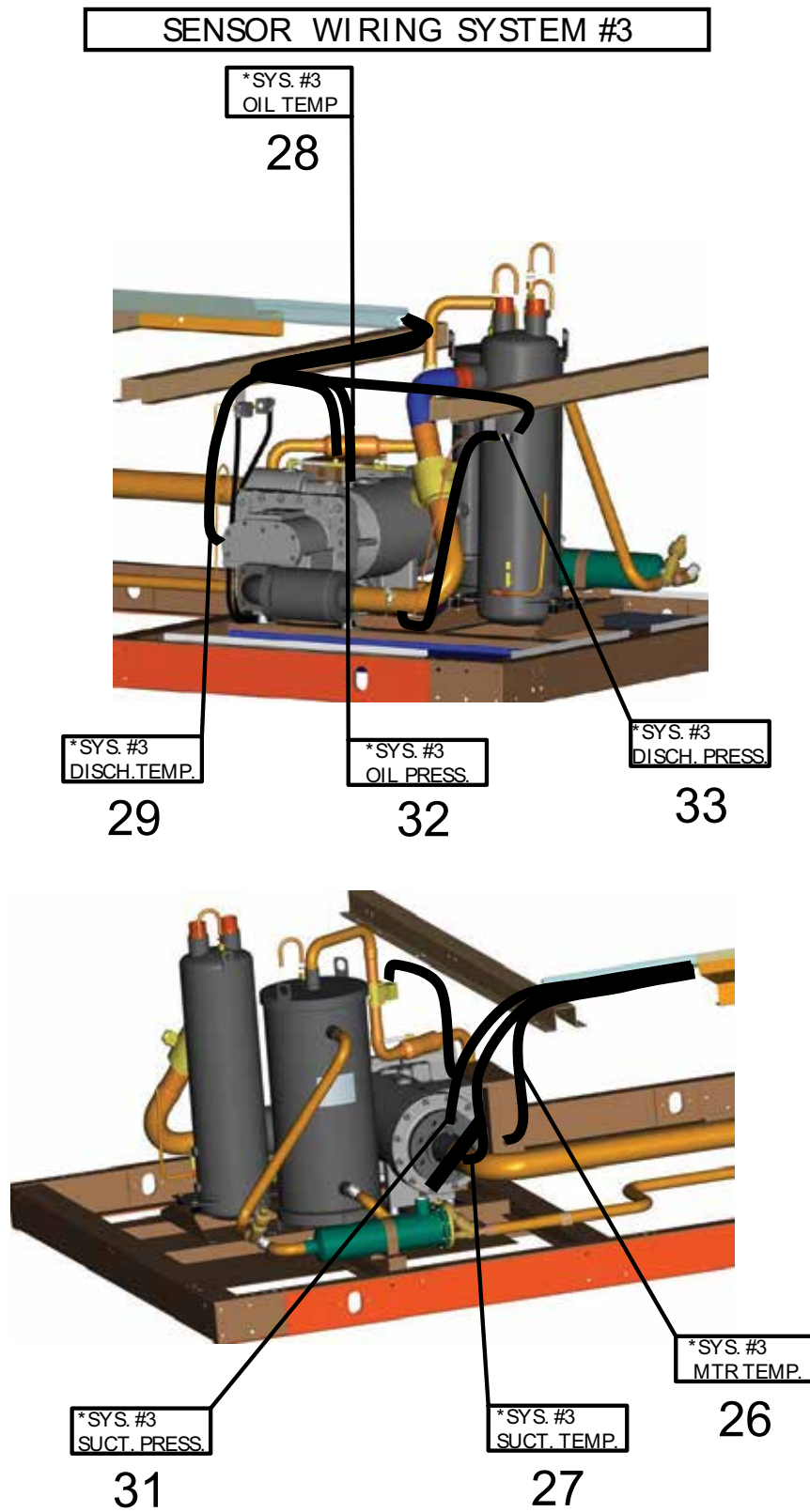


70727-000j

FIG. 12B – HARNESS LAYOUT (REF. TABLE 12, PAGES 56-59)

7

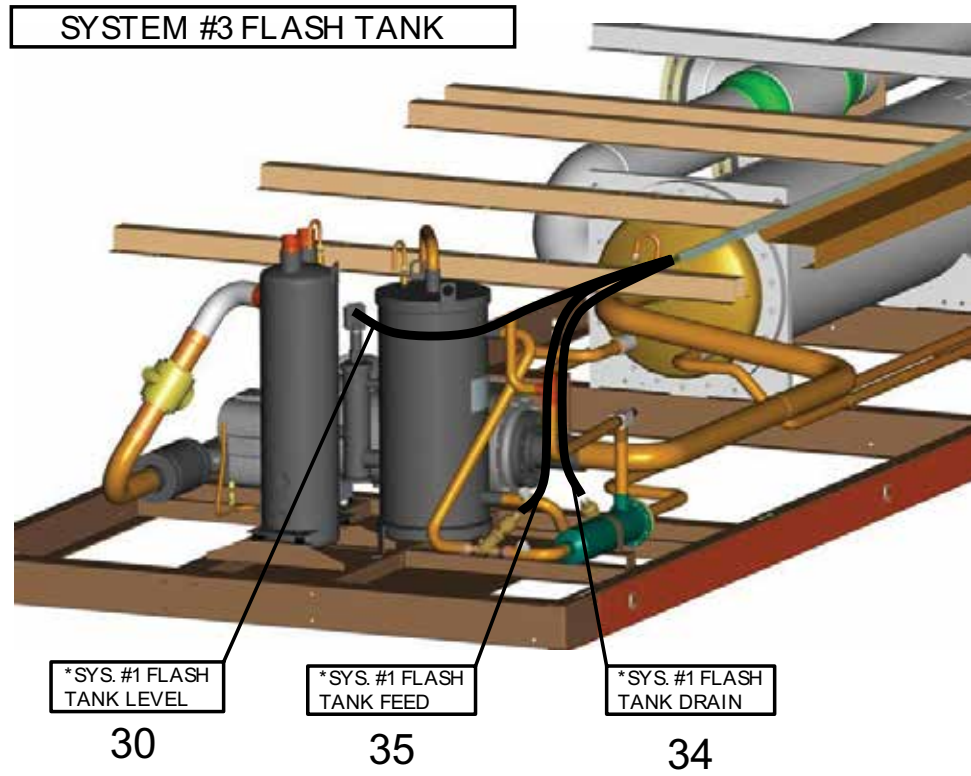
SENSOR AND VALVE HARNESSSES (CONT'D)



70727-000k

FIG. 12C – HARNESS LAYOUT (REF. TABLE 12, PAGES 56-59)

SENSOR AND VALVE HARNESSES (CONT'D)



7

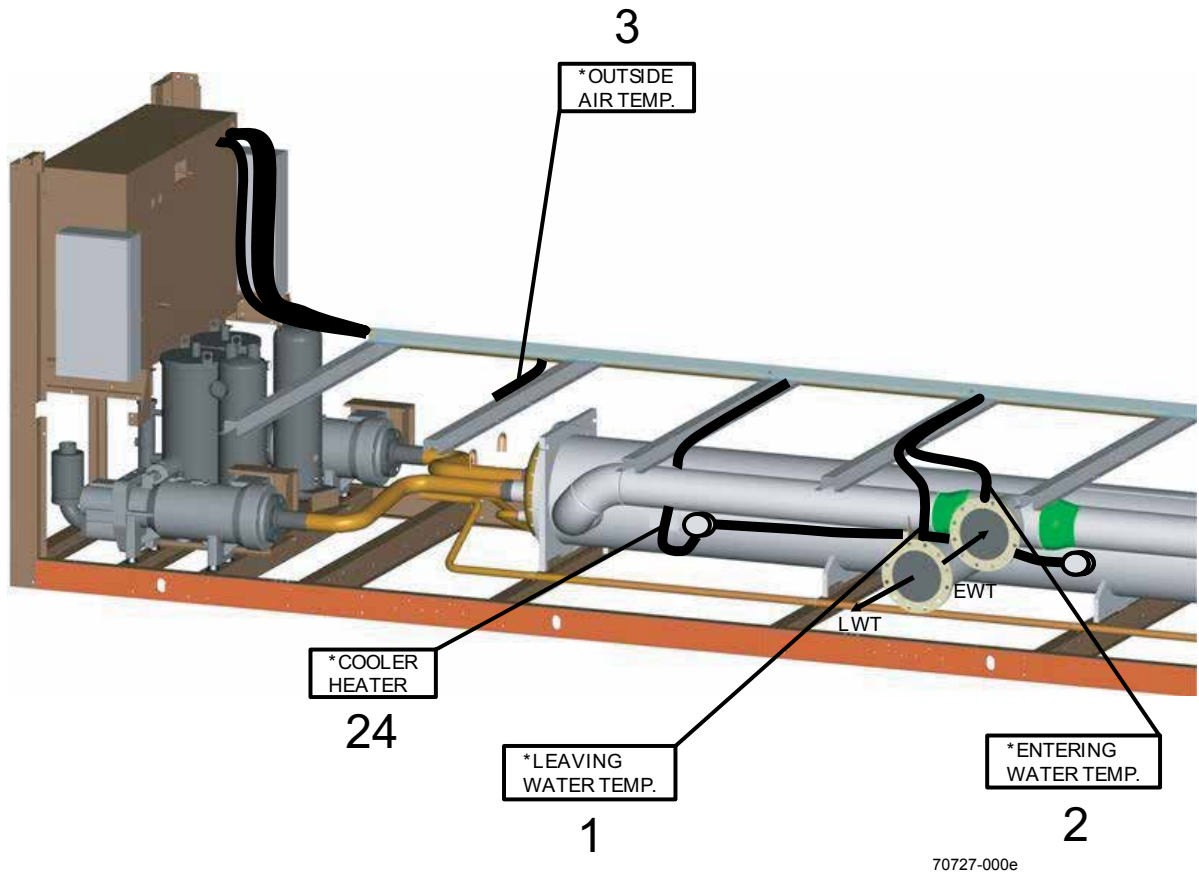



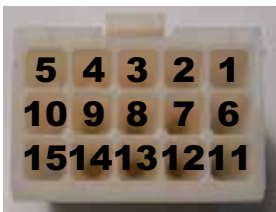


FIG. 12D – HARNESS LAYOUT (REF. TABLE 12, PAGES 56-59)







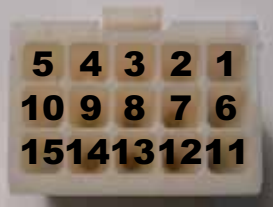
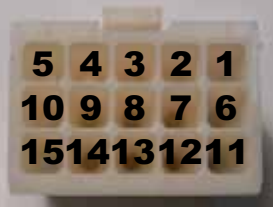
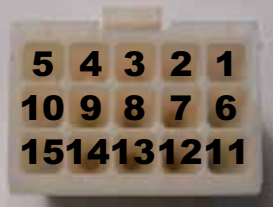
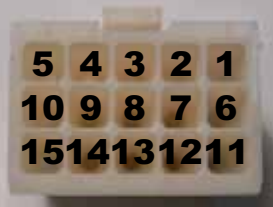
SENSOR AND VALVE HARNESSSES (CONT'D)

TABLE 12 – SENSOR HARNESS WIRING
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 52-55)

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	23	System #1 Flash Tank Feed	575-65662-320
						10	Red			
						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	11	System #1 Oil Pressure	575-65662-304
						7	Red			
						8	Black			
						9	Drain	12	System #1 Discharge Pressure	575-65662-306
						11	White			
						12	Red			
						13	Black			
						14	Drain	7	System #1 Oil Temperature	575-65662-300
						5	Black			
						10	Red			
						15	Drain			

SENSOR AND VALVE HARNESSSES (CONT'D)


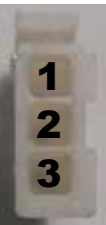

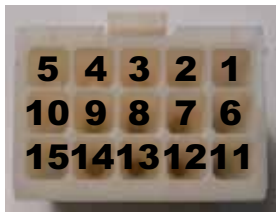
TABLE 12 (CONT'D) – SENSOR HARNESS WIRING
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 52-55)

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												
				Plug = 025-28383-001 Pin = 025-28386-000	P30	6	White	16	System #2 Flash Tank Level	575-65662-316						
						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												
				Plug = 025-28384-001 Pin = 025-28386-000	P32	5	Green	20	System #2 Flash Tank Drain	575-65662-336						
						6	Red									
						7	Black									
						8	White									
							Plug = 025-28384-001 Pin = 025-28386-000	P32	9	Green	21	System #2 Flash Tank Feed	575-65662-322			
									10	Red						
									11	Black						
									12	White						
										Plug = 025-28385-001 Pin = 025-28386-000	P33	1	White	17	System #2 Suction Pressure	575-65662-303
2	Red															
3	Black															
4	Drain															
6	White															
	Plug = 025-28385-001 Pin = 025-28386-000	P33	7	Red	18							System #2 Oil Pressure	575-65662-305			
			8	Black												
			9	Drain												
			11	White												
				Plug = 025-28385-001 Pin = 025-28386-000	P33	12	Red	19				System #2 Discharge Pressure	575-65662-307			
						13	Black									
						14	Drain									
						5	Black									
							Plug = 025-28385-001 Pin = 025-28386-000	P33				10	Red	14	System #2 Oil Temperature	575-65662-301
												15	Drain			
									15	Drain						

7

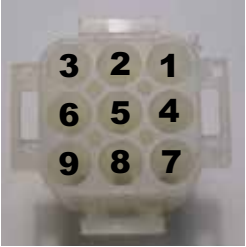
SENSOR AND VALVE HARNESSSES (CONT'D)

TABLE 12 (CONT'D) – SENSOR HARNESS WIRING
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 52-55)


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			
						5	Black	28	System #3 Oil Temperature	575-65662-349
						10	Red			
						15	Drain			

SENSOR AND VALVE HARNESSSES (CONT'D)

TABLE 12 (CONT'D) – SENSOR HARNESS WIRING
(SEE FIGS. 12A, 12B, 12C AND 12D, PAGES 52-55)

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			

7

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

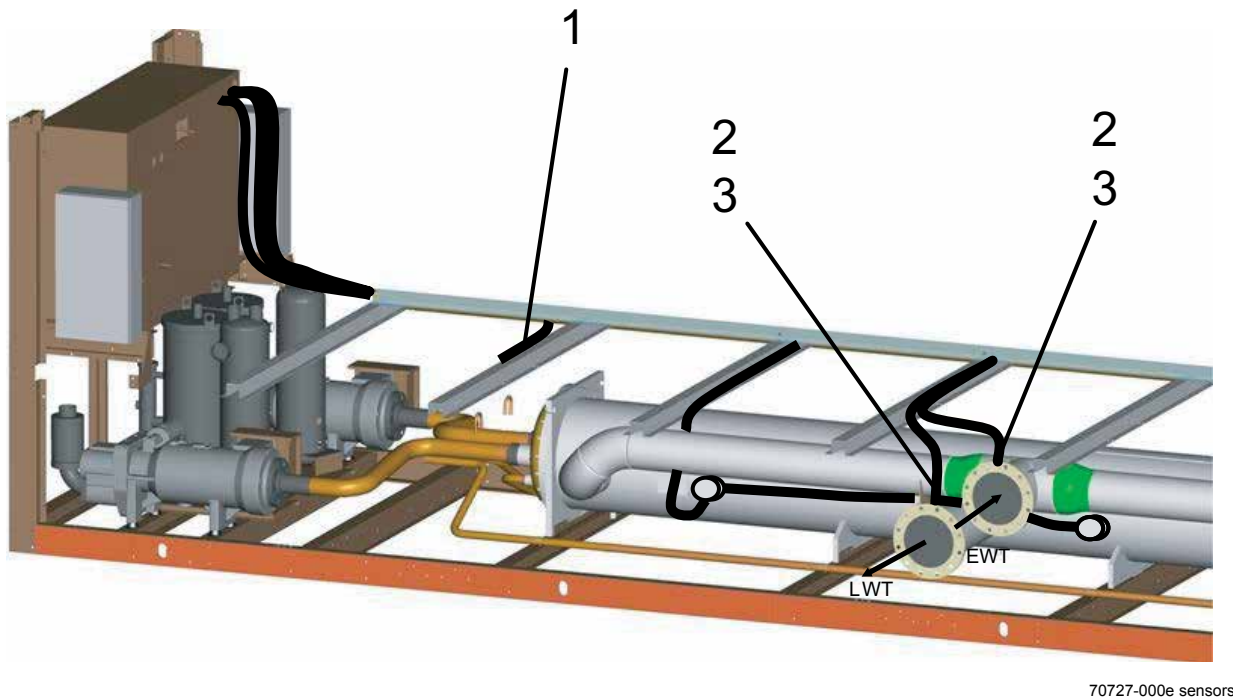
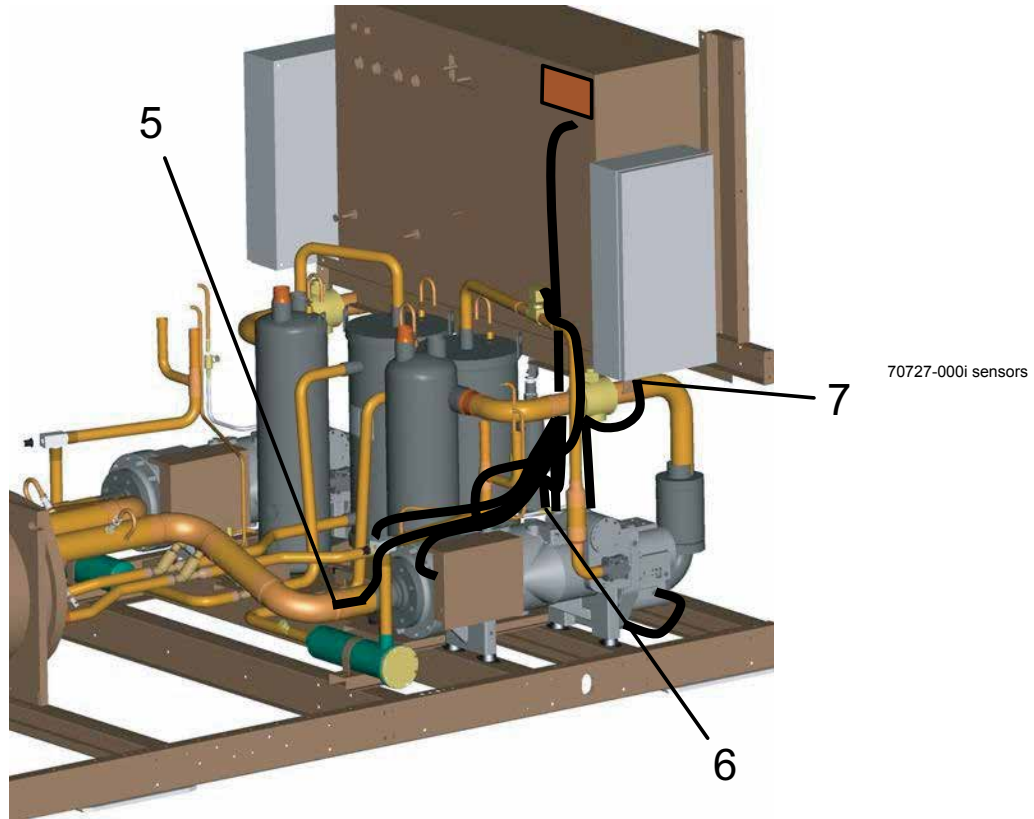


FIG. 13 – TRANSDUCERS AND TEMP SENSORS (REF. TABLE 13, PAGE 61)

TRANSDUCERS AND TEMP SENSORS (CONT'D)

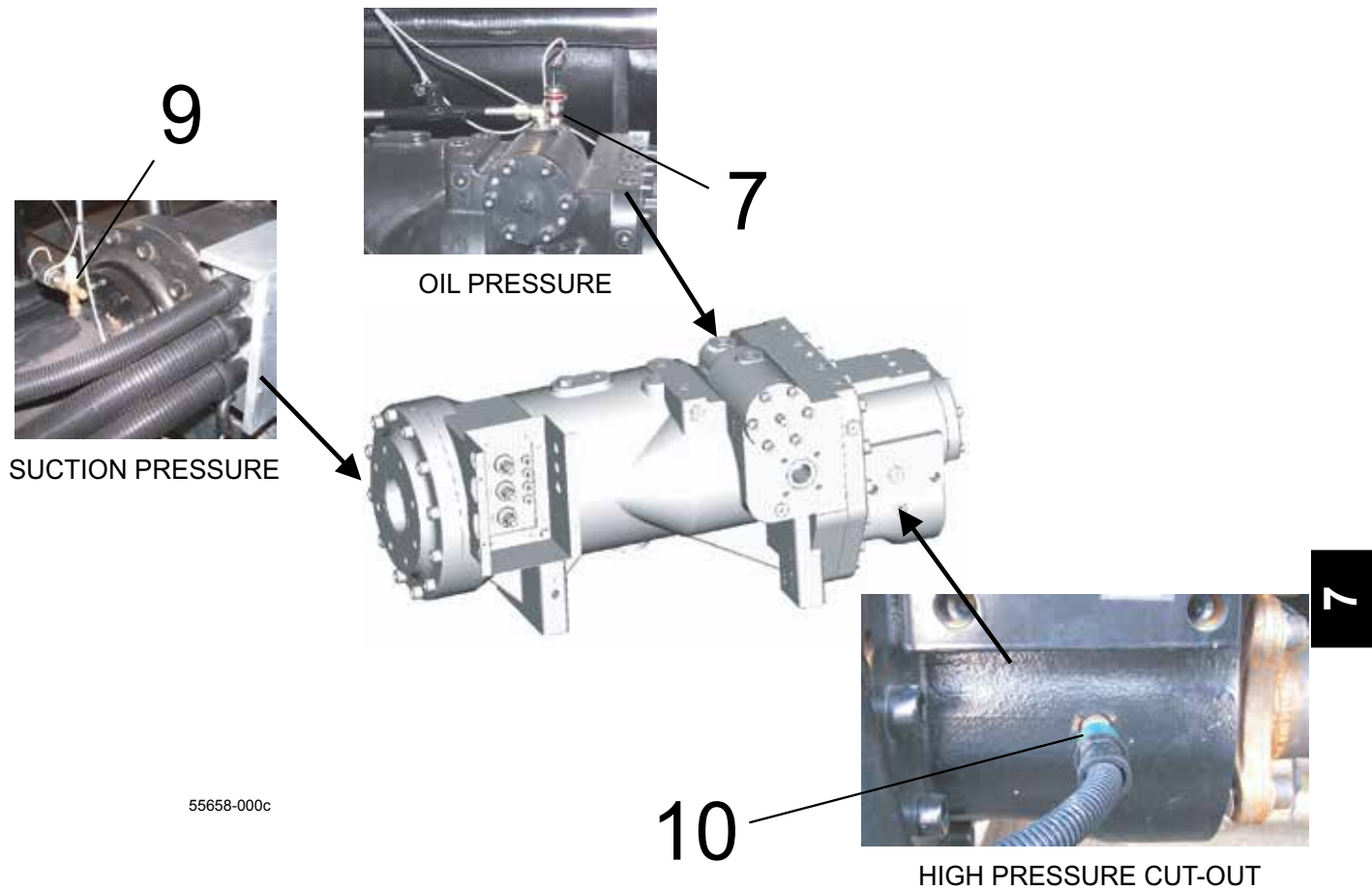


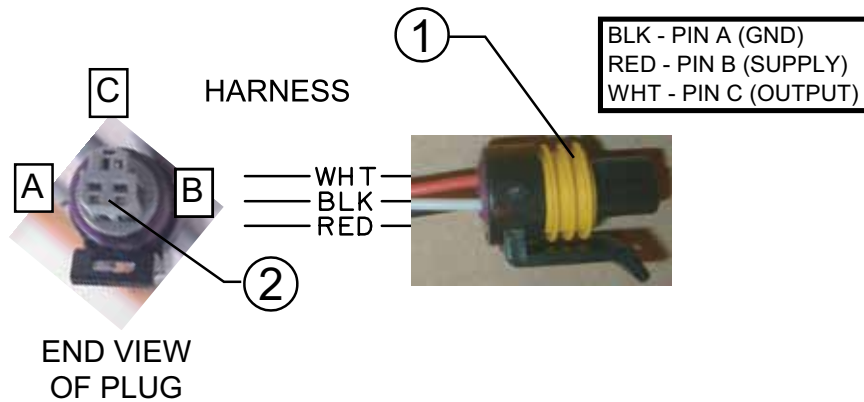
FIG. 13A – TRANSDUCERS AND HIGH PRESSURE CUT-OUT (REF. TABLE 13)

TABLE 13 – TRANSDUCERS, TEMP SENSORS AND HIGH PRESSURE CUT-OUT SWITCH (SEE FIGS. 13 AND 13A, PAGES 60 AND 61)

Item #	Quantity	Description	Voltage 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	1 per system	Sensor, Suction Temperature	All	025-28935-000
6 ^s	1 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
9 ^s	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

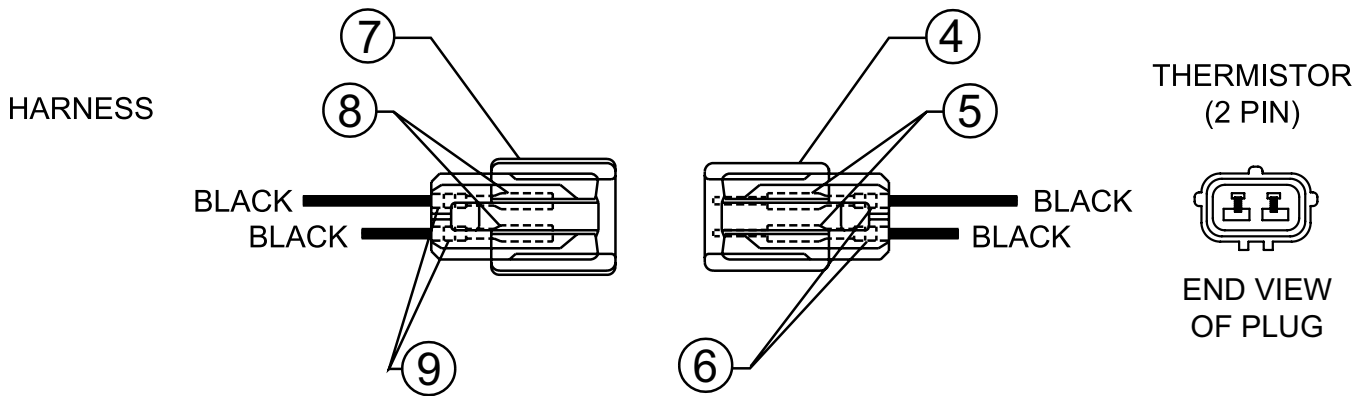
^s Recommended Spare Part

TRANSDUCER AND THERMISTOR WIRE HARNESS CONNECTORS FIELD REPLACEMENT PART NUMBERS



Item No.	Location	Description	Pins	Part Number
1	Wire Harness	Plug Connector	3 Pin End	025-41761-000
2		Contact Pins		025-41812-000

02492-2d



Item No.	Location	Description	Pins	Part Number
4	Temperature Sensor	Plug Connector	2 Pin End	025-28948-000
5		Contact Pins		025-28949-000
6		Rubber Collar		025-28950-000
7	Wire Harness	Plug Connector	2 Pin End	025-28951-000
8		Contact Pins		025-28952-000
9		Rubber Collar		025-28950-000

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

VIBRATION ISOLATORS

TABLE 14 – INDIVIDUAL VIBRATION ISOLATOR 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-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 W/ BLACK	029-24583-009
1489 to 1786 lbs.	675 to 910 kg.	CIP-C-2100	RED W/ YELLOW	029-24583-010
1786 to 2028 lbs.	910 to 920 kg.	CIP-C-2385	GREEN W/ YELLOW	029-24583-011
2028 to 2254 lbs.	920 to 1022 kg.	CIP-C-2650	RED W/ RED	029-24583-012
2254 to 2936 lbs.	1022 to 1332 kg.	CIP-C-2935	GREEN W/ RED	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 15 – 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			

ENCLOSURE KIT OPTIONS

TABLE 16 – 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
0267 / 1050	N/A	475-72018-014	N/A	475-72019-014
0287 / 1070	475-72018-013	N/A	475-72019-013	N/A
0287 / 1120	N/A	475-72018-015	N/A	475-72019-015
0307 / 1180	475-72018-014	N/A	475-72019-014	N/A
0327 / 1220	N/A	475-72018-016	N/A	475-72019-016
0357 / 1340	475-72018-016	N/A	475-72019-016	N/A
0357 / 1380	N/A	475-72018-018	N/A	475-72019-018
0397 / 1500	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
0267 / 1050	N/A	475-72024-014	N/A	475-72019-140
0287 / 1070	475-72024-013	N/A	475-72019-130	N/A
0287 / 1120	N/A	475-72024-015	N/A	475-72019-150
0307 / 1180	475-72024-014	N/A	475-72019-140	N/A
0327 / 1220	N/A	475-72024-016	N/A	475-72019-160
0357 / 1340	475-72024-016	N/A	475-72019-160	N/A
0357 / 1380	N/A	475-72024-018	N/A	475-72019-180
0397 / 1500	475-72024-018	N/A	475-72019-180	N/A

ENCLOSURE KIT OPTIONS (CONT'D)**TABLE 17 – ENCLOSURE KIT OPTIONS - TOP AND BOTTOM SECTIONS
(SEE FIGS. 15-18, PAGES 67-70)**

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/LOU- VERED	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)

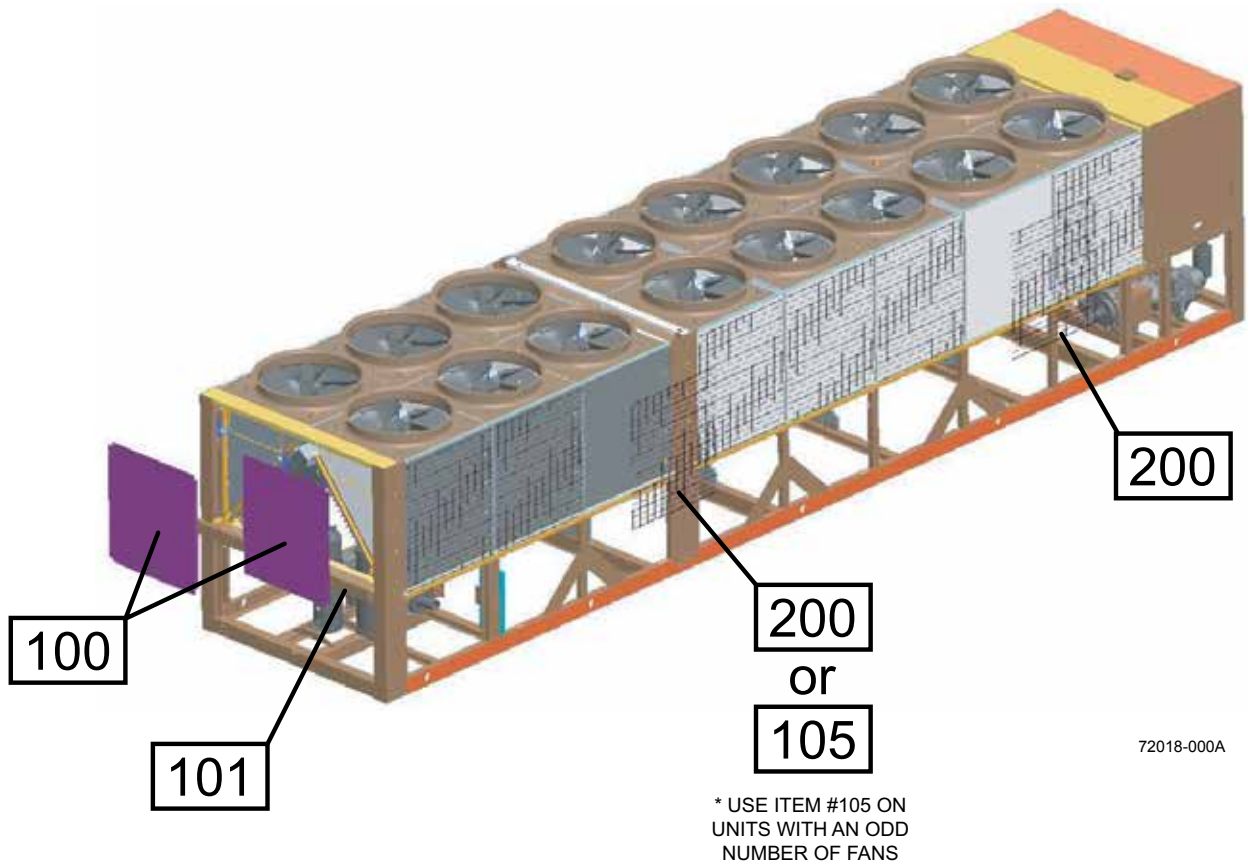


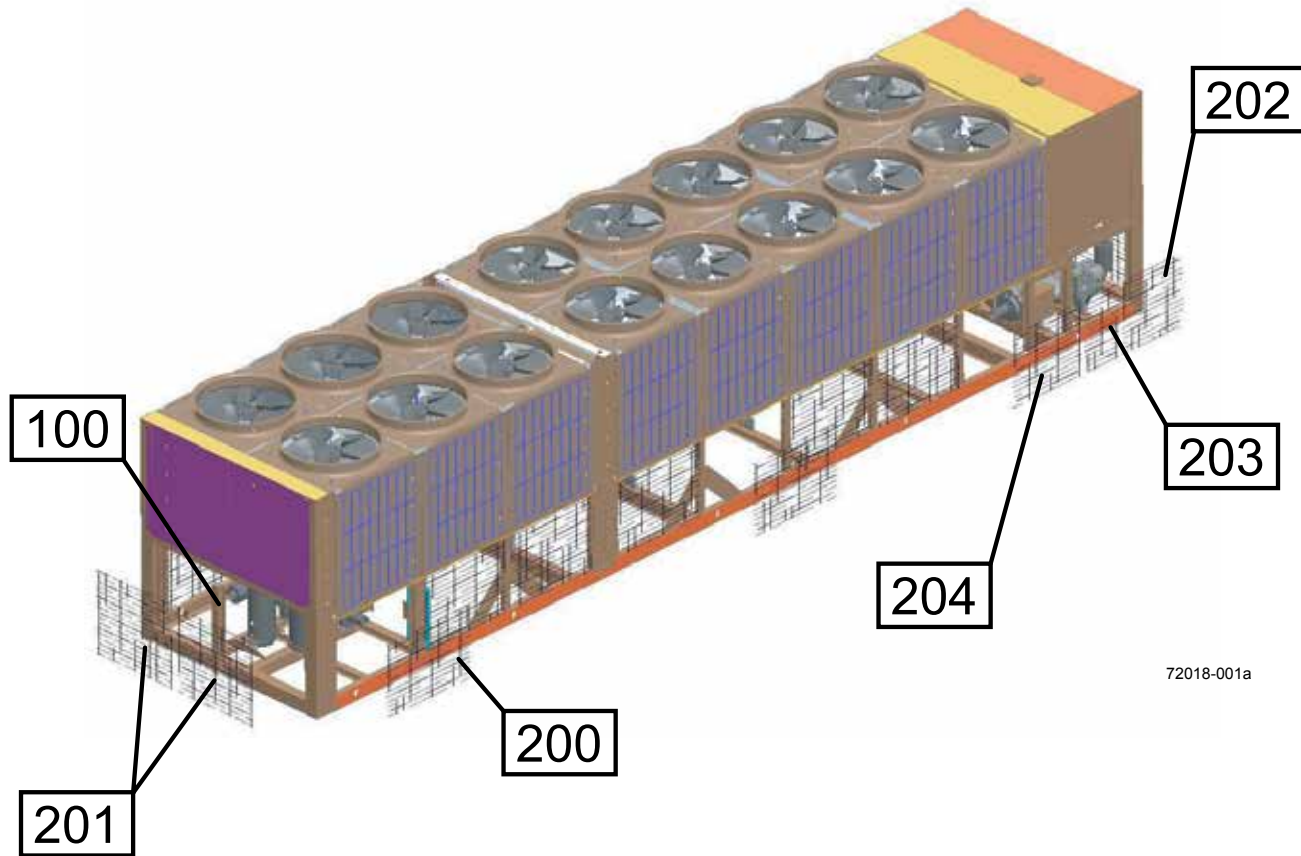
FIG. 15 – WIRE ENCLOSURE (TOP SECTIONS) - 375-72018-130 SHOWN (REF. TABLE 18)

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

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)

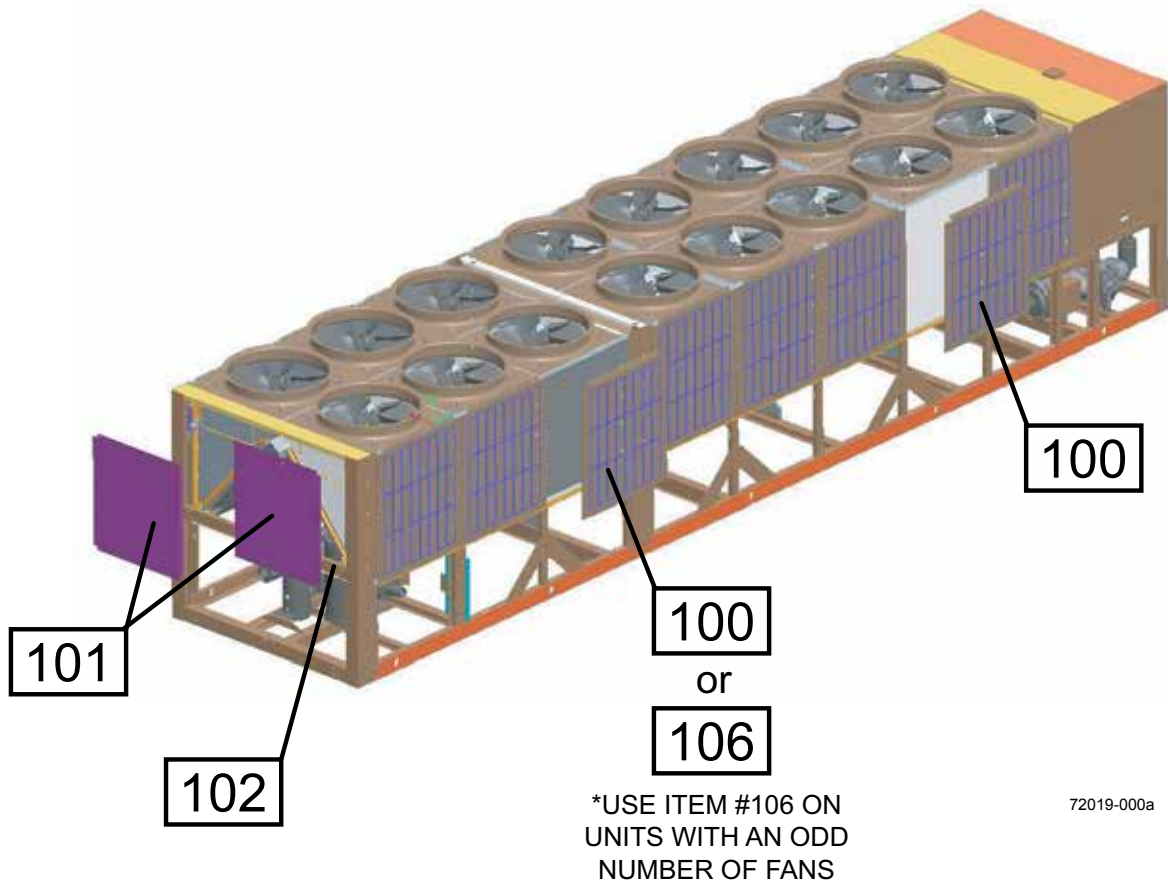


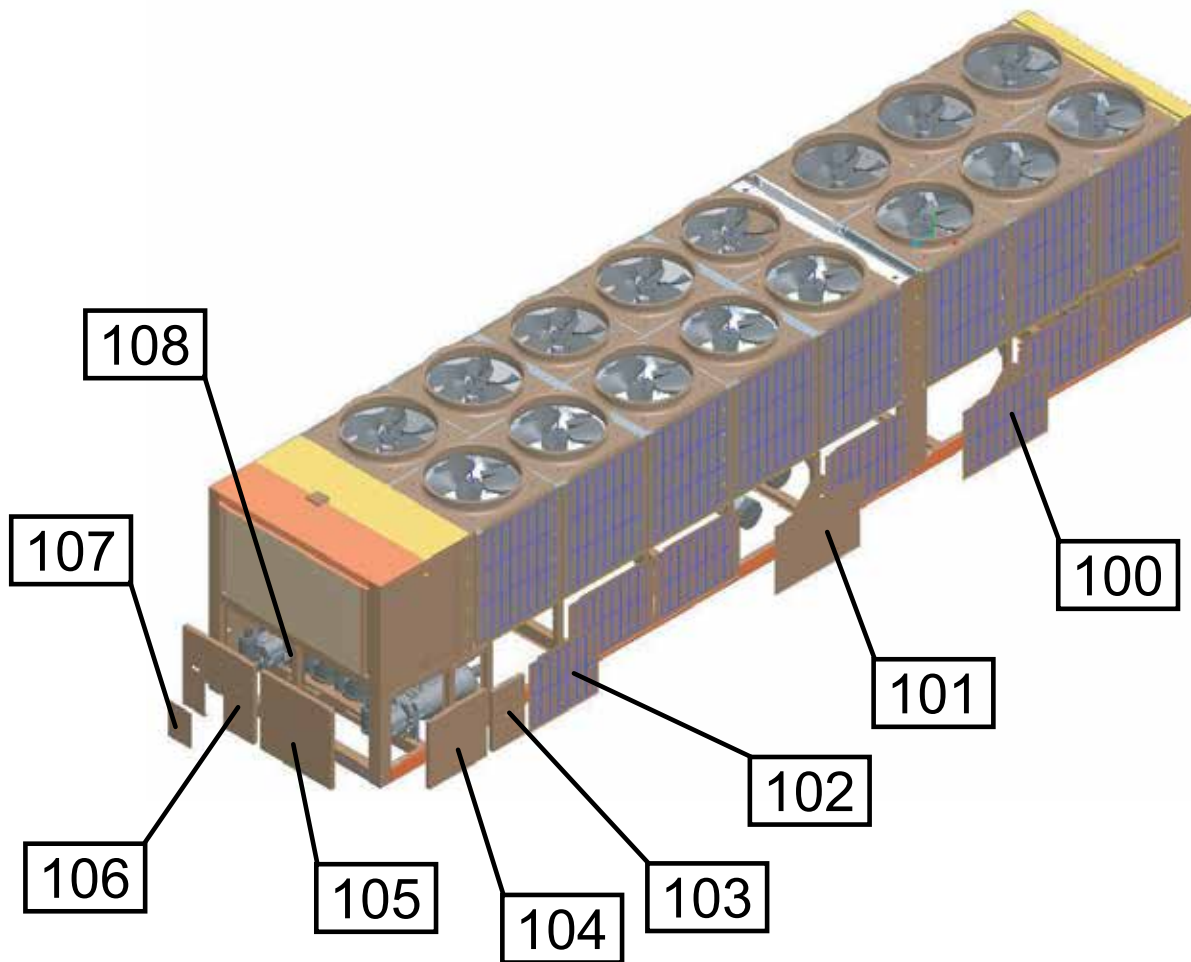
FIG. 17 – LOUVERED ENCLOSURE (TOP SECTIONS) - 375-72019-013 SHOWN (REF. TABLE 20)

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)

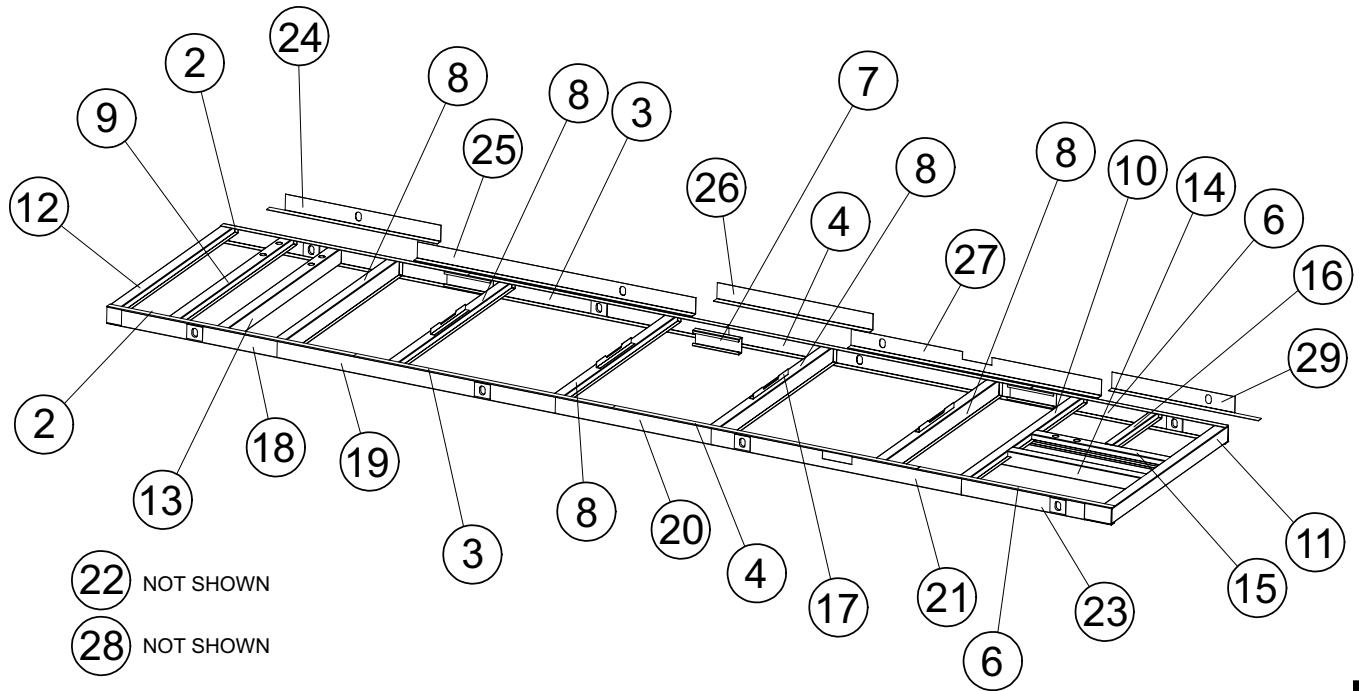
LOUVERED ENCLOSURE BOTTOM SECTIONS KIT COMPONENTS			
ITEM #	DESCRIPTION	PART NUMBER	QTY
100	LOUVER PANEL	075-68132-000	11**
101	LOUVER PANEL	075-72021-000	1
102	LOUVER PANEL	075-68131-000	2
103	LOUVER PANEL, SIDE	075-66949-000	2
104	LOUVER PANEL, SIDE	075-65694-000	2
105	LOUVER PANEL, END	075-65693-000	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

FRAME RAIL COMPONENTS



70766-1



FIG. 19 – BASE RAIL COMPONENTS - 375-70766-XXX SHOWN (REF. TABLE 22)

TABLE 22 – BASE RAIL COMPONENTS (SEE FIG. 19)

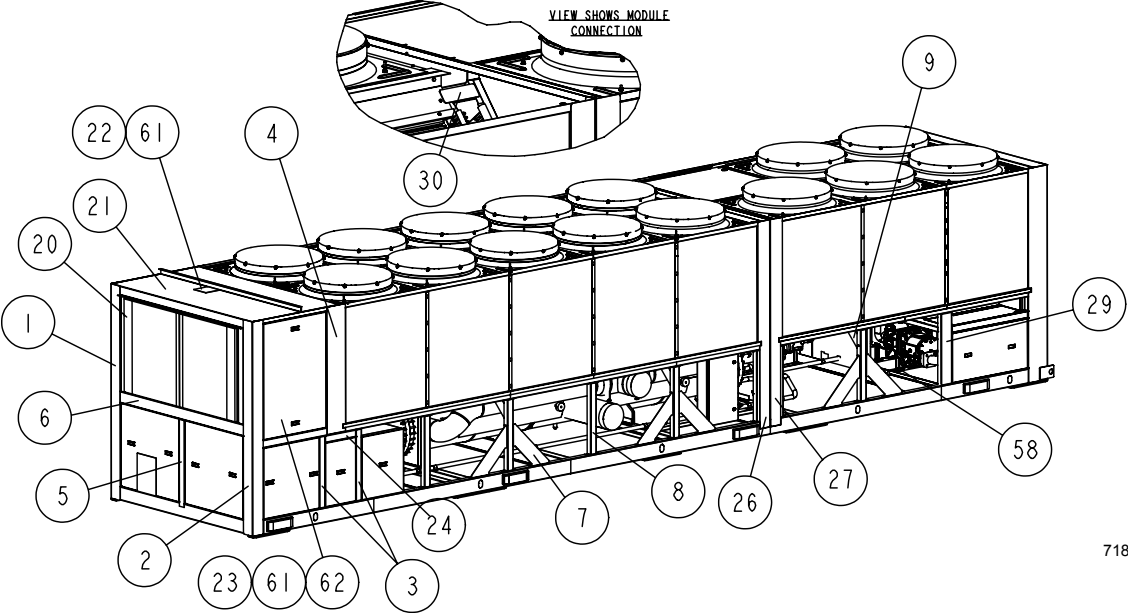
ITEM #	DESCRIPTION	YCIV MODELS	PART NUMBER	QTY
2	CHANNEL, SIDE	ALL	075-65621-000	2
3	CHANNEL, SIDE	0267/1050, 0287/1070	075-71900-000	2
		0287/1120	075-71892-000	
		0307/1180	075-70788-000	
		0327/1220, 0357/1340, 0357/1380, 0397/1500	075-70232-000	
4	CHANNEL, SIDE	0267/1050, 0287/1070	075-71905-000	2
		0287/1120	075-71893-000	
		0307/1180	075-70789-000	
		0327/1220, 0357/1340	075-70233-000	
		0357/1380, 0397/1500	075-70797-000	
5	CHANNEL, SIDE	0357/1380, 0397/1500	075-70796-000	2
6	CHANNEL, SIDE	0267/1050, 0287/1070, 0307/1180, 0327/1220, 0357/1340	075-70234-000	2
		0287/1120, 0357/1380, 0397/1500	075-70787-000	
7	CONNECTOR, SIDE CHANNEL	0267/1050, 0287/1070, 0307/1180, 0327/1220, 0357/1340, 0287/1120	075-65622-000	6
		0357/1380, 0397/1500		8
8	CHANNEL, COOLER SUPPORT	0267/1050, 0287/1070, 0307/1180, 0327/1220, 0357/1340, 0287/1120	075-65623-000	5
		0357/1380, 0397/1500		6

FRAME RAIL COMPONENTS (CONT'D)

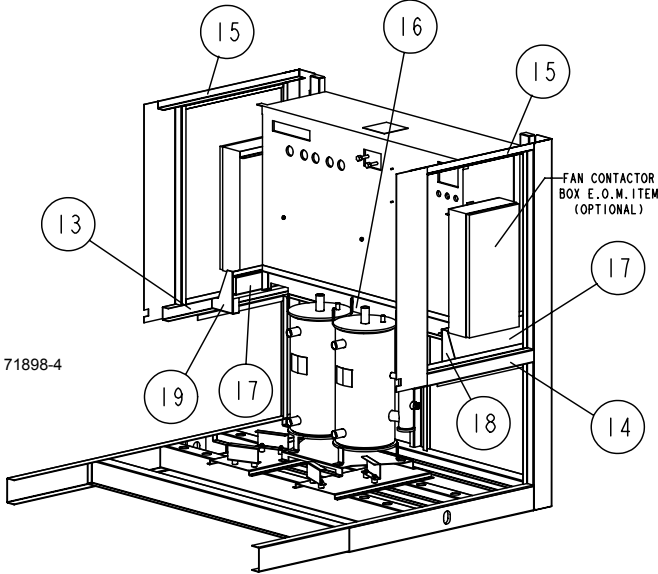
TABLE 22 (CONT'D) – BASE RAIL COMPONENTS (SEE FIG. 19, PAGE 71)

ITEM #	DESCRIPTION	YCIV MODELS	PART NUMBER	QTY
9	CHANNEL, RAIL END	ALL	075-65624-000	1
10	CHANNEL, RAIL SUPPORT	ALL	075-70243-000	1
11	CHANNEL, RAIL END	ALL	075-70242-000	1
12	CHANNEL, RAIL SUPPORT	ALL	075-65627-000	1
13	CHANNEL, RAIL SUPPORT	ALL	075-65628-000	1
14	CHANNEL, RAIL SUPPORT	ALL	075-70241-000	1
15	CHANNEL, RAIL SUPPORT	ALL	075-70244-000	1
16	CHANNEL, RAIL SUPPORT	ALL	075-70245-000	1
17	BRACKET, COOLER	ALL	075-55617-000	4
18	L-SECTION SIDE END	ALL	075-70235-000	1
19	L-SECTION SIDE	0267/1050, 0287/1070	075-71906-000	1
		0287/1120	075-71894-000	
		0307/1180	075-70790-000	
		0327/1220, 0357/1340, 0357/1380, 0397/1500	075-70236-000	
20	L-SECTION SIDE	0267/1050, 0287/1070	075-70779-000	1
		0287/1120, 0307/1180	075-70792-000	
		0327/1220, 0357/1340	075-70779-000	
		0357/1380, 0397/1500	075-70820-000	
21	L-SECTION SIDE	0267/1050, 0287/1070	075-71907-000	1
		0287/1120	075-71895-000	
		0307/1180	075-70793-000	
		0327/1220, 0357/1340	075-70780-000	
		0357/1380, 0397/1500	075-70821-000	
22	L-SECTION SIDE	0357/1380, 0397/1500	075-70822-000	1
23	L-SECTION SIDE END	ALL	075-70781-000	1
24	L-SECTION SIDE END	ALL	075-70782-000	1
25	L-SECTION SIDE	0267/1050, 0287/1070	075-71908-000	1
		0287/1120	075-71896-000	
		0307/1180	075-70791-000	
		0327/1220, 0357/1340, 0357/1380, 0397/1500	075-70783-000	
26	L-SECTION SIDE	0267/1050, 0287/1070	075-70784-000	1
		0287/1120, 0307/1180	075-70794-000	
		0327/1220, 0357/1340	075-70784-000	
		0357/1380, 0397/1500	075-70823-000	
27	L-SECTION SIDE	0267/1050, 0287/1070	075-71909-000	1
		0287/1120	075-71897-000	
		0307/1180	075-70795-000	
		0327/1220, 0357/1340	075-70785-000	
		0357/1380, 0397/1500	075-70824-000	
28	L-SECTION SIDE	0357/1380, 0397/1500	075-70825-000	1
29	L-SECTION SIDE END	ALL	075-70786-000	1

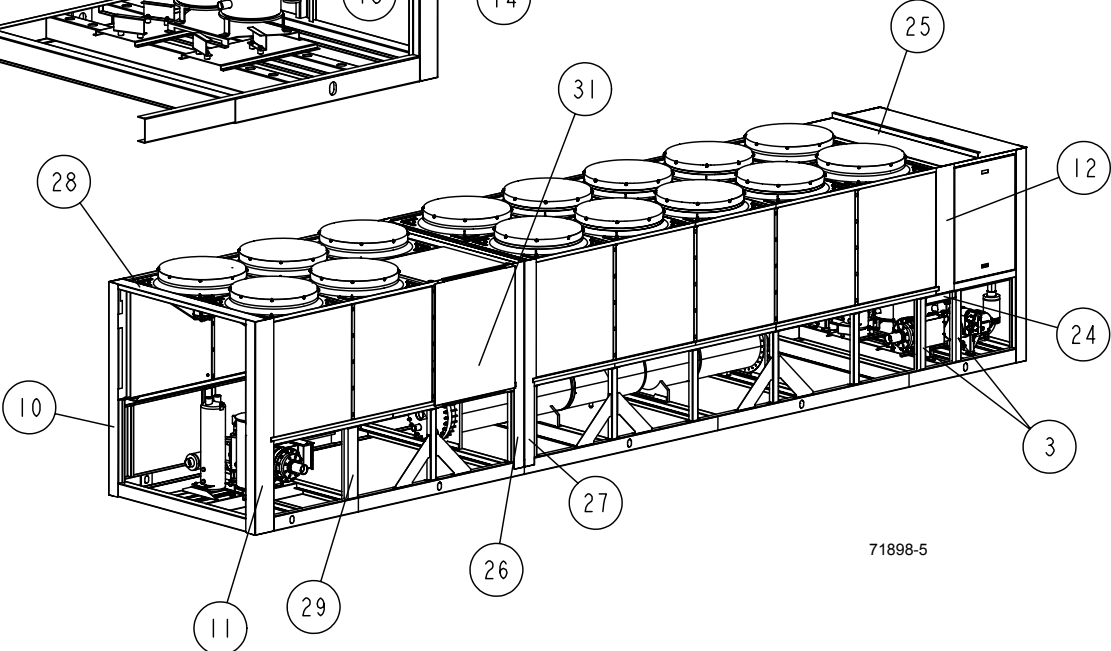
FRAME RAIL COMPONENTS (CONT'D)



71898-3



71898-4



71898-5

FIG. 19A – FRAME RAIL COMPONENTS - 375-71898-XXX SHOWN (REF. TABLE 22A, PAGES 74 AND 75)

FRAME RAIL COMPONENTS (CONT'D)**TABLE 22A – FRAME RAIL COMPONENTS (SEE FIG. 19A, PAGE 73)**

ITEM #	DESCRIPTION	YCIV MODELS	PART NUMBER	QTY
1	SUPPORT, FRONT LEFT	ALL	075-65636-000	1
2	SUPPORT, FRONT RIGHT	ALL	075-65638-000	1
3	SUPPORT, MODULE	ALL	075-66932-000	4
4	COVER, HEADER RIGHT	ALL	075-65643-000	1
5	SUPPORT, CONTROL PANEL	ALL	075-65639-000	1
6	CHANNEL, CONTROL PANEL	ALL	075-65637-000	1
7	BRACKET, SUPPORT	13 and 14 Fan Units	075-65645-000	8
		15, 16 and 18 Fan Units		12
8	LEG, SUPPORT	13 and 14 Fan Units	075-65661-000	12
		15 and 16 Fan Units		14
		18 Fan Units		16
9	BRACKET, ANGLE	13 and 14 Fan Units	075-55626-000	4
		15, 16 and 18 Fan Units		6
10	SUPPORT, REAR LEFT	ALL	075-65639-000	1
11	SUPPORT, REAR RIGHT	ALL	075-65640-000	1
12	COVER, HEADER LEFT	ALL	075-65642-000	1
13	RAIL, SIDE RIGHT	ALL	075-65654-000	1
14	RAIL, SIDE LEFT	ALL	075-65655-000	1
15	SUPPORT, PANEL TOP LEFT	ALL	075-84934-000	2
16	RAIL, SUPPORT	ALL	075-65650-000	1
17	SUPPORT, CONTROL PANEL	ALL	075-65651-000	2
18	BRACKET	ALL	075-65653-000	1
19	BRACKET	ALL	075-65652-000	1
20	PANEL, SIDE	ALL	075-70814-000	2
21	PANEL, TOP	ALL	075-84935-000	1
22	COVER, GLYCOL LOOP	ALL	075-84936-000	1
23	PANEL, SIDE TOP	ALL	075-65644-000	2
24	BRACE	ALL	075-66933-000	2
25	PANEL, COVER TOP	ALL	075-84937-000	1
26	LEG, SUPPORT MIDDLE	ALL	075-70237-000	2
27	LEG, SUPPORT	ALL	075-70238-000	2
28	PANEL, COVER TOP	ALL	075-70767-000	1
29	SUPPORT, MODULE	ALL	075-70816-000	2

FRAME RAIL COMPONENTS (CONT'D)

TABLE 22A (CONT'D) – FRAME RAIL COMPONENTS (SEE FIG. 19A, PAGE 73)

ITEM #	DESCRIPTION	YCIV MODELS	PART NUMBER	QTY
30	PLATE, MODULE CONNECTOR	ALL	075-70849-000	2
31	PANEL, AESTHETIC VEE	13 and 15 Fan Units	075-66959-000	1
32	PANEL, AESTHETIC TOP	13 and 15 Fan Units	075-66960-000	1
33	PANEL, AESTHETIC SIDE	13 and 15 Fan Units	075-66961-000	1
34	CHANNEL, ZEE	13 and 15 Fan Units	075-66962-000	1
35	BRACKET, ANGLE	13 and 15 Fan Units	075-66963-000	1
36	BRACKET, FAN MOUNTING	13 and 15 Fan Units	075-55346-000	1
37	PAN, UPPER	13 and 15 Fan Units	075-55347-000	1
58	ISOLATOR, COMPRESSOR	ALL	029-24536-000	12
61	GASKET (USE WITH ITEMS #22 AND #23)	ALL	028-11779-000	AR
62	HANDLE, RECESSED	ALL	021-31848-000	4

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	024-27322-207
		-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)	-40 and -46	026-41594-000
		-50	026-41943-000
	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 4A	Core, Dehydrator	All	026-37540-000
Pages 18, 19, 20 and 21, Item 7	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 28B	Chiller Control Board	See Table 8	331-03478-6xx
Page 38, Item 72	Controller, Drain/Feed Valve (Straight Flow)	All	031-02742-000
Page 61, Item 1	Sensor, Outside Air Temperature	All	025-28663-001
Page 61, Item 2	Sensor, Water Temp. (EWT, LWT)	All	025-40334-000
Page 61, Item 4	Sensor, Discharge Temperature	All	025-32924-000
Page 61, Item 5	Sensor, Suction Temperature	All	025-28935-000
Page 61, Item 6	Sensor, Oil Temperature	All	025-30440-000
Page 61, Item 7	Transducer, Discharge & Oil Pressure (0-275psi)	All	025-29139-003
Page 61, Item 9	Transducer, Suction Pressure (0-125psi)	All	025-29583-001

** NOTE: Champagne Spray Can Touch Up Paint - 013-03355-000.

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

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