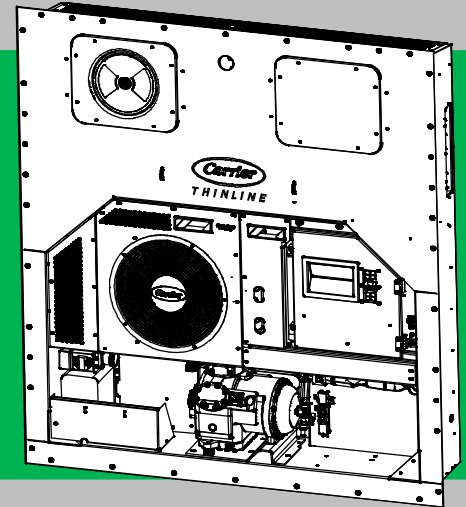
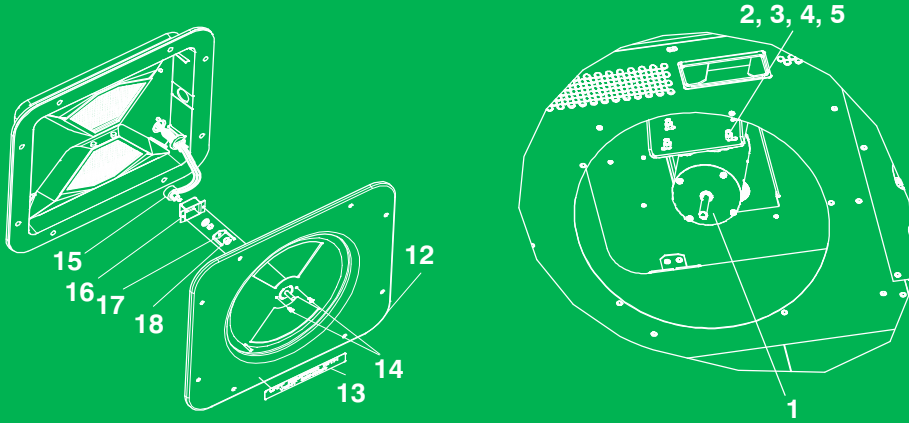




Container Refrigeration



SERVICE PARTS LIST

For

69NT40-541-500 to 599

Container Refrigeration Units



SERVICE PARTS LIST CONTAINER REFRIGERATION UNIT

Model

69NT40-541-500 to 599

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INTRODUCTION

1 INTRODUCTION

The Carrier Transicold model 69NT40–541–500 to 599 series units are of lightweight aluminum frame construction, designed to fit in the front of a container and serve as the container's front wall.

They are one piece, self-contained, all electric units, which include cooling and heating systems to provide precise temperature control.

The units are supplied with a complete charge of refrigerant R-134a and compressor lubricating oil, and are ready for operation upon installation. Forklift pockets are provided for unit installation and removal.

The base unit operates on nominal 380/460 volt, 3-phase, 50/60 hertz (Hz) power. An optional autotransformer may be fitted to allow operation on nominal 190/230, 3-phase, 50/60 Hz power. Control system power is provided by a transformer which steps the supply power down to 18 and 24 volts, single phase.

The controller is a Carrier Transicold Micro-Link 3 microprocessor. The controller operates automatically to select cooling, holding or heating as required to maintain the desired set point temperature within very close limits. The unit may also be equipped with an electronic temperature recorder.

The controller has a keypad and display for viewing or changing operating parameters. The display is also equipped with lights to indicate various modes of operation.

2 CONFIGURATION IDENTIFICATION

Unit identification information is provided on a plate located near the compressor. The plate provides the unit model number, the unit serial number and the unit parts identification number (PID). The model number identifies the overall unit configuration while the PID provides information on specific optional equipment, factory provision to allow for field installation of optional equipment and differences in detailed parts.

3 FEATURE DESCRIPTIONS

3.1 Control Box

Units are equipped with an aluminum control box, and may be fitted with a lockable door.

3.2 Temperature Readout

The unit is fitted with suction and discharge refrigerant temperature sensors. The sensor readings may be viewed on the controller display.

3.3 Pressure Readout

The unit may be fitted with suction and discharge pressure gauges, suction and discharge transducers, or no pressure readout. The transducer readings may be viewed on the controller display.

3.4 Compressor

The unit is fitted with a single speed reciprocating compressor.

3.5 Condenser Coil

The unit is fitted with a two-row square formed condenser coil using 7mm tubing.

3.6 Evaporator

The evaporator section is equipped with a hermetic thermal expansion valve (TXV) and a heat exchanger. The unit has six heaters.

3.7 Evaporator Fan Operation

Units are equipped with three-phase evaporator fan motors. Opening of an evaporator fan internal protector will shut down the unit.

3.8 Plate Set

Each unit is equipped with a tethered set of wiring schematic and wiring diagram plates. The plate sets are ordered using a seven digit base part number and a two-digit dash number.

4 OPTION DESCRIPTIONS

Various options may be factory or field equipped to the base unit. These options are described in the following sub-paragraphs.

4.1 Battery

The refrigeration controller may be fitted with standard replaceable batteries or a rechargeable battery pack. Rechargeable battery packs may be fitted in the standard location or in a secure location.

4.2 Dehumidification

The unit may be fitted with a humidity sensor. This sensor allows setting of a humidity set point in the controller. In dehumidification mode the controller will operate to reduce the internal container moisture level.

4.3 USDA

The unit may be supplied with fittings for additional temperature probes which allow recording of USDA Cold Treatment data by the integral DataCORDER function of the Micro-Link refrigeration controller.

4.4 Interrogator

Units that use the DataCORDER function are fitted with interrogator receptacles for connection of equipment to download the recorded data. Two receptacles may be fitted; one is accessible from the front of the container and the other mounted inside the container (with the USDA receptacles).

4.5 Remote Monitoring

The unit may be fitted with a remote monitoring receptacle. This item allows connection of remote indicators for COOL, DEFROST and IN RANGE. Unless otherwise indicated, the receptacle is mounted at the control box location.

INTRODUCTION – Continued

4.6 Communications Interface Module

The unit may be fitted with a communications interface module. The communications interface module is a slave module which allows communication with a master central monitoring station. The module will respond to communication and return information over the main power line. Refer to the ship master system technical manual for further information.

4.7 Autotransformer

An autotransformer may be provided to allow operation on 190/230, 3phase, 50/60 hertz power. The autotransformer raises the supply voltage to the nominal 380/460 volt power required by the base unit. The autotransformer may also be fitted with an individual circuit breaker for the 230 volt power.

If the unit is fitted with an autotransformer and communications module, the autotransformer will be fitted with a transformer bridge unit (TBU) to assist in communications.

4.8 Gutters

Rain gutters may be fitted over the control box to divert rain away from the controls.

4.9 Handles

The unit may be equipped with handles to facilitate access to stacked containers.

4.10 Thermometer Port

The unit may be fitted with ports in the front of the frame for insertion of a thermometer to measure supply and/or return air temperature. If fitted, the port(s) will require a cap and chain.

4.11 Back Panels

Aluminum back panels may have access doors and/or hinge mounting.

4.12 460 Volt Cable

Various power cable and plug designs are available for the main 460 volt supply. The plug options tailor the cables to each customer's requirements.

4.13 230 Volt Cable

Units equipped with an autotransformer require an additional power cable for connection to the 230 volt source. Various power cable and plug designs are available. The plug options tailor the cables to customer requirements.

4.14 Cable Restraint

Various designs are available for storage of the power cables. These options are variations of the compressor section front cover.

4.15 Upper Air (Fresh Air Make Up)

The unit may be fitted with an upper fresh air makeup assembly. The fresh air makeup assembly is available with a Vent Positioning Sensor (VPS) and may also be fitted with screens.

4.16 Lower Air (Fresh Air Make Up)

The unit may be fitted with a lower fresh air makeup assembly. The fresh air makeup assembly is available with a vent positioning sensor (VPS) and may also be fitted with screens.

4.17 Labels

Safety Instruction and Function Code listing labels differ, depending on the options installed. Labels available with additional languages are listed in the parts list.

4.18 Display Module

The unit may be fitted with a backlit Liquid Crystal Display (LCD) or a Light Emitting Diode (LED) Display.

4.19 Controller

Two different controllers are available:

1. Remanufactured - Controller is the equivalent of a new OEM controller and is supplied with a 12 month warranty.
2. Repaired - Controller has had previous faults repaired and upgraded with the latest software.

NOTE: Repaired controllers are NOT to be used for warranty repairs only full OEM Remanufactured controllers are to be used.

Controllers will be factory equipped with the latest version of operational software, but will NOT be configured for a specific model number and will need to be configured, at the time of installation or sale.

4.20 Condenser Grille

Condenser grilles are direct bolted.

4.21 Emergency Bypass

The optional Emergency Bypass switch (EB) functions to bypass the controller in the event of controller failure.

INTRODUCTION – Continued

4.22 eAutoFresh

The optional eAutoFresh venting system moderates the atmospheric level inside the container unit in response to cargo respiration.

4.23 Arctic Mode

To improve operation in cold ambients, the unit may be fitted with a crankcase heater. The crankcase heater is operated any time the unit is under power and the compressor is not running. The purpose of the heater is to warm the compressor oil and boil off any liquid refrigerant that may be present in the crankcase.

4.24 Controlled Atmosphere

Controlled atmosphere units may be fitted with the TransFresh or the complete Carrier Transicold EverFresh option.

For information on the TransFresh system, contact TransFresh Corporation, P.O. Box 1788, Salinas CA 93902

The EverFresh option is the addition of the Carrier Transicold EverFresh controlled atmosphere system. This system continuously monitors and controls oxygen and carbon dioxide levels in the container.

Ordering Instructions

All orders and inquiries for parts must include: Parts Identification Number (**PID**), Model Number, Unit Serial Number, Part Number, Description of part as shown on list and Quantity required. Address all correspondence for parts to the following address:

CARRIER TRANSICOLD DIVISION
Replacement Components Group, TR-20
P.O. Box 4805, Syracuse, New York 13221
or FAX to: (315) 432-3778

Letter Designations

The following letter designations are used to classify parts throughout this list:

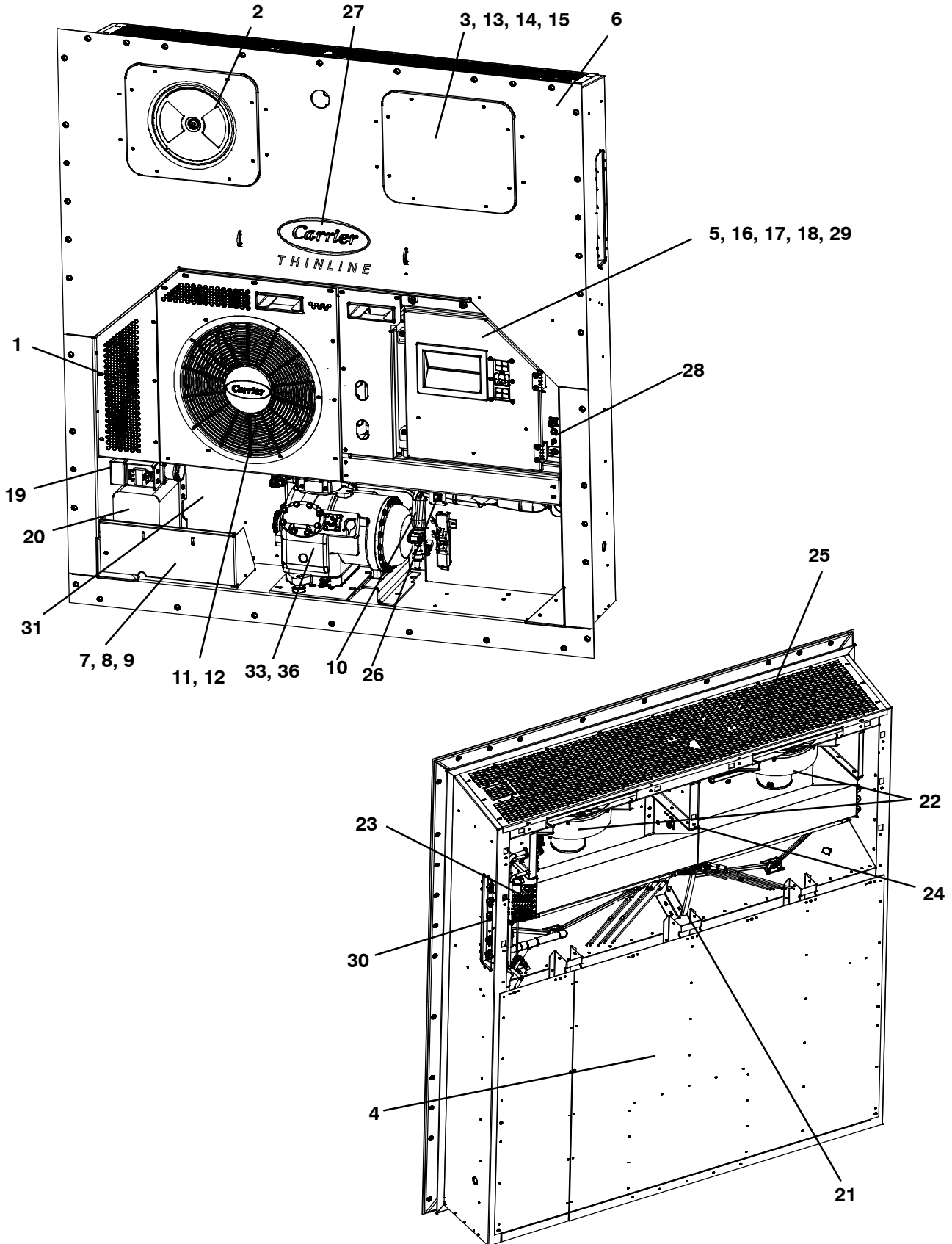
A/R	=	<i>As Required</i>
N/A	=	<i>Not Available</i>
NS	=	<i>Not shown in illustration</i>
NSS	=	<i>Not sold separately</i> - Order next higher assembly or kit
PID	=	<i>Parts Identification Number</i> - essential to identify unit configuration.
PL	=	<i>Purchase Locally</i>
SST	=	<i>Stainless Steel</i> - 300 Series unless otherwise specified.
SV	=	<i>Suffix SV</i> - added to part number designates service replacement part.

1 QUICK LIST – CLAMPS, FILTER-DRIER, FUSE, TY-RAPS, WIRE TERMINALS & REPLACEMENT FRAMES

PART NO.	DESCRIPTION
34-00373-51	Clamp, Tube, 1/4 – SST
34-00373-53	Clamp, Tube, 3/8 – SST
34-00373-05	Clamp, Tube, 1/2 – SST
34-00373-07	Clamp, Tube, 5/8 – SST
34-00373-59	Clamp, Tube, 3/4 – SST
34-00373-11	Clamp, Tube, 7/8 – SST
34-00373-65	Clamp, Tube, 1-1/8 – SST
34-00373-88	Clamp, Tube, 1-1/4 – SST
34-00373-69	Clamp, Tube, 1-3/8 – SST
34-00373-71	Clamp, Tube, 1-1/2 – SST
22-00066-01	Connector, Butt End, Wire Range – 22 to 16 AWG
22-00066-02	Connector, Butt End, Wire Range – 16 to 14 AWG
22-00066-03	Connector, Butt End, Wire Range – 12 to 10 AWG
22-00041-00	Connector, Closed End, Wire Range – 22 to 14 AWG
22-00041-02	Connector, Closed End, Wire Range – 18 to 10 AWG
14-00341-07	Filter Drier 1/2 Flare, "O" Ring
14-00341-11	Filter Drier Aluminum Coated, 1/2 Flare, "O" Ring
22-02336-02	Fuse, 5 Amp (F1, F2, & FED)
22-02336-04	Fuse, 10 Amp (FEB)
22-02336-08	Fuse, 7.5 Amp (F3A & F3B)
22-01140-01	Ring Terminal, #6, Wire Range – 12 to 10 AWG
22-01140-02	Ring Terminal, #10, Wire Range – 12 to 10 AWG
22-01140-04	Ring Terminal, 3/8, Wire Range – 12 to 10 AWG
22-00119-04	Ring Terminal, 1/4, Wire Range – 12 to 10 AWG
22-00120-04	Ring Terminal, #10, Wire Range – 16 to 14 AWG
22-00120-07	Ring Terminal, 5/16, Wire Range – 16 to 14 AWG
22-00121-07	Ring Terminal, #10, Wire Range – 22 to 16 AWG
22-01139-04	Ring Terminal, 3/8, Wire Range – 16 to 14 AWG
22-01141-01	Spade Terminal, 1/4 x 5/16, Wire Range – 16 to 14 AWG
22-00595-01	Spade Terminal, 3/8, Wire Range – 12 to 10 AWG
22-01106-00	Spiral Wrap, 1/4 Diameter x 25 ft. lg.
22-01107-00	Spiral Wrap, 1/2 Diameter x 25 ft. lg.
66U1-3803	Tube, Heat Shrink, 1/4 ID x 2-1/8 lg.
66U1-3803-1	Tube, Heat Shrink, 1/2 ID x 2-3/4 lg.
44-01043-05	Ty-Raps, 5-1/2 inches lg.
44-01043-07	Ty-Raps, 11.00 inches lg.
22-50007 Series	Wire Markers
07-00345-00	Sealant, Pipe (Used to seal fittings on unit with R-134a)
07-00313-00	Cleaner, Coil
76-00397-01	Paint, Compressor Touch-Up, Blue

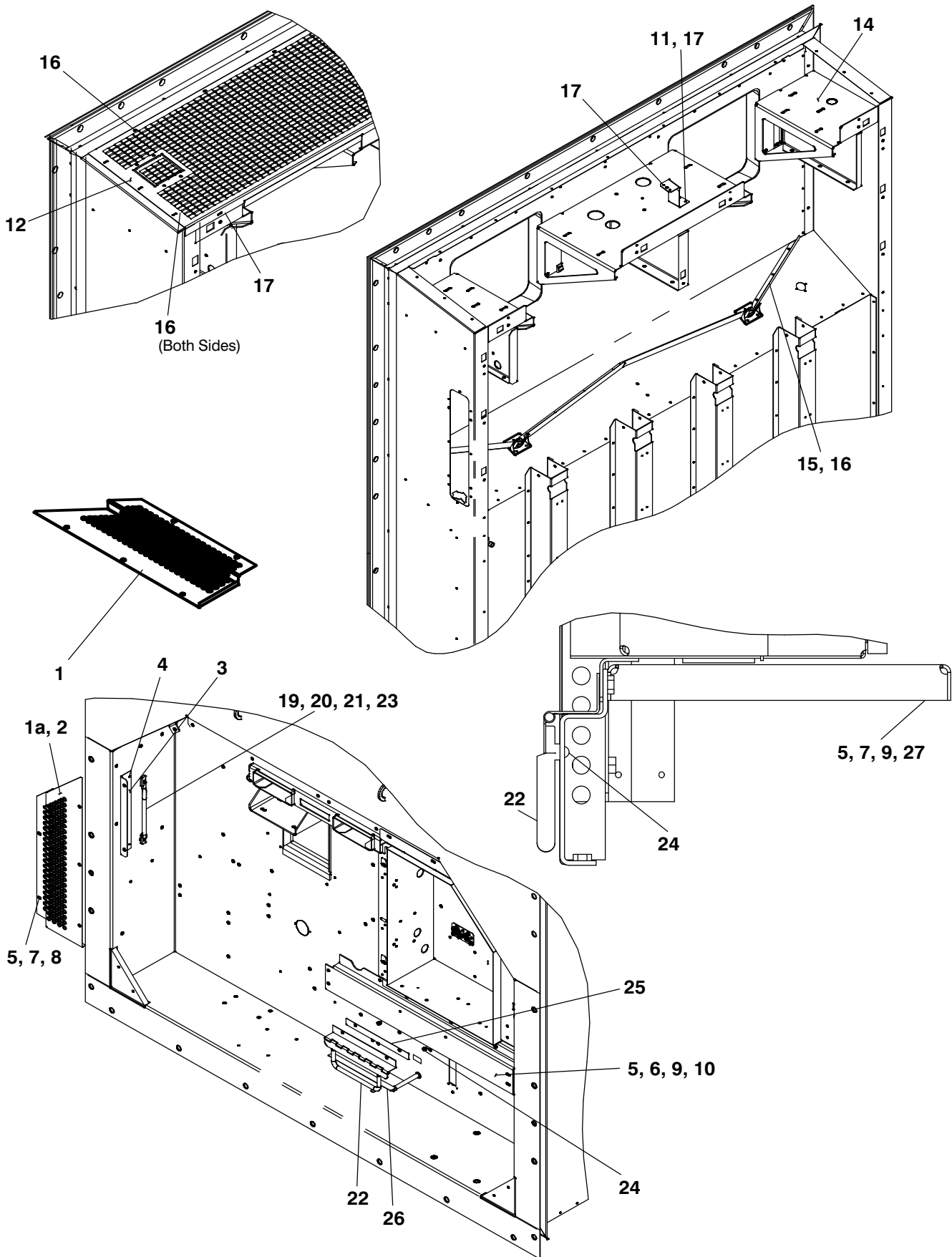
2 REFRIGERATION UNIT ASSEMBLY

2.1 REFRIGERATION UNIT - AREA LOCATOR



2.1 REFRIGERATION UNIT – AREA LOCATOR		
Item	Section Number	Area Description
1	Refer to Section 2.2	AIR EXCHANGE KIT, LOWER, NONE, HANDLE
2	Refer to Section 2.3	UPPER FRESH AIR – VPS Panel
3	Refer to Section 2.4	UPPER FRESH AIR – Blank Panel
4	Refer to Section 2.5	BACK PANEL KIT
5	Refer to Section 2.6	BOX PREP KIT
6	Refer to Section 2.7	BULKHEAD PENETRATION – UPPER AIR EXCHANGE
7	Refer to Section 2.8	CABLE ASSEMBLY
8	Refer to Section 2.9	CABLE KIT
9	Refer to Section 2.10	CABLE RESTRAINT COMPONENTS
10	Refer to Section 2.11	COMPRESSOR TUBE KIT
11	Refer to Section 2.12	CONDENSER KIT
12	Refer to Section 2.13	CONDENSER FAN KIT
13	Refer to Section 2.14	eAutoFresh PANEL ASSEMBLY
14	Refer to Section 2.15	CONTROLLED ATMOSPHERE – TRANSFRESH
15	Refer to Section 2.16	EVERFRESH PANEL ASSEMBLY
16	Refer to Section 2.17	CONTROLLER KIT
17	Refer to Section 2.18	CONTROLLER MODULE SECTION AND SOFTWARE CARDS
18	Refer to Section 2.19	CONTROLLER DOOR KIT
19	Refer to Section 2.20	DRAIN
20	Refer to Section 2.21	AUTOTRANSFORMER
21	Refer to Section 2.22	HEATER KIT
22	Refer to Section 2.23	EVAPORATOR FAN AND MOTOR KIT
23	Refer to Section 2.24	EVAPORATOR KIT
24	Refer to Section 2.25	FRAME KIT
25	Refer to Section 2.26	HUMIDISTAT KIT
26	Refer to Section 2.27	INTERROGATE KIT
27	Refer to Section 2.28	LABEL KIT
28	Refer to Section 2.29	PANEL KIT
29	Refer to Section 2.30	RMU KIT
30	Refer to Section 2.31	USDA KIT
31	Refer to Section 2.32	VACUUM RELIEF VALVE
32	Refer to Section 2.33	WIRING KIT (Not Shown)
33	Refer to Section 2.34	COMPRESSOR MOUNTING, GUARD, CRANKCASE HEATER COMPONENTS
34	Refer to Section 2.35	WIRING ASSEMBLY, HIGH VOLTAGE HARNESS (Not Shown)
35	Refer to Section 2.36	HARNESS – LOW VOLTAGE (Not Shown)
36	Refer to Section 4	COMPRESSOR ASSEMBLY

2.2 AIR EXCHANGE KIT, LOWER, NONE, HANDLE

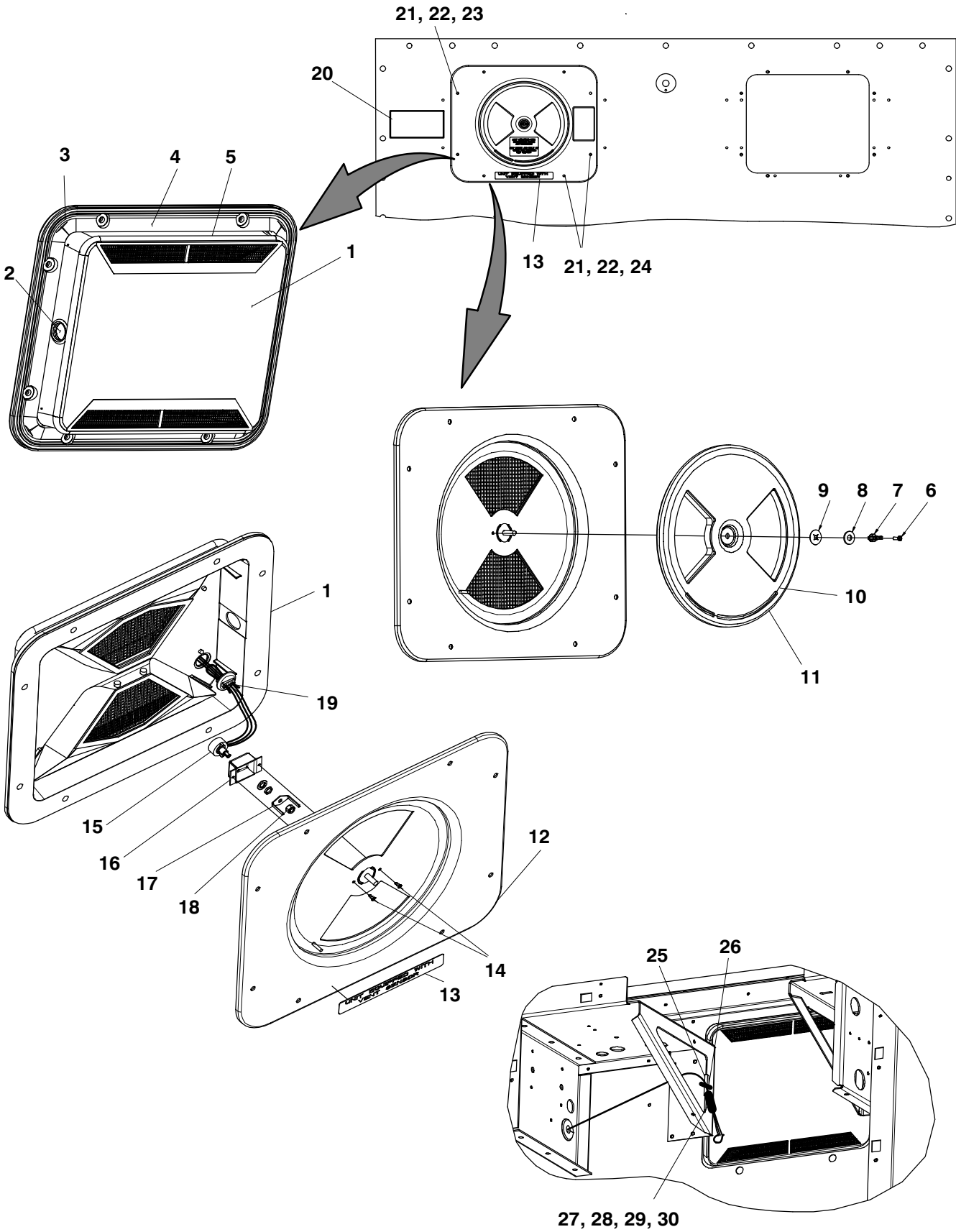


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2.2 AIR EXCHANGE KIT, LOWER, NONE, HANDLE (Continued)			
Item	Part Number	Description	Qty
1	68-17044-00	Panel Blue with handles	1
	68-17044-01	Panel White with handles	1
1a	68-17037-00	Panel Blue	1
	68-17037-01	Panel White	1
2	42-00465-01	Gasket (Same for both panels)	1
3	68-17118-00	Bracket	1
4	34-00928-20	Rivet, Blind	2
5	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	11
6	68-17129-02	Cover	1
7	34-06053-18	Washer, Retaining .250 ID X 1.000 OD	6
8	66U1-5321-3	Washer, Plain 1/4 N Type A	5
9	66U1-5321-7	Washer, Plain 1/4 W Type A	4
10	34-06053-00	Washer .250 ID X .800 OD	4
11	68-16521-00	Bracket	1
12	68-16695-00	Grille	1
13	68-17344-00	Panel	1
14	68-16697-00	Fan Deck	1
15	68-17188-00	Gutter	1
16	34-00928-07	Rivet, Blind	16
17	34-00928-09	Rivet, Blind	8
18	68-17200-00	Channel	1
19	69NT35-8113	Handle	1
20	34-00792-07	Screw, Cap Hex Head 5/16-18 X 0.88	2
21	66U1-5331	Washer, Lock 5/16 Spring	2
22	69NT40-657-4	Handle Assembly	1
23	34-06053-15	Washer	2
24	58-04480-00	Bumper, Rubber	2
25	58-04910-06	Protector	1
26	58-04910-07	Protector	1
27	86-05078-00	Bracket	1

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2.3 UPPER FRESH AIR – VPS Panel



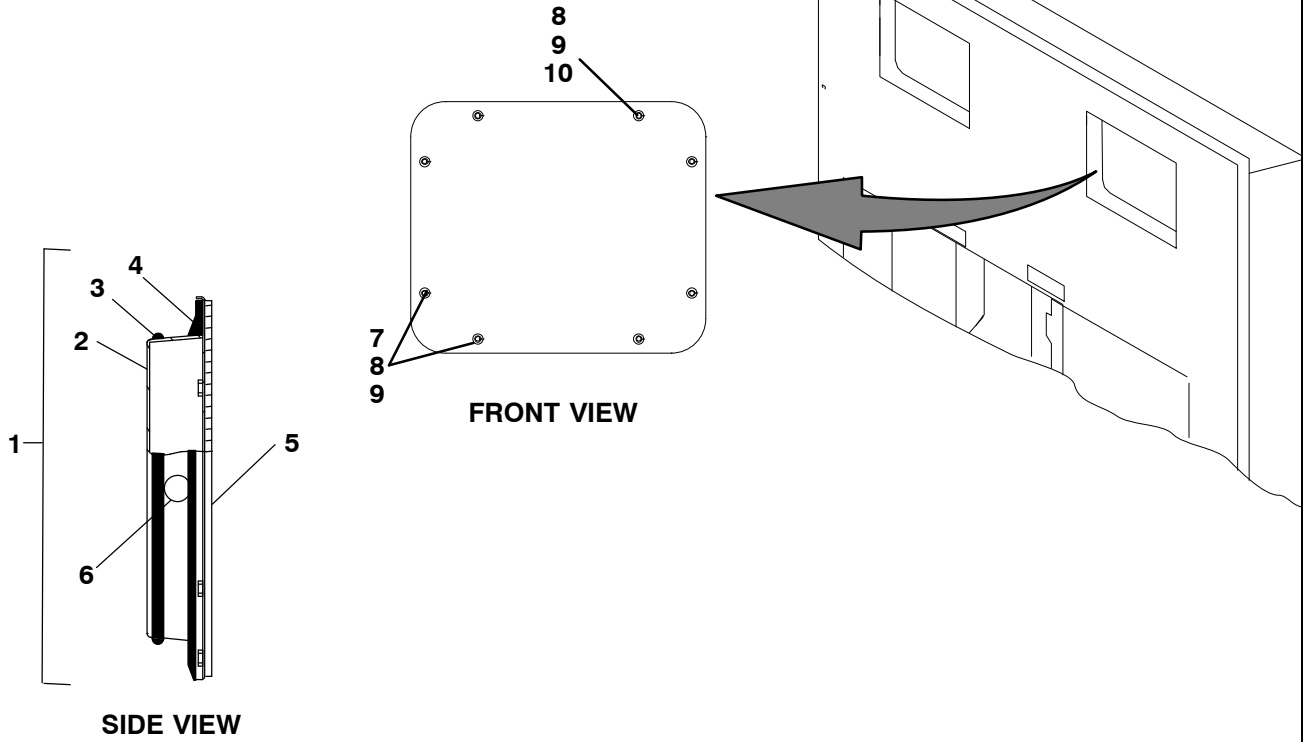
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2.3 UPPER FRESH AIR – VPS Panel (Continued)

Item	Part Number	Description	Qty
1	79-66626-00	Upper Air Panel Assembly, Access, White – Includes:	1
2	66U1-5562-2	Plug Button, 1.25 Inch Diameter Hole	1
3	68-12940-05	Cover, Top, Evaporator Access Panel, White	1
4	42-00296-01	Gasket, Evaporator Access Panel	1
5	42-00327-00	Gasket, 0.26 X 0.50 Half-Round	1
6	34-06185-01	Screw, Pan Head, #8-32 X 0.50 with Nylock	1
7	66U1-5362-2	Nut, Wing, 5/16-18, SST	1
8	66U1-5321-13	Washer, Plain 5/16 W Type A, SST	1
9	34-06053-19	Washer, Mylar 1.00 OD X 0.312 ID	1
10	42-00407-00	Gasket, 0.50 Fresh Air Disc	1
11	68-12933-07	Disc, 12.35 Inch Diameter, White	1
12	58-04376-05	Panel	1
13	62-10930-00	Label VPS	1
	76-66615-00	Upper VPS Sensor Replacement Includes:	1
14	34-00928-20	Rivet	2
	79-66703-00	Sensor Kit Includes:	2
15	12-00603-02	Sensor Rotary Position	2
16	68-14815-00	Bracket, Sensor .063 Thick Aluminum	2
17	68-14903-00	Plate	1
18	34-66622-05	Nut, Self Lock	2
NS	58-66646-00	Plate	2
19	22-66681-00	Wire Harness Resettable Fuse Assembly	2
20	62-66723-00	Label Fresh Air	1
21	34-06053-13	Washer, Mylar, 1/4 ID X 0.80 OD	8
22	34-06212-12	Washer, Flat, 1/4, SST	8
23	34-00655-08	Screw, Hex Head, 1/4-20 X 1.00 Inch Long	6
24	34-06154-00	Screw, Hex Head, 1/4-20 X 1.00 Inch Long – TIR	2
25	66CH1-1172-2	Trim, Flexible 2.00 Inches Long	1
26	58-00969-00	Wire Tie 2.80 Inch Diameter, Double Loop	1
27	22-01613-10	Plug, 4-Pin	1
28	22-01613-13	Contact, Socket #16	3
29	22-01613-11	Lock, 4-Pin – Secondary	1
30	22-01660-08	Plug, 0.12 Inch Diameter X 0.58	1

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2.4 UPPER FRESH AIR – Blank Panel

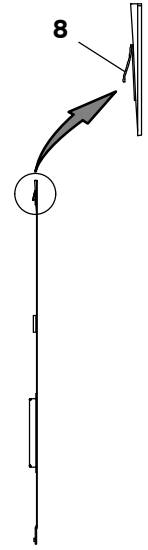
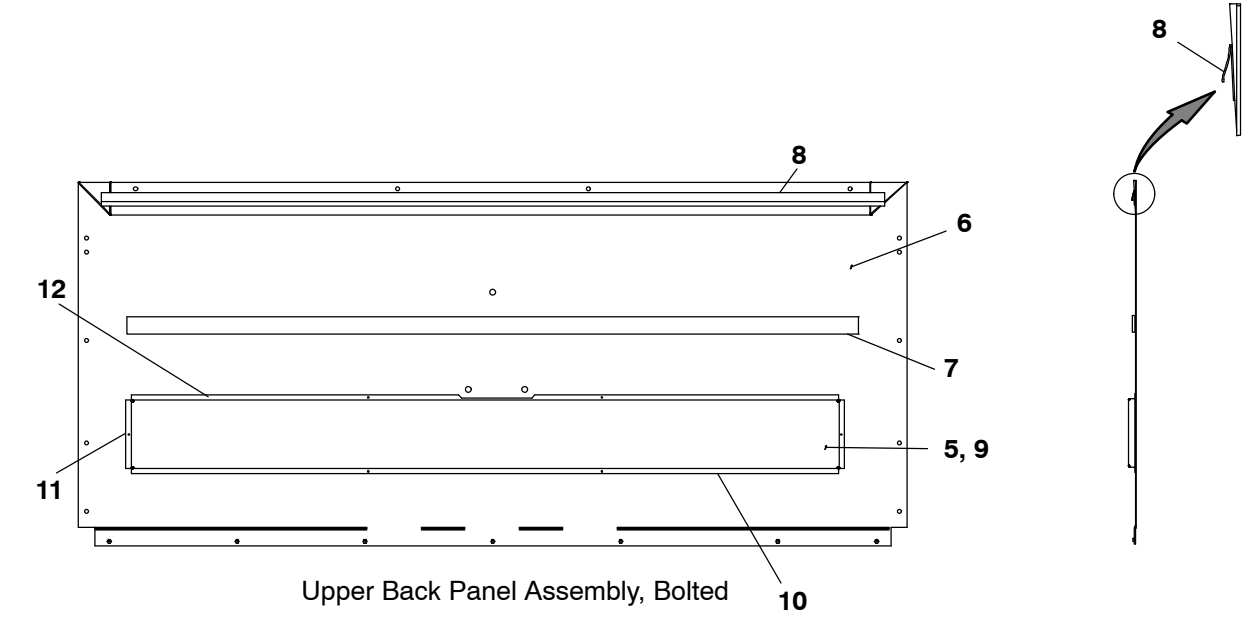
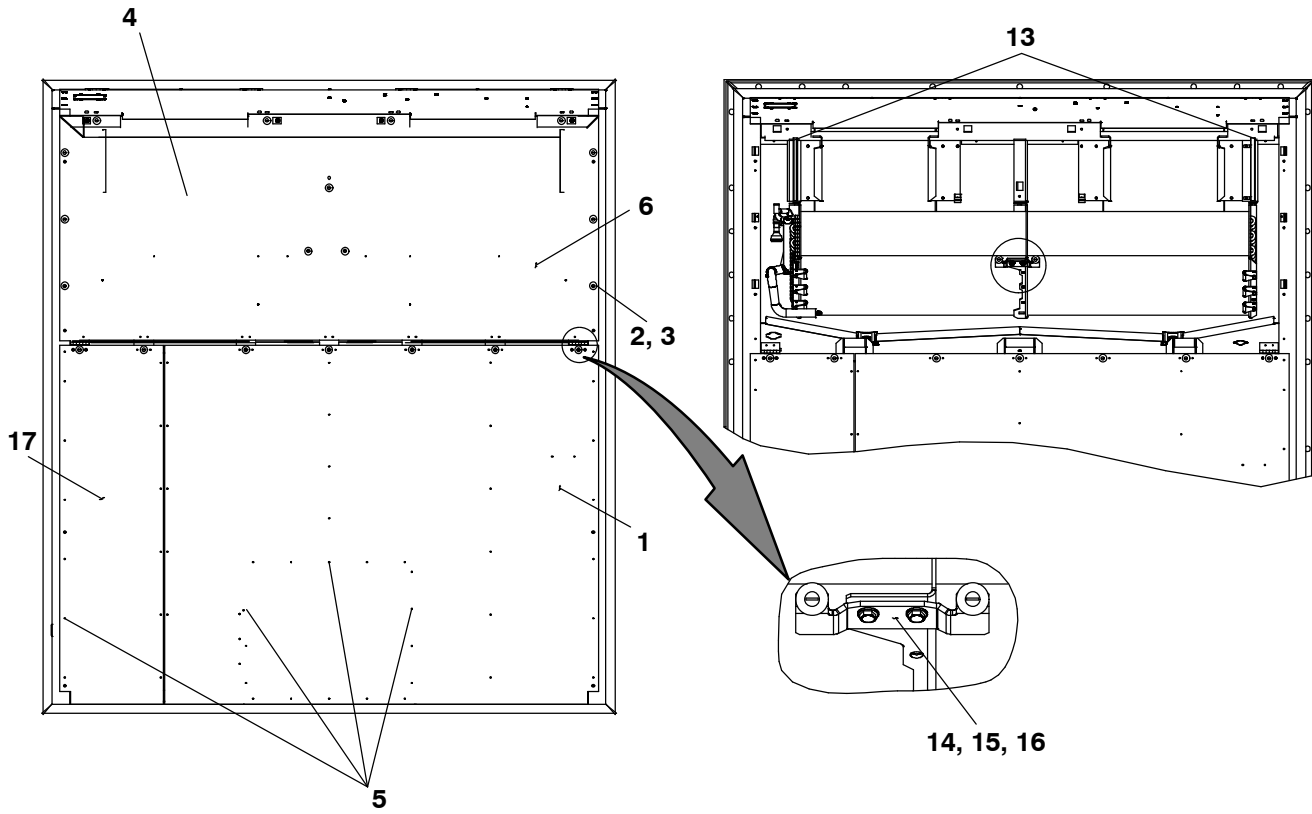


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2.4 UPPER FRESH AIR – Blank Panel (Continued)			
Item	Part Number	Description	Qty
1	79-01697-06SV	Panel Assembly, Access, Evaporator, White – Includes:	A/R
2	58-04378-01	Panel, Access	1
3	42-00327-00	Gasket, 0.26 X 0.50 Half-Round	1
4	42-00296-01	Gasket, Evaporator Access Panel	1
5	68-11989-00	Cover, Top, Evaporator Access Panel, White	A/R
6	66U1-5562-2	Plug Button	1
7	34-06154-00	Screw, Hex Head, 1/4-20 X 1.00 Inch Long – TIR	A/R
8	34-06053-13	Washer, Mylar	8
9	34-06212-12	Washer, Plain, 1/4	8
10	34-00655-08	Screw, Hex Head, 1/4-20 X 1.00 Inch Long	A/R

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2.5 BACK PANEL KIT

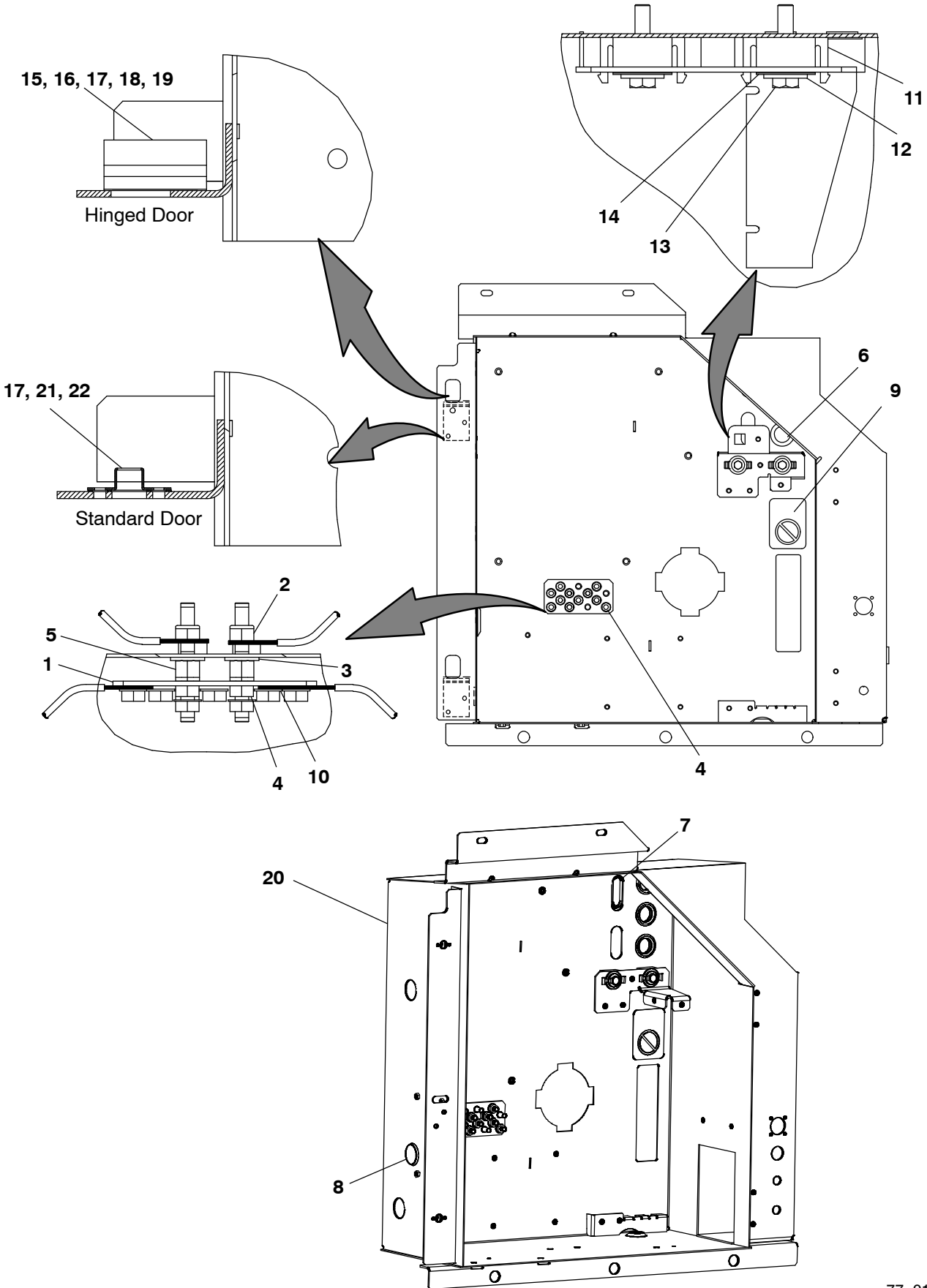


77-01692

2.5 BACK PANEL KIT (Continued)			
Item	Part Number	Description	Qty
1	68-17336-00	Panel, Back	1
2	69NT35-2692	Washer, Fender #10-.993-1.015 OD	20
3	66U1-2403	Screw, Machine #10-24 X .500 Sld	20
4	79-04045-00	Upper Back Panel Assembly Includes:	1
5	34-00928-20	Rivet, Blind	6
6	68-17293-00	Panel Assembly, Back	1
7	42-00174-34	Gasket	1
8	42-00334-00	Gasket	1
9	68-17337-00	Shield, Heat	1
10	42-00174-110	Gasket	1
11	42-00174-111	Gasket	2
12	42-00174-116	Gasket	1
13	66U1-2593-4	Gasket "V" Type	2
14	34-00655-04	Screw, Cap Hex Head 1/4-20 X 0.50	2
15	66U1-5321-3	Washer, Plain 1/4 N Type A	2
16	68-17175-00	Bracket 0.188 Thick Aluminum	1
17	68-17338-00	Panel, Back	1

77-01692-00

2.6 BOX PREP KIT



77-01693

2.6 BOX PREP KIT (Continued)**BOX PREP KIT, COMMON PARTS**

Item	Part Number	Description	Qty
1	68-86230-00	Strap Assembly Ground, All Populated	1
2	34-00667-11	Nut, Self Lock	2
3	66U1-5321-3	Washer, Plain 1/4 N Type A	2
4	AT39JA171	Nut, Hex	13
5	66U1-9592-13	Standoff 1/4-20 X 0.375	2
6	58-00701-03	Plug, Button	3
7	58-04680-00	Plug, Button	1
8	66U1-5562-7	Plug, Button	1
9	62-10911-00	Label, Warning M13 Only !	1
10	AU27JR171	Washer, Lock 1/4	11
11	58-00967-00	Spacer Locking	2
12	66U1-5321-7	Washer, Plain 1/4 W Type A	2
13	34-00655-10	Screw, Cap Hex Head 1/4-20 X 1.25	2
14	34-06053-03	Washer .250 ID X 1.000 OD	4
15	68-04910-08	Protector	1
16	34-00667-09	Self Lock Nut	1

BOX PREP KIT, HINGED PARTS

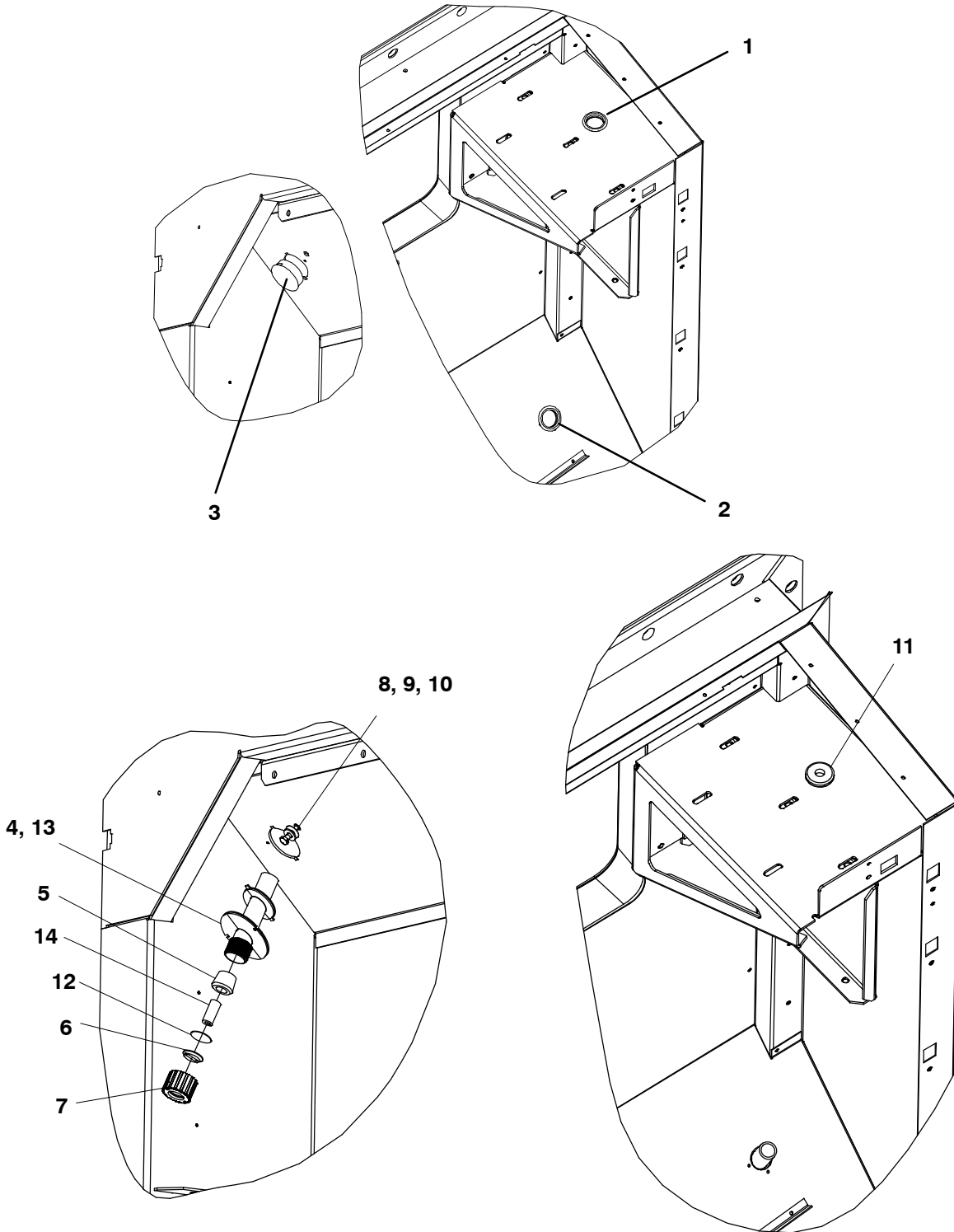
17	68-17316-00	Keeper	2
18	66U1-5371-7	Screw, Machine Hex Head #10-24 X .500	1
19	66U1-5321-8	Washer, Plain #10 Type A	1
20	86-05003-00	Control Box	1

BOX PREP KIT, STANDARD PARTS

17	34-01142-01	Receptacle	2
20	86-05003-00	Control Box	1
21	58-04026-32	Protector	2
22	34-00928-01	Rivet, Blind	2

77-01693-00,01

2.7 BULKHEAD PENETRATION – UPPER AIR EXCHANGE



77-01208

2.7 BULKHEAD PENETRATION – UPPER AIR EXCHANGE (Continued)**NO RECORDER, NO TRANSFRESH**

Item	Part Number	Description	Qty
1	66U1-5562-12	Plug, Button 1.25 Diameter Hole	1
2	66U1-5562-2	Plug, Button 1.25 Diameter Hole	1
3	58-00616-00	Plug, Hole 2.00 Diameter X .12	1

RECORDER PROVISION

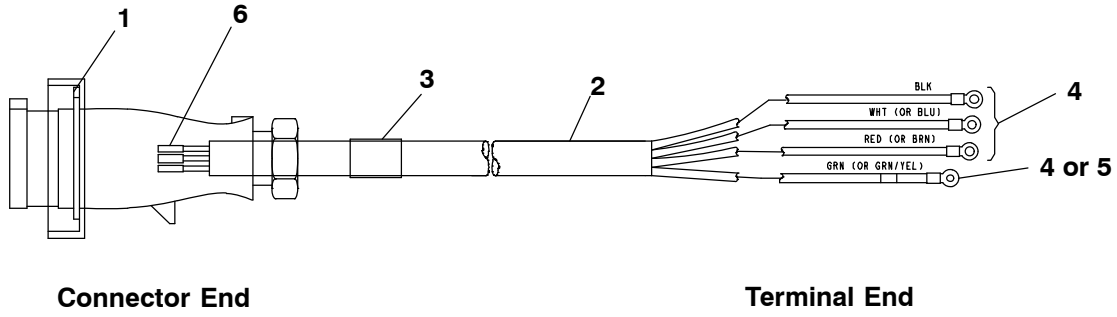
4	58-04290-01	Fitting Bulkhead	1
5	22-01602-02	Bushing	1
6	22-01602-03	Ring	1
7	22-01733-01	Nut	1
8	34-06154-03	Screw, Cap Hex Head 1/4-20 X 1.00	1
9	34-06053-00	Washer .250 ID X .800 OD	1
10	66U1-5321-7	Washer, Plain 1/4 W Type A	1
11	66U1-5562-12	Plug, Button	1
12	69NT35-8258	Disc	1
13	34-00928-20	Rivet, Blind .1	5
14	58-04302-01	Grommet	1

TRANSFRESH INSTALLED

4	58-04290-01	Fitting Bulkhead	1
5	22-01602-02	Bushing	1
6	22-01602-03	Ring	1
7	22-01733-01	Nut	1
8	34-06154-03	Screw, Cap Hex Head 1/4-20 X 1.00	1
9	34-06053-00	Washer .250 ID X .800 OD	1
10	66U1-5321-7	Washer, Plain 1/4 W Type A	1
11	66U1-1571-14	Grommet	1
13	34-00928-20	Rivet, Blind	5
14	58-04302-01	Grommet	1

77-01208-00,03,04

2.8 CABLE ASSEMBLY



22-01879

2.8 CABLE ASSEMBLY (Continued)**460V CABLE ASSEMBLY**

Item	Part Number	Description	Qty
1	22-02378-00	Plug 4 Pole, 440V	1
2	22-66651-12	Cable Transicord Flexline	1
3	66U1-2583	Tube, Heat Shrink	1
4	22-00119-03	Terminal	3
5	22-00119-04	Terminal, Ring	1
6	22-02324-01	Bushing	4

460V CABLE ASSEMBLY

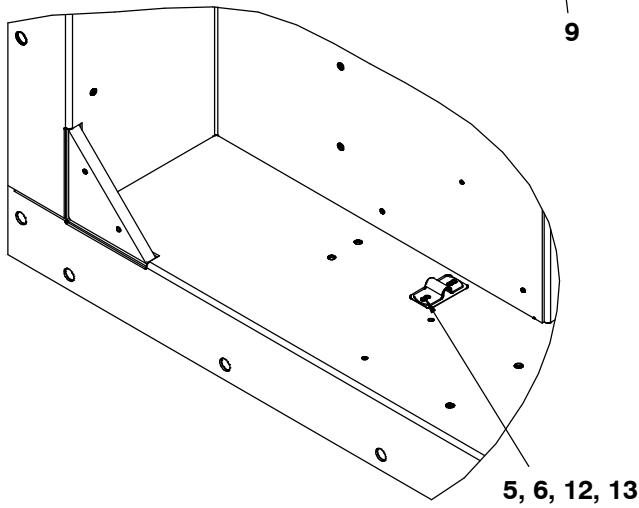
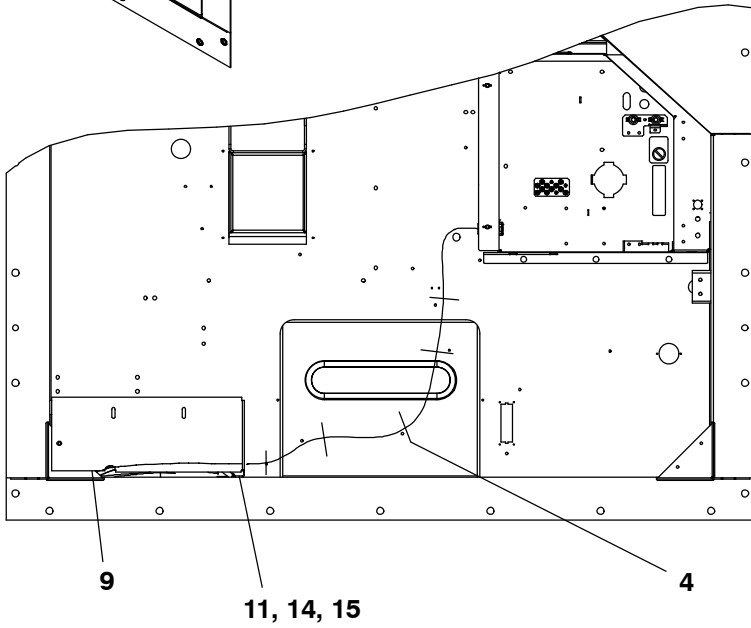
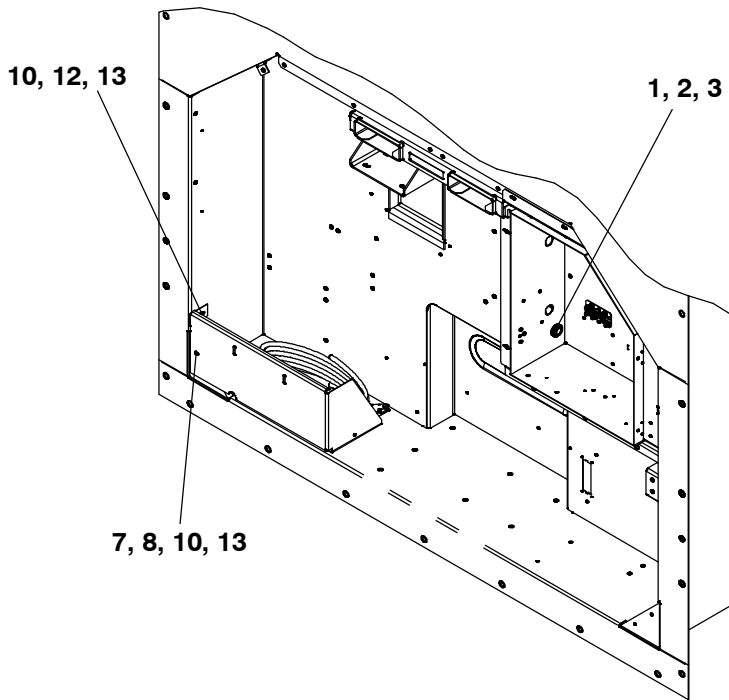
1	22-02378-00	Plug 4 Pole, 440V	1
2	22-66651-10	Cable Transicord Flexline	1
3	66U1-2583	Tube, Heat Shrink	1
4	22-00119-03	Terminal	3
5	22-00119-04	Terminal, Ring	1
6	22-02324-01	Bushing	4

230V CABLE ASSEMBLY

1	66U1-6782	Plug	1
2	22-01879-50	Cable Transicord Flexline	1

22-01879-33,31, 05

2.9 CABLE KIT

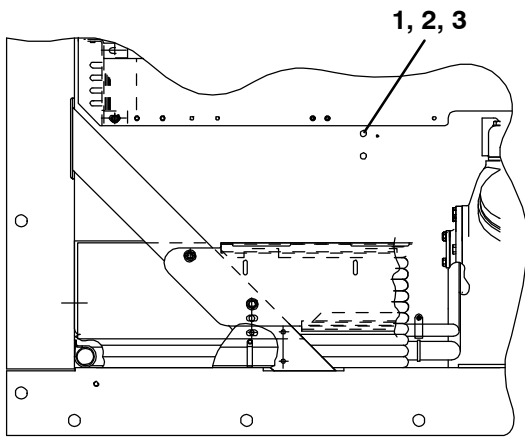


77-01661

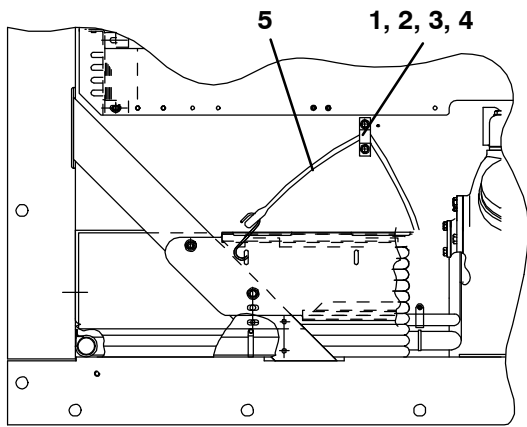
2.9 CABLE KIT (Continued)			
Item	Part Number	Description	Qty
1	66U1-7352-3	Connector Straight, Watertight	1
2	34-06136-01	Nut, Lock 3/4" Npt	1
3	66U1-1251-2	O-Ring 3/4 Hub Sealing	1
4	66U1-3882	Wire Tie 1/16-1-3/4 Self Locking	5
5	68-14456-01	Cable Clamp Cable Cutter 16 Gauge	1
6	58-04026-07	Protector	1
7	66U1-5361-11	Screw, Cap Hex Head 1/4-20 X 1.50	1
8	34-00667-11	Nut, Self Lock	1
9	68-17131-00	Guard	1
10	34-06053-00	Washer .250 ID X .800 OD	3
11	66U1-5371-6	Screw, Machine Hex Head #10-24 X 0.750 Sltd	2
12	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	3
13	66U1-5321-7	Washer, Plain 1/4 W Type A	5
14	66U1-5321-8	Washer, Plain #10 Type A	2
15	34-06053-05	Washer .205 ID X .600 OD	2

77-01661-00

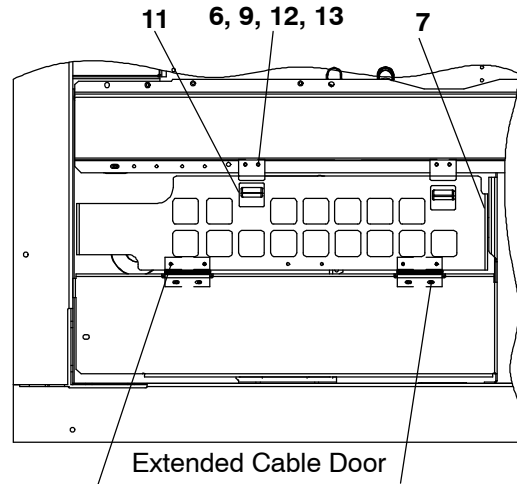
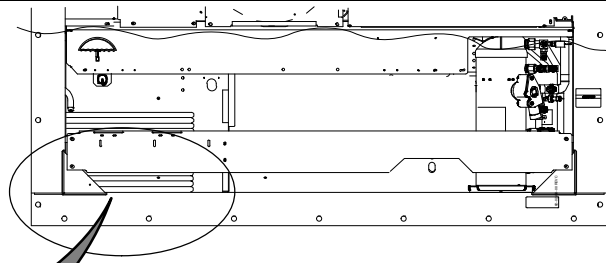
2.10 CABLE RESTRAINT COMPONENTS



Provision



Left Bungy W/Guard Extension



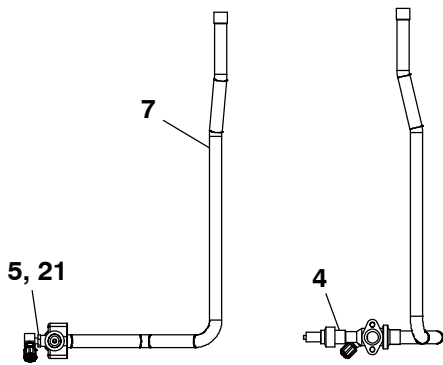
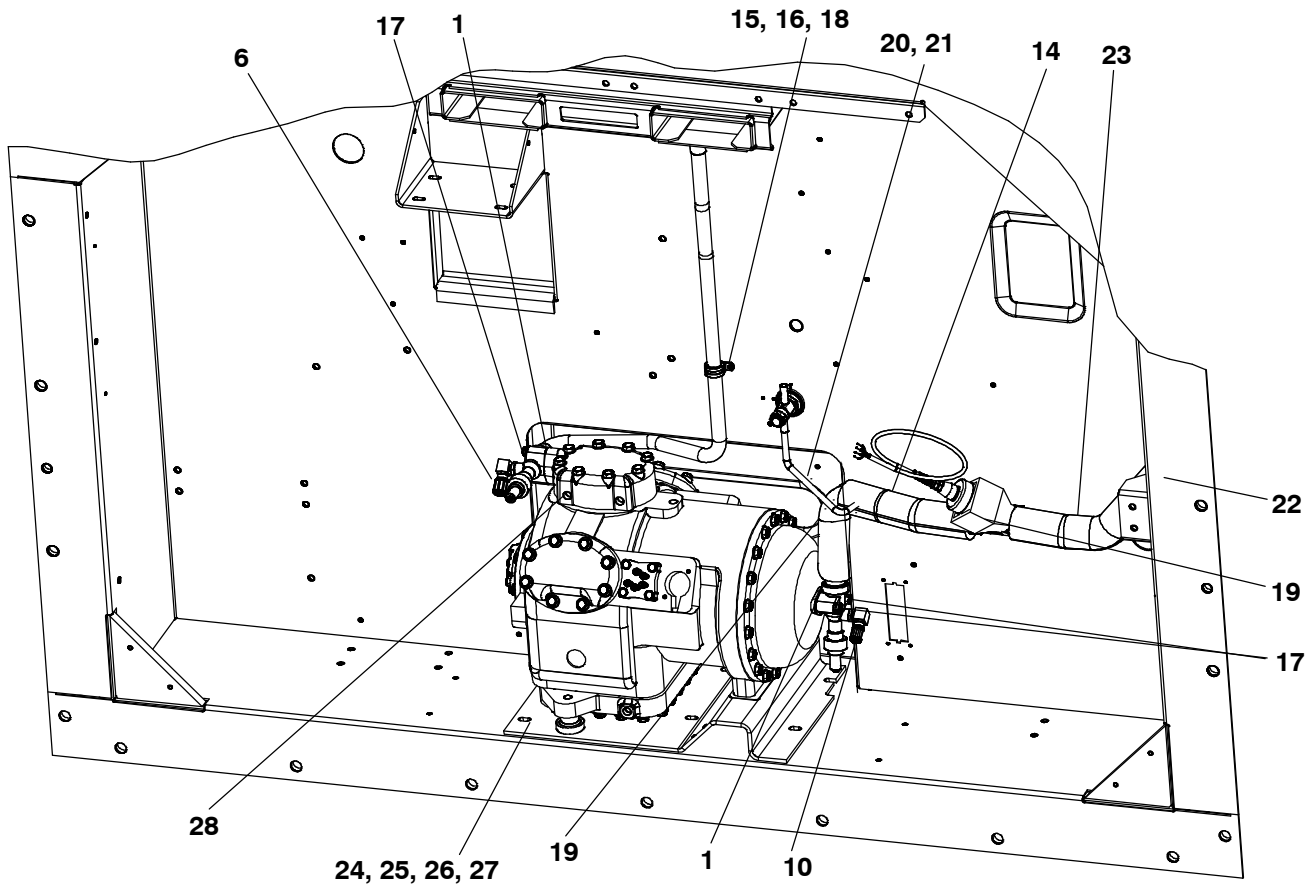
Extended Cable Door

69nt--43---379

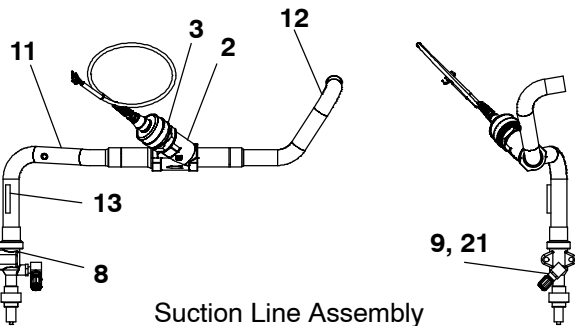
2.10 CABLE RESTRAINT COMPONENTS			
Item	Part Number	Description	Qty
1	66U1-5321-7	Washer, Flat, 1/4, SST	2
2	66U1-5361-25	Screw, Captive, Hex Head, 1/4-20 X 0.75 Inches Long, SST	2
3	34-06053-03	Washer, Mylar, 0.25 ID X 1.00 OD	2
LEFT BUNGY W/GUARD EXTENSION			
4	69NT35-5992	Strap 16 Gage	1
5	66U1-2603	Strap, Tie Down	1
EXTENDED CABLE DOOR			
6	66U1-5321-8	Washer, Plain #10 Type A	8
7	68-86255-00	Cover	1
8	66U1-5331-3	Washer, Lock #10 Spring	6
9	66U1-2403	Screw, Machine #10-24 X 0.500 Sltd	8
10	34-01167-01	Nut, Retainer #10-24 X 1.75	2
11	44-00401-00	Latch, Door Spring Loaded	2
12	68-13707-02	Latch	2
13	34-06053-05	Washer 0.205 ID X 0.600 OD	12
14	58-04001-01	Protector	2
15	44-00409-00	Hinge	2
16	58-04001-02	Protector	2
17	34-00928-13	Rivet, Blind	4

69nt-43-379

2.11 COMPRESSOR TUBE KIT



Discharge Line Assembly



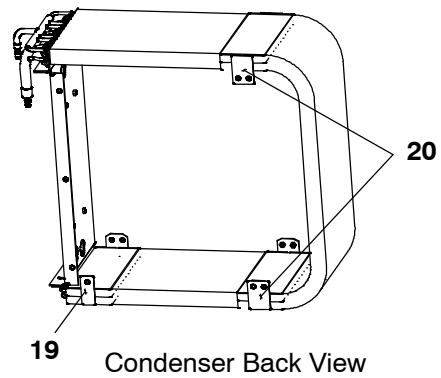
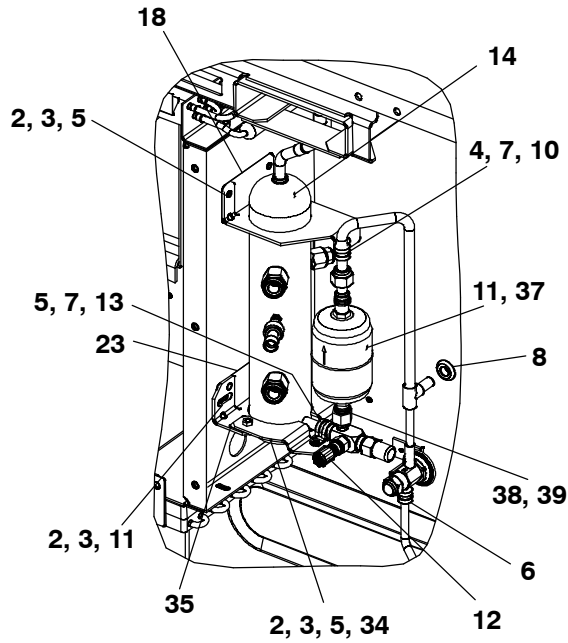
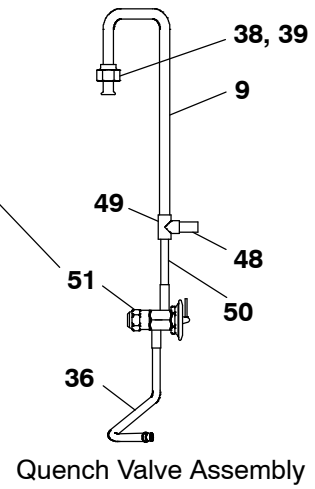
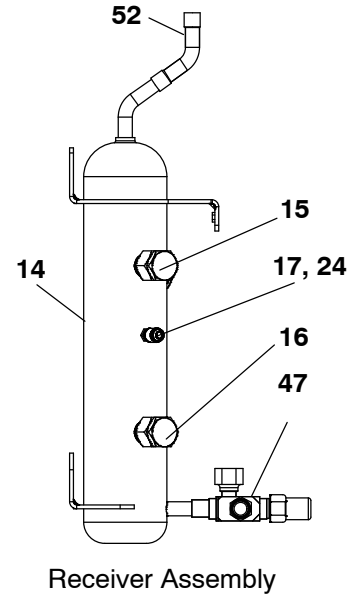
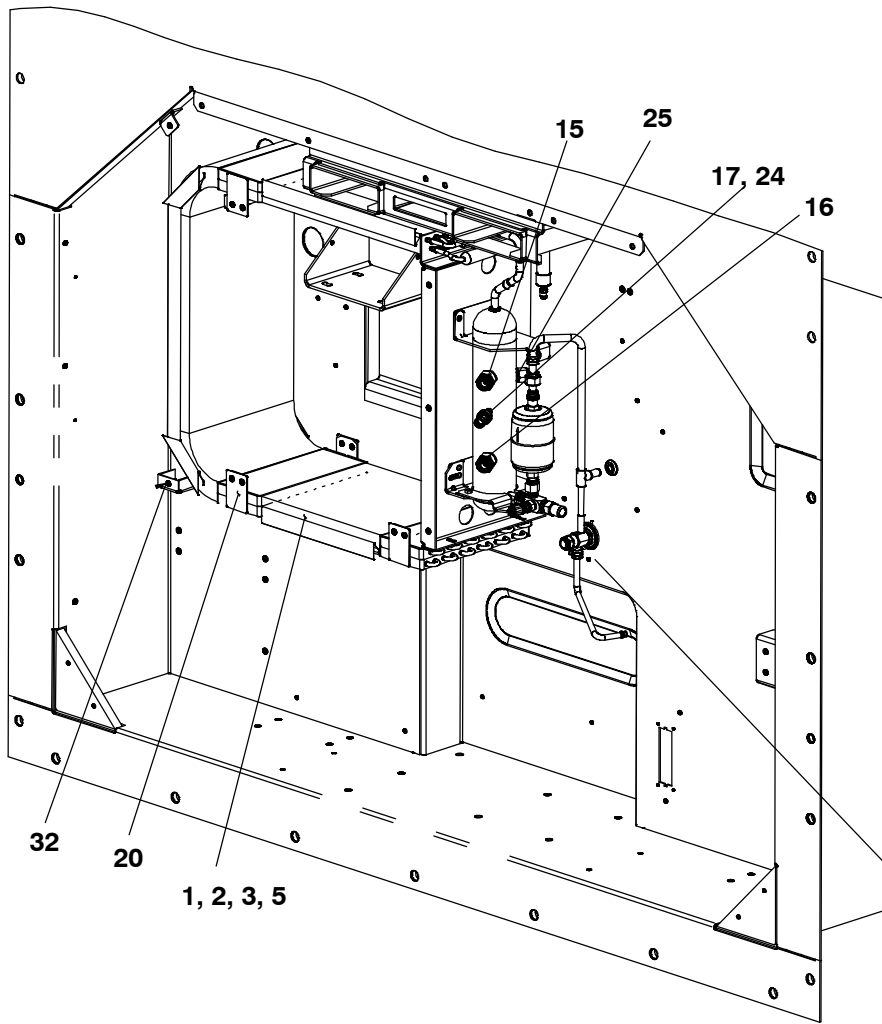
Suction Line Assembly

77-01604

2.11 COMPRESSOR TUBE KIT (Continued)			
Item	Part Number	Description	Qty
1	42-01084-00	Gasket Valve	2
2	14-00353-04	Valve, Suction Modulation (SMV)	1
3	14-00353-20	Piston Motor Assembly	1
4	14-00206-01	Valve, Discharge Service	1
5	40-00542-01	Elbow Adapter, High Press	1
6	40-00520-03	Cap	1
7	56-09024-00	Tube, Discharge 7/8 OD X .045	1
8	14-00206-00	Valve, Suction Service	1
9	40-00542-00	Elbow Adapter, Low Press	1
10	40-00520-02	Cap	1
11	56-66743-00	Tube, Suction 1.125 OD	1
12	56-08969-00	Tube, Suction 1-1/8 OD X .050	1
13	99TS0528CK002 000	Tube 5/16 OD X .028	1
14	42-00425-116	Insulation, Tube Pre-Taped	1
15	66U1-3632-20	Clamp, Tube Cushion	1
16	66U1-5371-6	Screw, Machine Hex Head #10-24 X 0.750	1
17	66U1-5361-46	Screw, Cap Hex Head 5/16-18 X 1.88	4
18	34-06053-03	Washer .250 ID X 1.000 OD	1
19	42-00032-11	Insulation .25 X 2.0 X 7.5	8
20	66U1-3882-3	Wire Tie 1/16-4.0	5
21	42-00425-129	Insulation, Tube	1
22	42-00032-12	Insulation .12 X 2.0 X 7.5	2
23	42-00425-128	Insulation, Tube	1
24	66U1-5361-7	Screw, Cap Hex Head 3/8-16 X 1.00	7
25	66U1-5321-5	Washer, Plain 3/8 N Type A	7
26	AU11JR241	Washer, Lock 3/8 Spring	7
27	34-06053-02	Washer .375 ID X 1.000 OD	14
28	12-00309-06	Switch, High Pressure	1

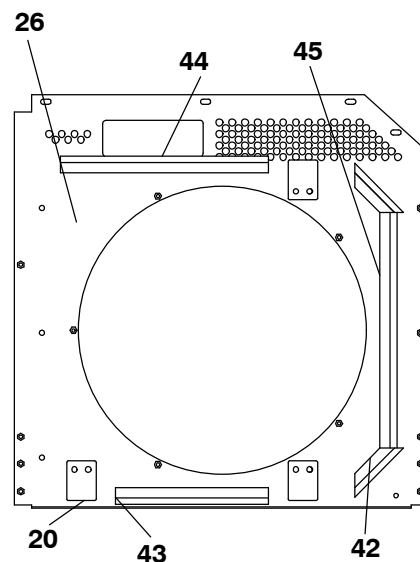
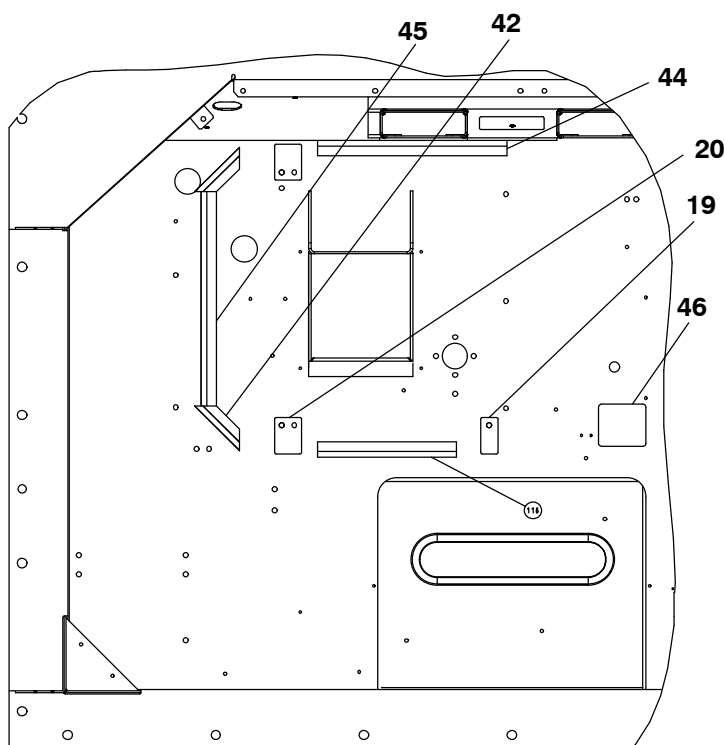
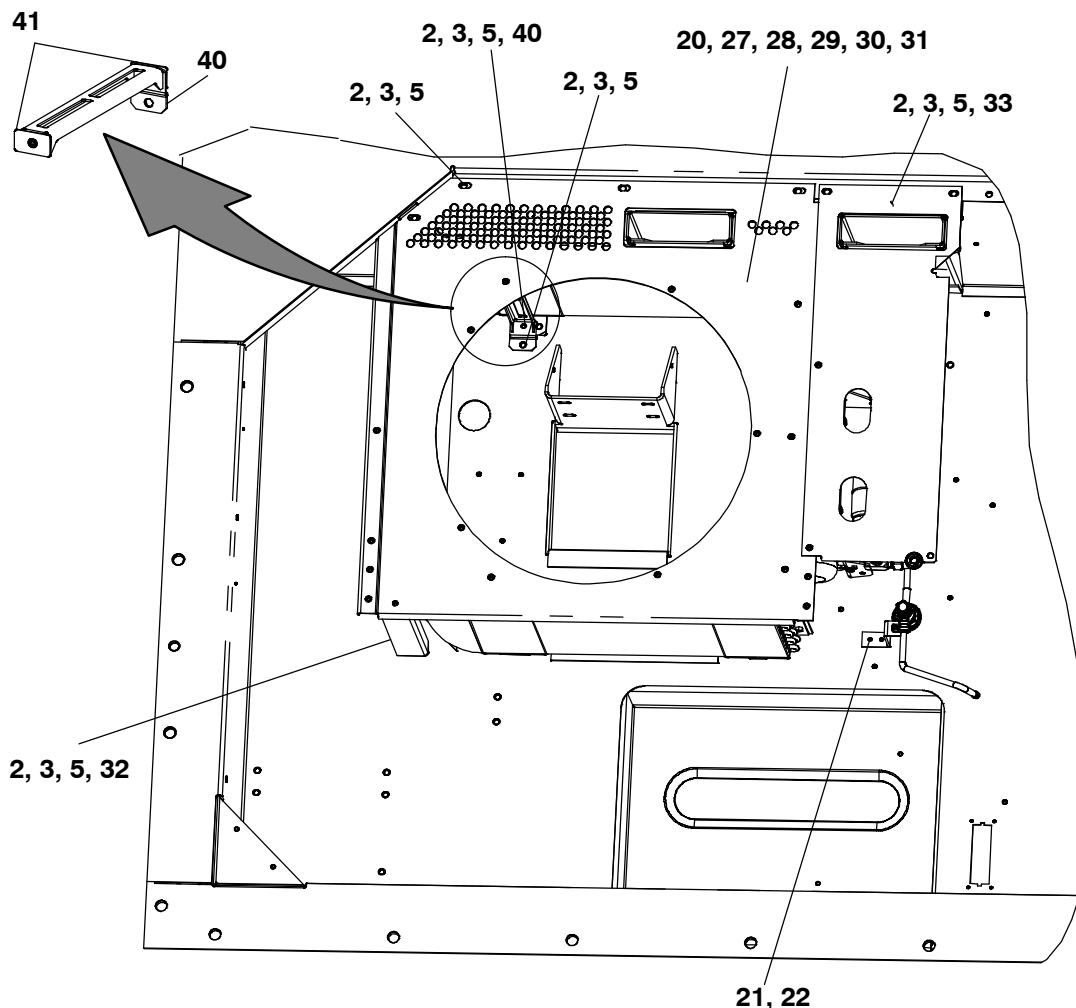
77-01604-00,77-01111-00

2.12 CONDENSER KIT



77-01662

2.12 CONDENSER KIT (Continued)



77-01662

2.12 CONDENSER KIT (Continued)

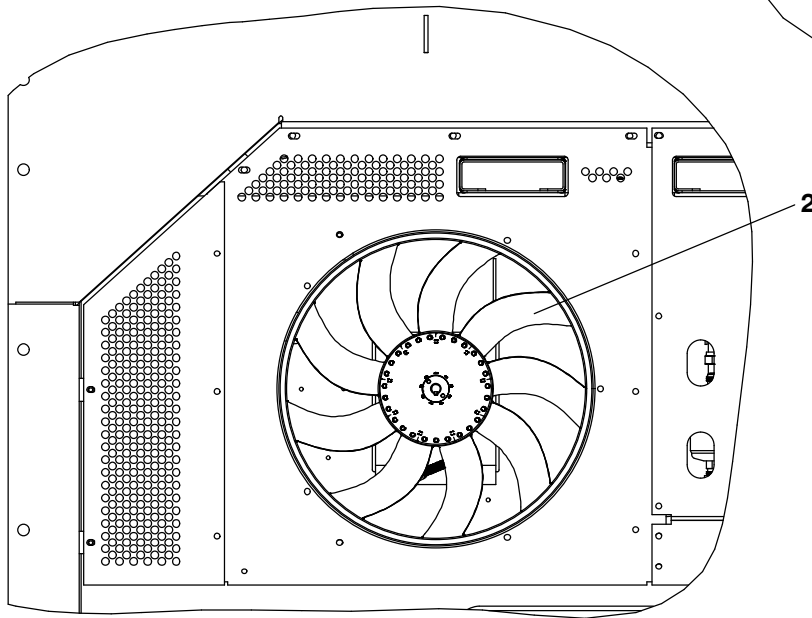
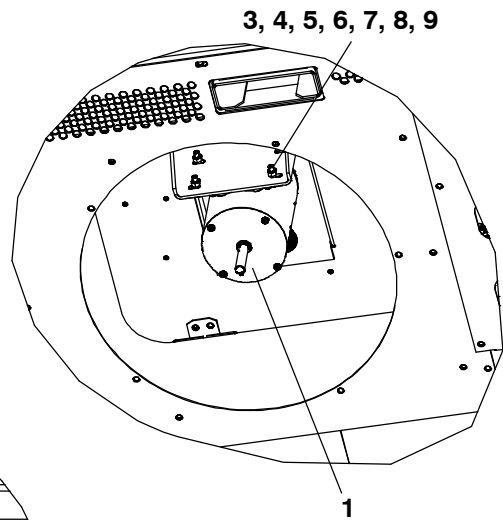
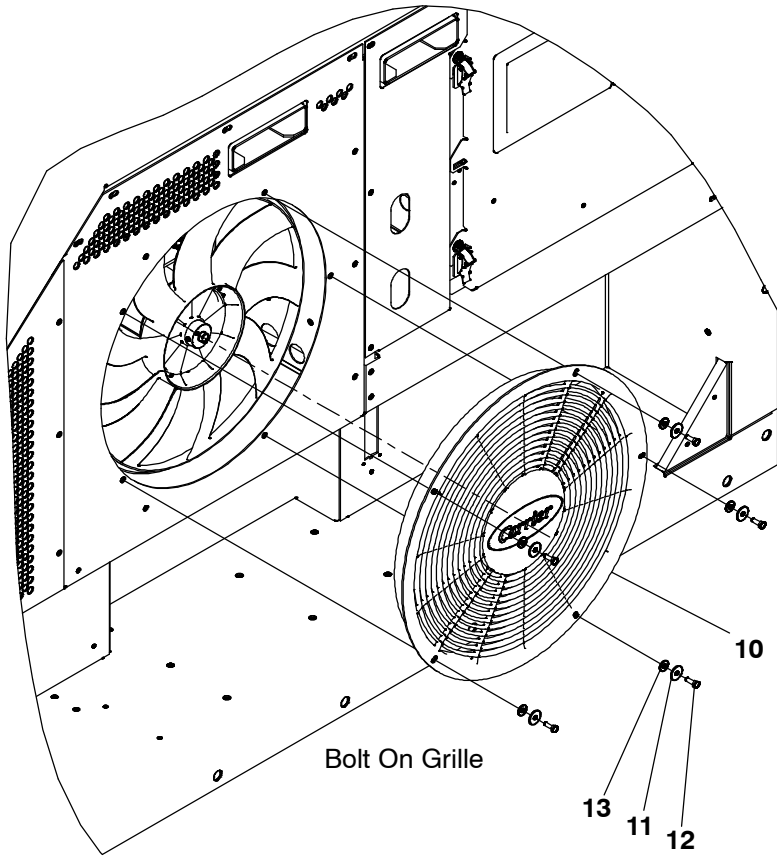
Item	Part Number	Description	Qty	
1	81-04203-20	Coil Assembly, Condenser Includes:	1	
	81-04203-01	Coil Assembly, Condenser	1	
	68-17185-00	Panel	1	
	34-00655-04	Screw, Hex Head	4	
	34-06053-00	Washer	4	
	66U1-5321-3	Washer, Plain	4	
	58-04910-00	Protector	1	
	58-04910-01	Protector	1	
	58-04026-23	Protector	1	
	58-04026-108	Protector	1	
	56-09149-00	Coupling	2	
	2	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	42
	3	66U1-5321-7	Washer, Plain 1/4 W Type A	44
4	34-06053-05	Washer .205 ID X .600 OD	7	
5	34-06053-00	Washer .250 ID X .800 OD	45	
6	34-00373-54	Clamp, Tube	1	
7	66U1-5371-6	Screw, Machine Hex Head #10-24 X 0.750	4	
8	66U1-1571-32	Grommet	1	
9	56-08954-00	Tube Assembly 1/2 OD X .035W	1	
10	44-00370-03	Clamp, Cushioned .50 Diameter	1	
11	14-00341-07	Filter Drier 1/2 Flare, "O" Ring	1	
	14-00341-11	Filter Drier Aluminum Coated, 1/2 Flare, "O" Ring	1	
12	40-00520-01	Coupling	1	
13	34-00373-07	Clamp, Tube	1	
14	79-04049-00	Receiver Assembly, Aluminized Steel Includes:	1	
15	14-00220-04	Sight Glass 1/2-14 Npt	1	
16	14-00221-04	Indicator, Moisture and Liquid	1	
17	EC9DM062	Check Valve Core, Spring Loaded	1	
18	58-04026-23	Protector 2.12 X4.12 With 2 Holes	1	
19	58-04910-03	Protector Mylar	1	
20	58-04910-02	Protector Mylar	5	
21	69NT43-420	Bracket Assembly	1	
22	34-00928-09	Rivet, Blind	2	
23	58-04026-33	Protector	1	
24	12-00352-00	Transducer, Condenser Pressure	1	
25	14-01032-14	Fusible Plug	1	

77-01662-00

2.12 CONDENSER KIT (Continued)			
Item	Part Number	Description	Qty
26	79-04055-00	Cover Includes:	1
27	68-17290-01	Cover	1
20	58-04910-02	Protector	3
28	42-00771-00	Gasket	2
29	42-00771-01	Gasket	1
30	42-00771-02	Gasket	1
31	42-00771-03	Gasket	1
32	68-17196-00	Bracket	1
33	68-16823-00	Cover	1
34	68-16864-00	Bracket	1
35	58-04910-04	Protector	2
36	56-08955-00	Tube 3/8 OD X 0.022	1
37	14-00284-20	O-Ring Filter Drier	2
38	66U1-3882	Wire Tie 1/16-1-3/4	4
39	42-00032-13	Insulation Prestite	2
40	86-04994-00	Bracket	1
41	58-04910-05	Protector	2
42	42-00771-00	Gasket	4
43	42-00771-01	Gasket	2
44	42-00771-02	Gasket	2
45	42-00771-03	Gasket	2
46	58-04026-52	Protector Receiver	1
47	14-00222-02	Valve, Liquid Line Service (King)	1
48	99TS0835CK001 200	Tube 1/2 OD X .035W	1
49	40-66620-03	Tee, Reducing 1/2 X 3/8 X 1/2	1
50	99TS0628CK002 500	Tube, Straight Blank	1
51	14-00212-03SV	Valve, Quench TXV	1
52	56-09146-00	Tube, Liquid 1/2 OD X 0.035	1

77-01662-00

2.13 CONDENSER FAN KIT



Shown With Fan Grille Removed

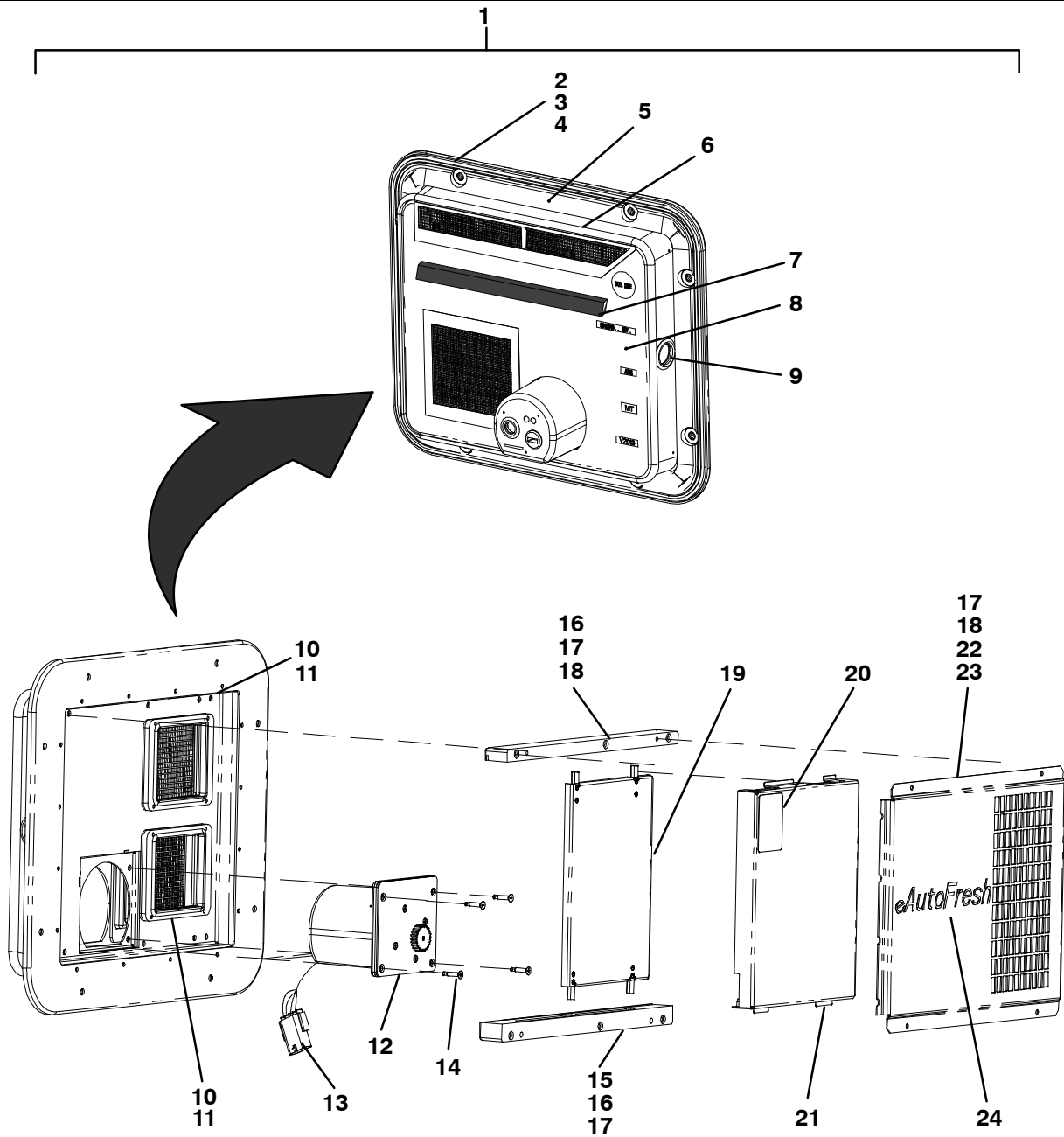
77-01707

2.13 CONDENSER FAN KIT (Continued)

Item	Part Number	Description	Qty
1	54-00655-20	Condenser Fan Motor	1
	04-50029-21	Bearing	2
2	38-00620-01	Condenser Fan Assembly	1
3	69NT35-3452	Shim	1
4	34-01181-01	Washer, Flat	8
5	34-00667-12	Nut, Self Lock	4
6	66U1-5361	Screw, Cap Hex Head 5/16-18 X 1.25	4
7	69NT35-3452-1	Shim	1
8	69NT35-6112	Protector	2
9	34-06053-02	Washer	4
10	58-04980-00SV	Condenser Grille Includes:	1
11	69NT35-2692-1	Washer, Fender 1/4-.993-1.015 OD	5
12	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	5
13	34-06357-00	Washer	5

77-01707-00

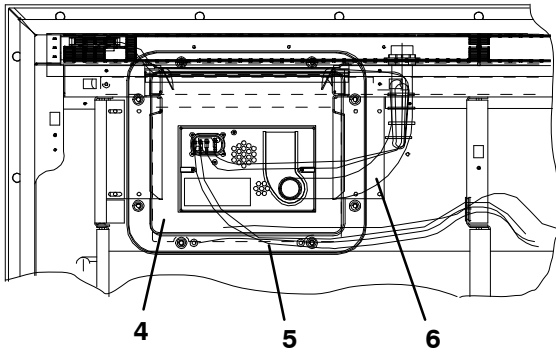
2.14 eAutoFresh PANEL ASSEMBLY



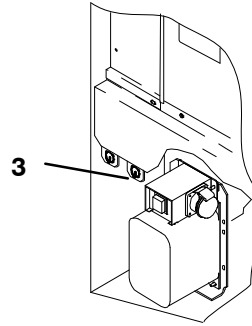
77-01157

2.14 eAutoFresh PANEL ASSEMBLY (Continued)			
Item	Part Number	Description	Qty
1	79-66643-00	eAutoFresh, White Panel Includes:	
2	68-11989-08	Cover, Access White	1
	68-11989-10	Cover, Access Orange	1
3	34-00928-09	Rivet, Blind, 0.156 Diameter 0.126 – 0.250	16
4	86-66704-00	Box Assembly, Recess, White	1
	86-66704-01	Box Assembly, Recess, Orange	1
5	42-00296-01	Gasket, Evaporator Access Panel	1
6	42-00327-00	Gasket, 0.25 X 0.5 Half Round	1
7	58-66642-00	Panel Assembly, eAutoFresh	1
8	66U1-2552-185	Gasket, 0.75 Thick X 1.5 X 16.63	1
9	66U1-5562-2	Plug Button, 1.25 Diameter Hole	1
10	58-66640-00	Collar, eAutoFresh	2
11	34-00928-06	Rivet, Blind 0.125 Diameter 0.376 – 0.500	8
12	79-66641-00	Cup Assembly, White – Includes:	1
	79-66641-01	Cup Assembly, Orange – Includes:	1
13	22-02392-03	Connector, Female	1
14	34-66642-09	Screw, Flat Head 10-32 82 Degree Phillips	4
15	58-66645-00	Rail Bottom, eAutoFresh	1
16	66U1-6651-26	Screw, Machine Pan Head #8-32 X 1.75	10
17	34-00662-08	Washer, Plain, #8 Medium 0.032 Thick	10
18	58-66644-00	Rail Top, eAutoFresh	1
19	79-66640-00	Plate Assembly – Slide	1
20	62-66697-00	Label Warning, eAutoFresh	1
21	79-66642-00	Plate Assembly – Gasket	1
22	68-14715-00	Grille, White, 0.063 Thick Aluminum	1
	68-14715-01	Grille, Orange, 0.063 Thick Aluminum	1
23	58-04026-56	Protector, 0.562 OD X 0.177 ID	7
24	62-66701-00	Label, eAutoFresh	1

2.15 CONTROLLED ATMOSPHERE – TRANSFRESH



Upper back left of unit w/ evap fan assembly removed



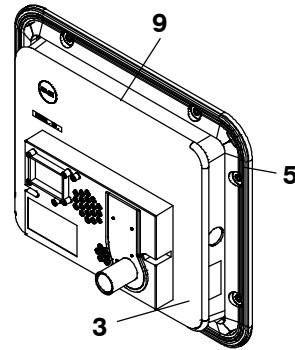
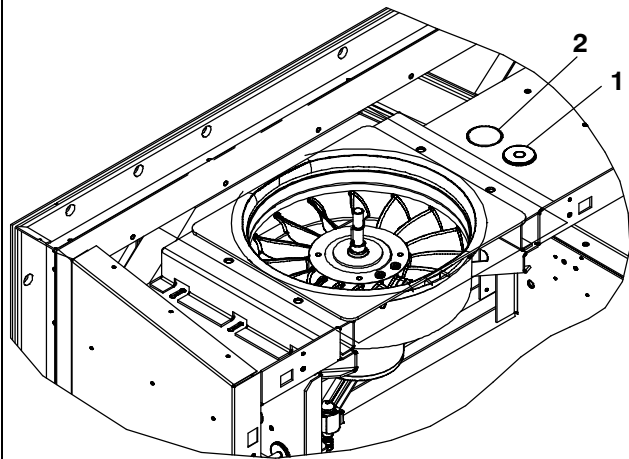
Partial view of the lower left corner of the unit.

Item	Part Number	Description	Qty
-	76-00681-01	Kit, Transfresh Field Installation (For units with NO Transfresh Provision) – Includes:	-
1	34-00655-28	Screw, Hex Head, 1/4-20 x 3-1/2 lg. – SST	4
2	69NT35-6348	Bracket	2
NS	58-04290-00	Pipe Assembly, PVC	1
*3	69NT35-8734-4	Cable Assembly, Transfresh Communications Connector (TCC)	1
*4	69NT35-8734-16	Panel Assembly, Transfresh	1
*5	69NT35-8734-12	Cable, Power – A2C (Transfresh)	1
*6	69NT35-8734-5	Hose Assembly, Air (Transfresh)	1
*NS	69NT35-8734-14	Cable Assembly, Rear (Transfresh)	1
*NS	69NT35-8734-6	Fuse Assembly, In-line (Transfresh)	1

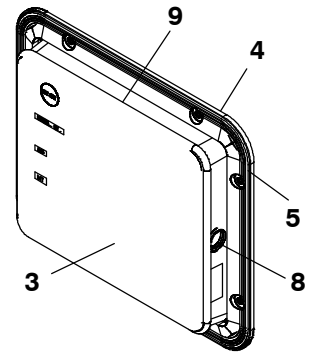
NOTE

* Contact – TransFresh Corp., P.O. Box 1788, Salinas, CA 93902 to order these parts.

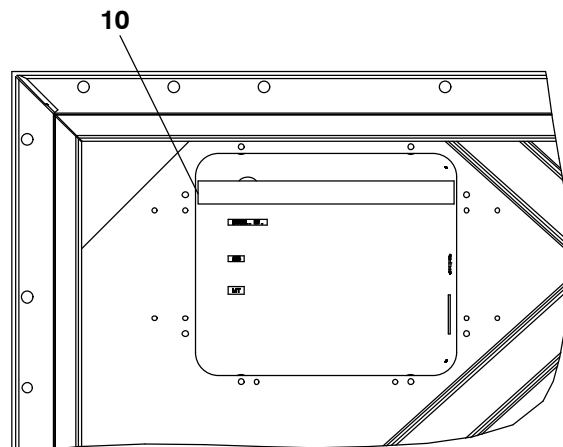
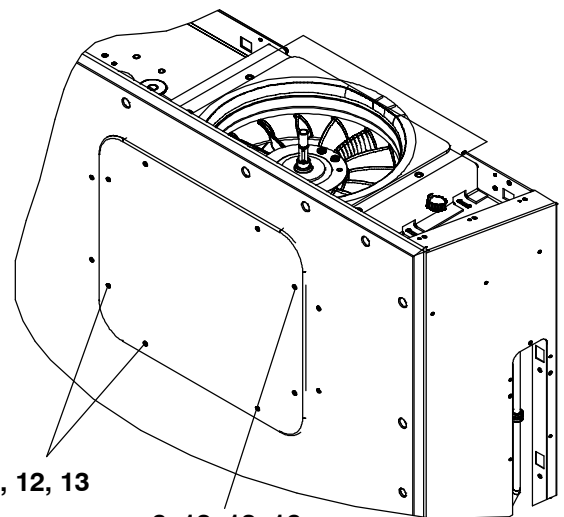
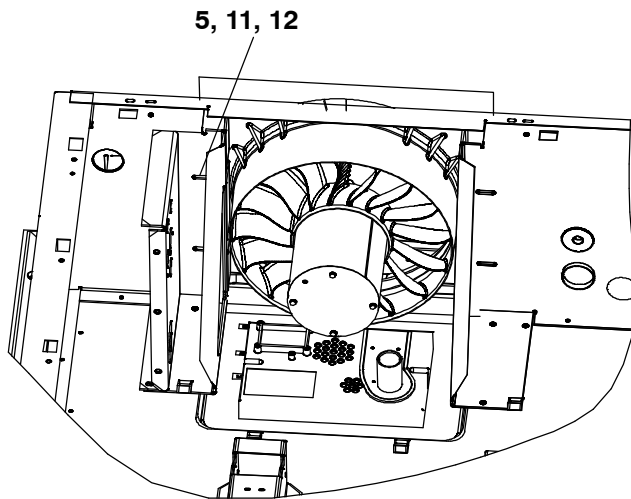
2.15 CONTROLLED ATMOSPHERE - TRANSFRESH (Continued)



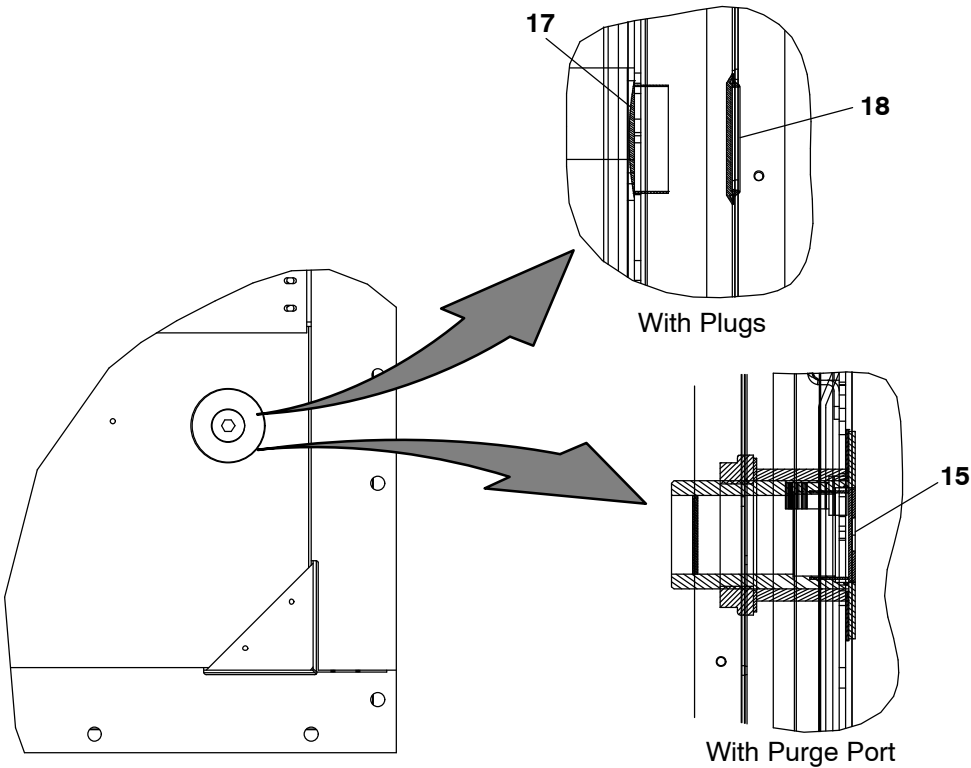
Transfresh Panel Assembly



Standard Access Panel



2.15 CONTROLLED ATMOSPHERE – TRANSFRESH (Continued)

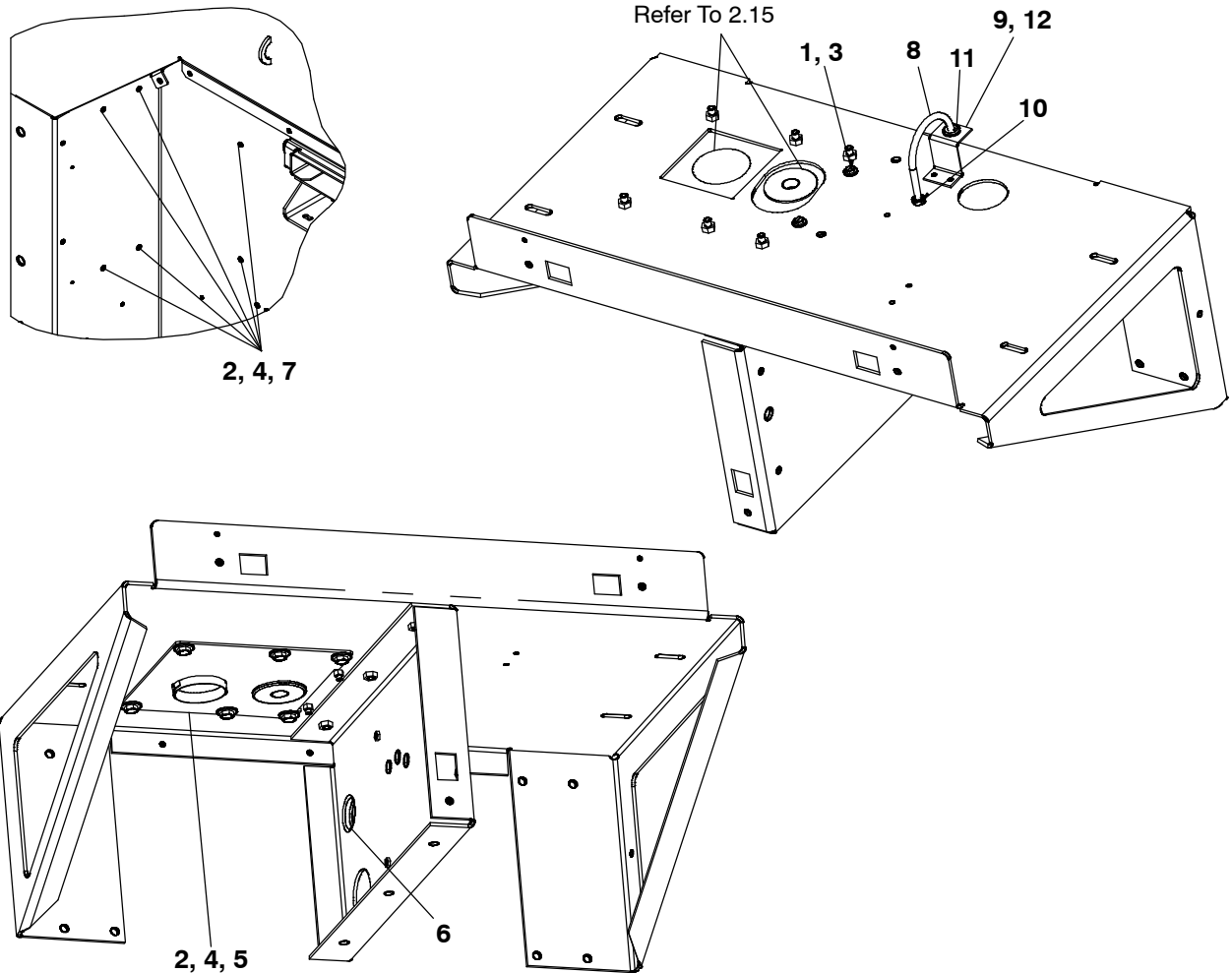


77-01734

Item	Part Number	Description	Qty
COMMON PARTS (UPDATED)			
1	58-00616-00	Plug, Hole	1
2	58-00616-07	Plug, Hole	1
3	58-04378-01	Panel, Access	1
4	68-11989-00	Cover, Top	1
5	42-00296-01	Gasket	1
6	34-00655-08	Screw, Cap Hex Head 1/4-20 X 1.00	4
7	34-66627-00	Screw, Cap Hex Head 1/4-20 X 1.00	2
8	66U1-5562-2	Plug, Button	1
9	42-00327-00	Gasket	1
10	66U1-2552-185	Gasket	1
11	34-00663-11	Washer, Lock 1/4 Spring	4
12	34-06053-18	Washer, Retaining .250 ID X 1.000 OD	8
13	34-06212-17	Washer, Plain 1/4 W Type A	8
14	69NT35-2692-1	Washer, Fender 1/4-.993-1.015 OD	4
15	69NT35-8734-19	Connector Assembly T/F; Single Purge Port	1
16	34-66644-00	Screw, Cap Hex Head	6
TRANSFRESH PORT PROVISION, SS FASTENERS			
17	58-00616-11	Plug, Hole 2.12 Diameter X .25	1
18	58-00701-09	Plug, Button 2.125	1
TRANSFRESH PORT PROVISION			
7	34-06154-00	Screw, Cap Hex Head 1/4-20 X 1.00	2
11	34-00663-11	Washer, Lock 1/4 Spring	4
12	34-06053-13	Washer	8

77-01734-03,04, 05

2.16 EVERFRESH PANEL ASSEMBLY

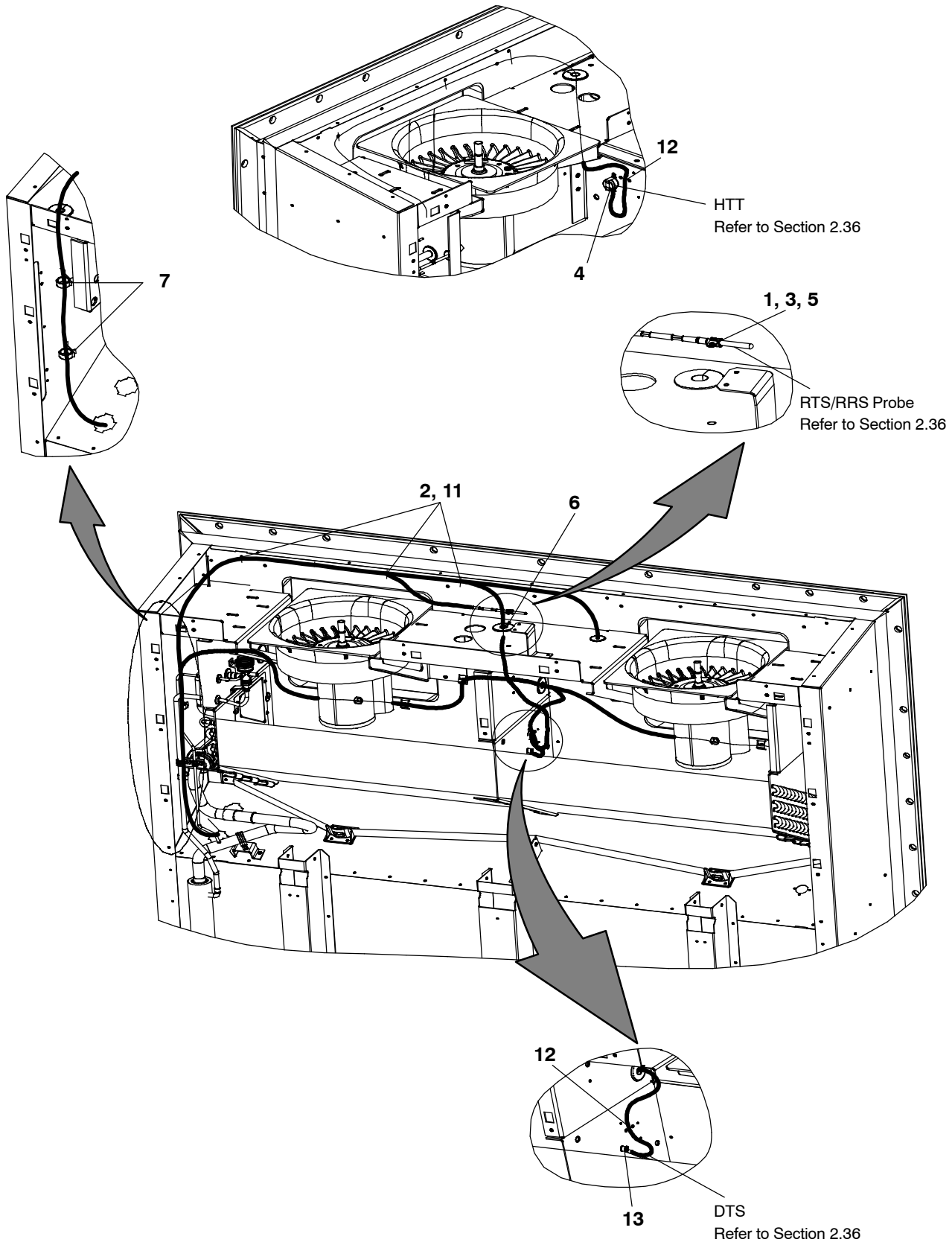


77-01713

Item	Part Number	Description	Qty
EVERFRESH KIT. BASIC PROVISION			
1	66U1-5321-8	Washer, Plain #10 Type A	2
2	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	6
3	66U1-5371-6	Screw, Machine Hex Head #10-24 X 0.750	2
4	66U1-5321-7	Washer, Plain 1/4 W Type A	6
5	68-17420-00	Plate, Cover	1
6	66U1-5562-12	Plug, Button	1
EVERFRESH KIT. FULL PROVISION (Basic Provision Plus the Following)			
7	34-06053-00	Washer .250 ID X .800 OD	6
8	58-04497-01	Tube 1/4" OD X 6.25"	1
9	68-14739-00	Bracket	1
10	40-00640-00	Union, Bulkhead	1
11	58-00065-84	Grommet	1
12	34-00928-20	Rivet, Blind	2

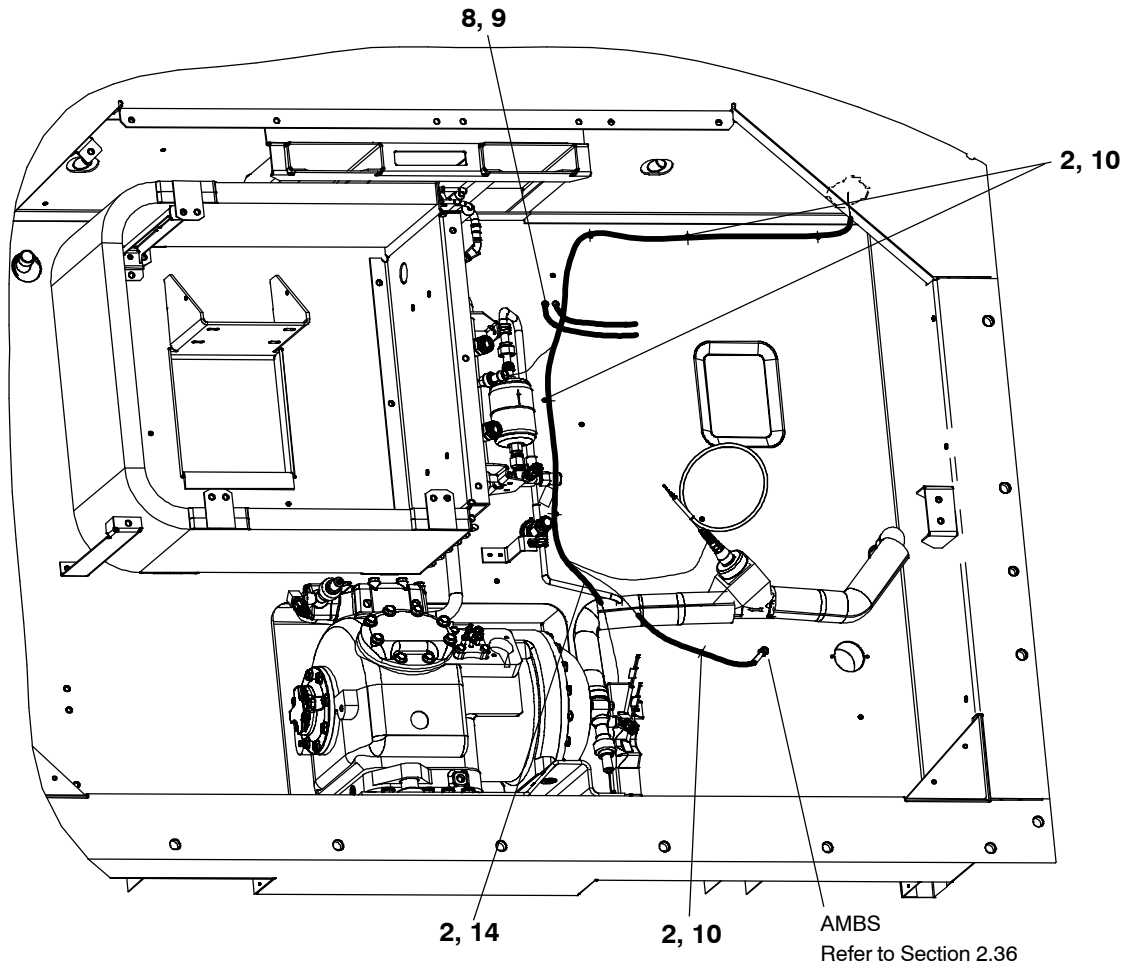
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2.17 CONTROLLER KIT



77-01678

2.17 CONTROLLER KIT (Continued)

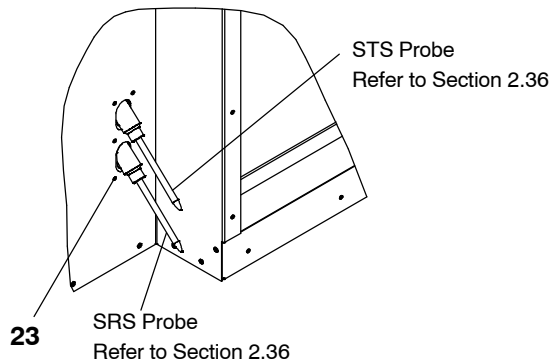
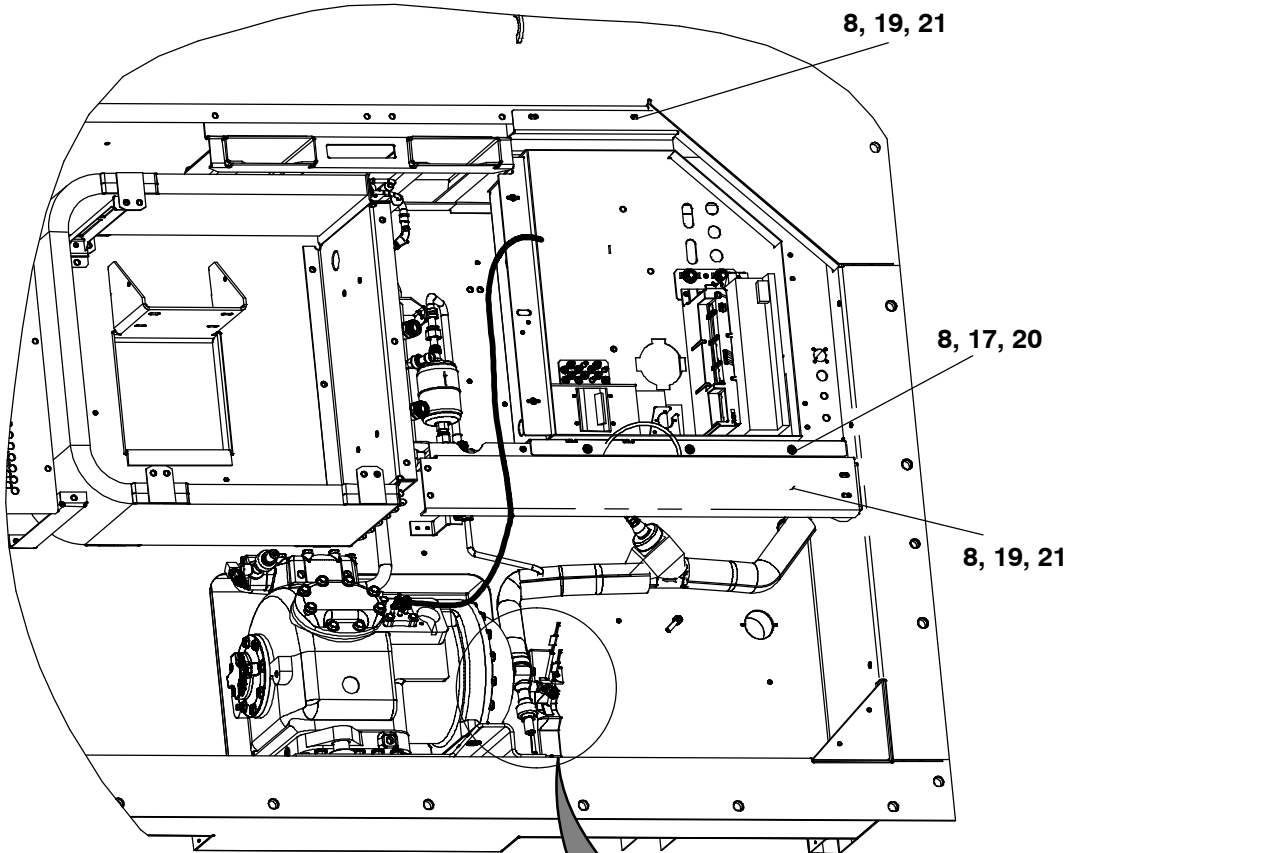
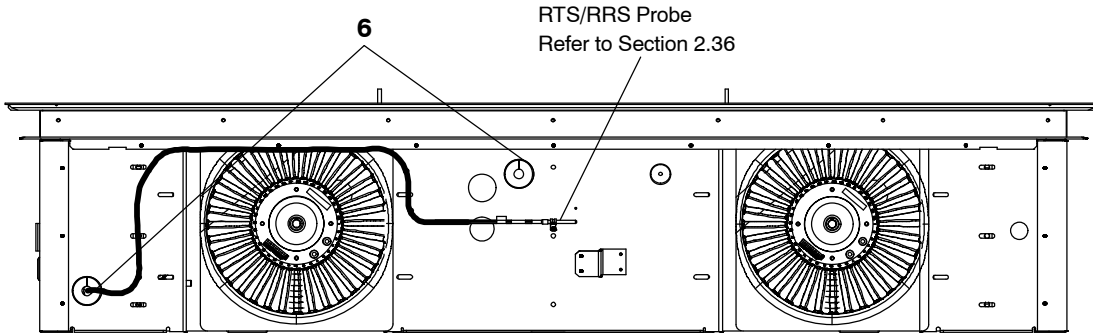


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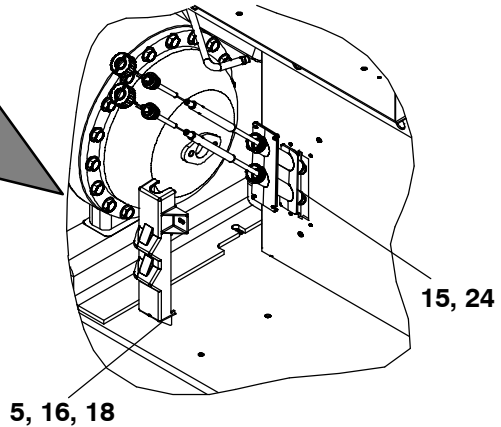
Item	Part Number	Description	Qty
1	66U1-5371-6	Screw, Machine Hex Head #10-24 X 0.750	2
2	66U1-3882	Wire Tie 1/16-1-3/4	29
3	44-01041-04	Clamp, Cushioned	1
4	34-01178-22	Screw, Hex Head #8-32 X 0.50	2
5	66U1-5321-8	Washer, Plain #10 Type A	2
6	58-04273-00	Grommet Split	2
7	44-00361-00	Clip, Retaining	2
8	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	8
9	AU27JR171	Washer, Lock 1/4 External Tooth	2
10	58-04316-00	Base, Mounting	4
11	58-04315-00	Base, Mounting	5
12	58-00969-00	Wire Tie	1
13	34-01178-23	Screw, Hex Head #8-32 X 0.75	1
14	58-04321-24	Tube, Slit 3/8 ID, 14.00"	1

77-01678-00

2.17 CONTROLLER KIT (Continued)

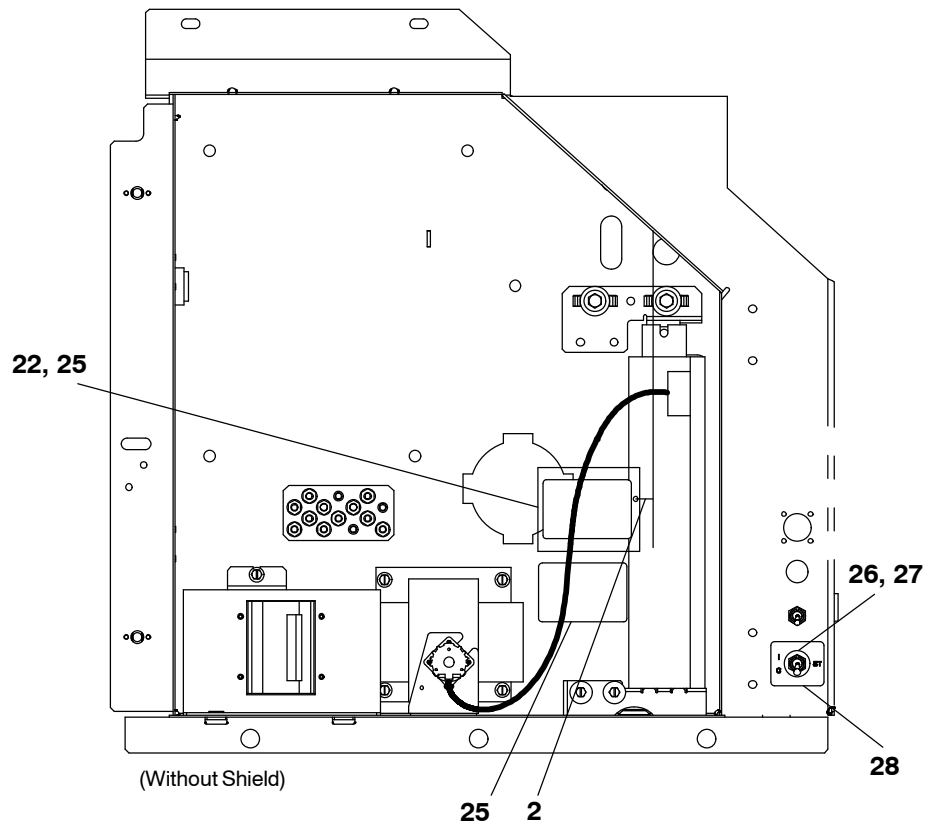


Rear View



77-01678

2.17 CONTROLLER KIT (Continued)

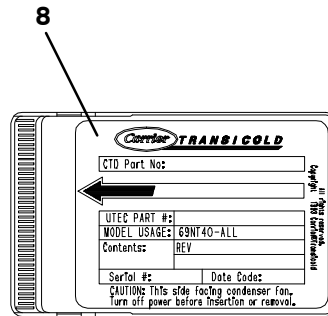
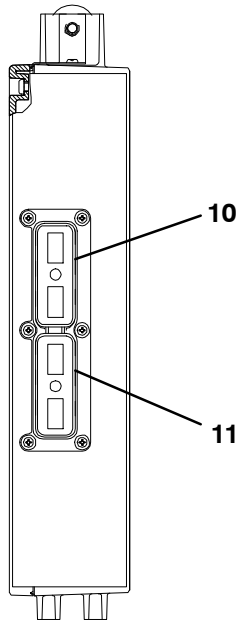
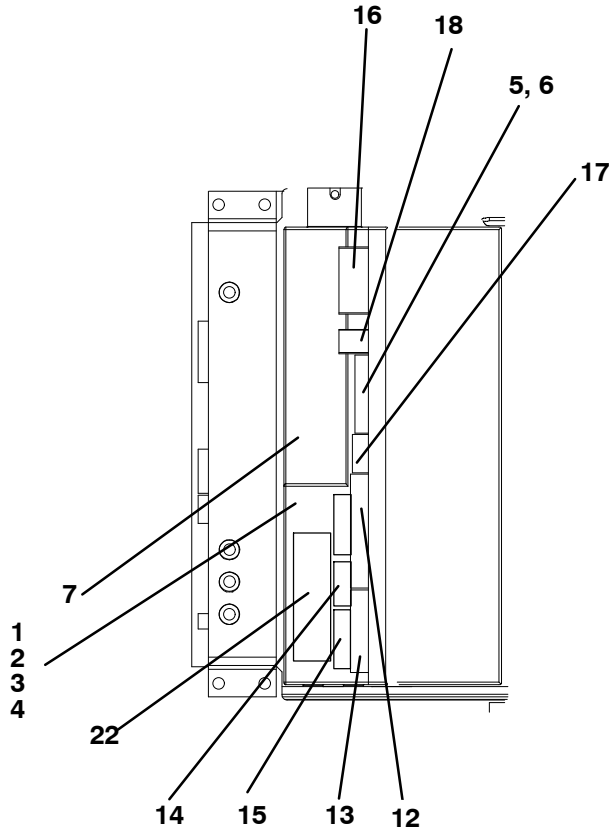


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Item	Part Number	Description	Qty
15	58-04276-00	Holder Supply Probe	1
16	58-04279-00	Cover Plastic, Probe	1
17	34-06053-03	Washer .250 ID X 1.000 OD	3
18	66U1-5371-7	Screw, Machine Hex Head #10-24 X 0.500	2
19	66U1-5321-7	Washer, Plain 1/4 W Type A	3
20	69NT-35-2692-1	Washer, Fender 1/4-.993-1.015 OD	3
21	34-06053-00	Washer 0.250 ID X 0.800 OD	3
22	62-11114-00	Tag Controller Software	1
23	34-00928-04	Rivet, Blind	6
24	34-00928-20	Rivet, Blind	4
25	62-11270-15	Label, Warning Software Version	2
26	66U1-9752	Seal	1
27	10-01129-20	Nut, Hex 15/32-32	1
28	62-11731-00	Label St/Switch	1

77-01678-00

2.18 CONTROLLER MODULE SECTION AND SOFTWARE CARDS

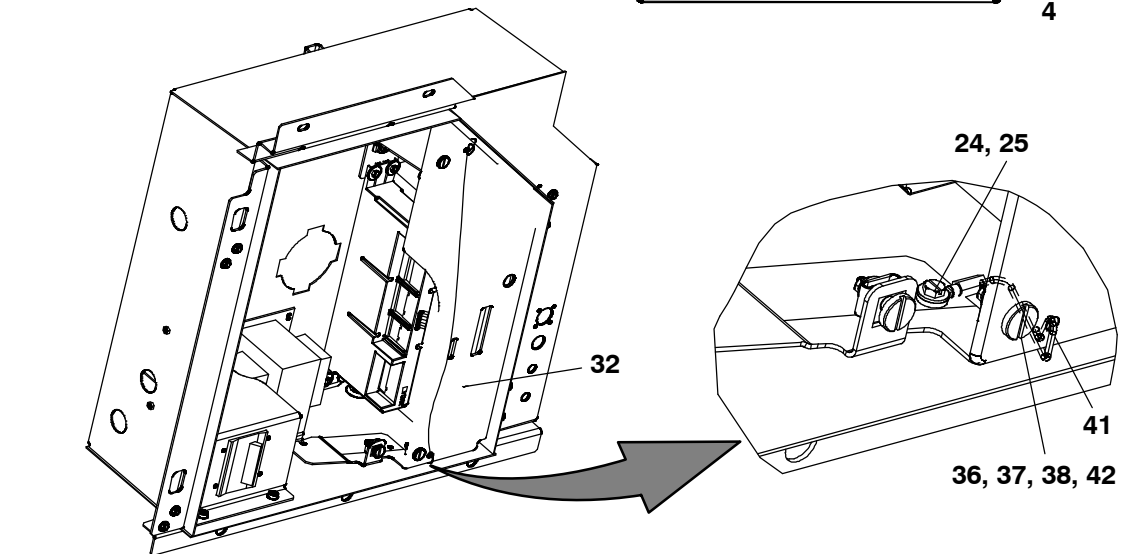
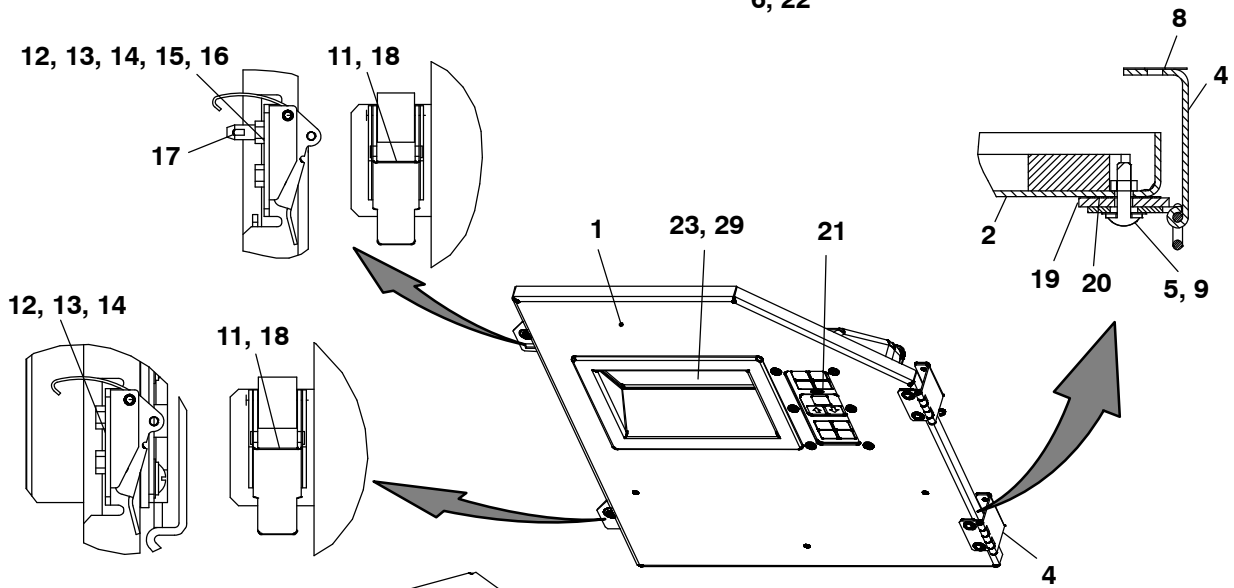
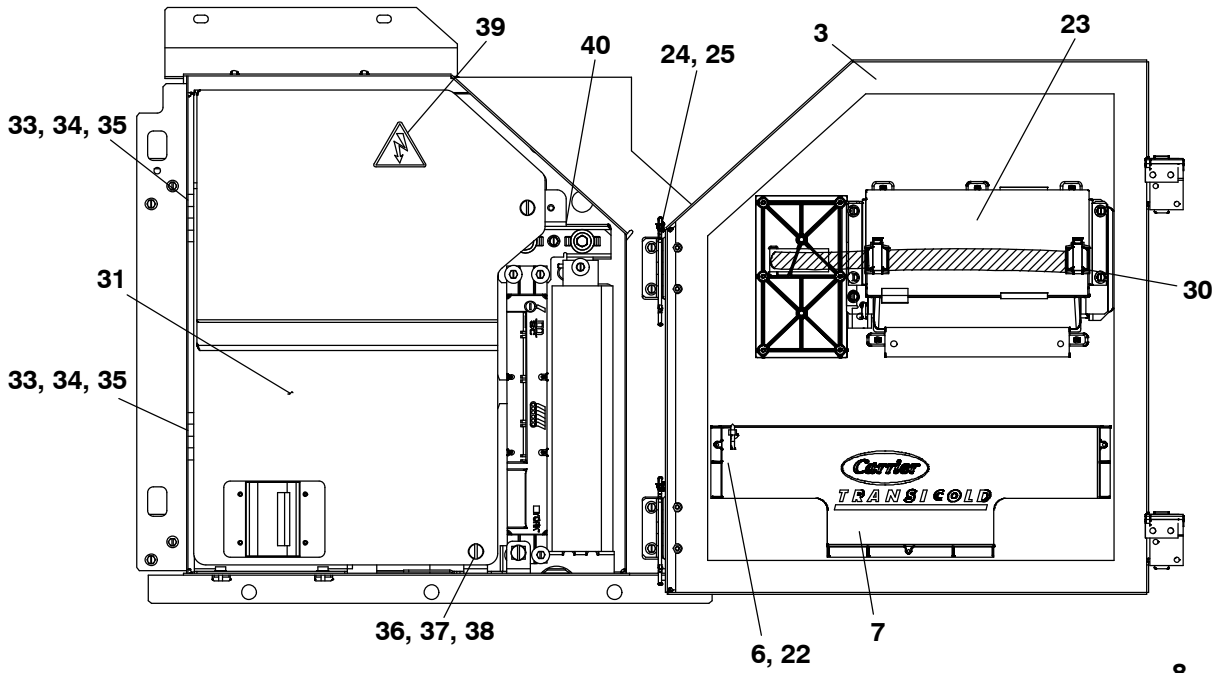


VIEW - BACK OF CONTROLLER/DataCORDER

2.18 CONTROLLER MODULE SECTION AND SOFTWARE CARDS (Continued)

Item	Part Number	Description	Qty
1	12-55008	Controller/DataCORDER Module – Includes:	1
2	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Inches Long, SST	1
3	69NT35-2692	Washer, Fender, 0.063 Thick, SST	1
4	58-01184-00	Retainer, Screw, 0.141 ID	1
5	22-02336-08	Fuse, 7.5 Amp (F3A and F3B)	3
6	22-02336-02	Fuse, 5 Amp (F1 and F2)	1
7	62-02719-00	Label, Controller/DataCORDER Port	1
8	12-00594	Controller Operation Software Card (Latest version will be supplied)	1
9	12-00615	DataCORDER Operation Software Card (Latest version will be supplied)	1
10	Connector (EC A-K) (Refer to Section 2.36)		
11	Connector (EC L-Y) (Refer to Section 2.36)		
12	Connector (KA) – 14-Pin (Refer to Section 2.35)		
13	Connector (KB) – 10-Pin (Refer to Section 2.35)		
14	Connector (KD) – 4-Pin (Refer to Section 2.35)		
15	Connector (KE) – 5-Pin (Refer to Section 2.36)		
16	Connector (MA) – 12-Pin (Refer to Section 2.35)		
17	Connector (KH) – 6-Pin (Refer to Section 2.36)		
18	Connector (MC) – 8-Pin		
NS	09-00375-00	Battery, Real Time Clock, (Within the Controller)	1
19	10-01129-11	Switch, toggle ST	2
21	10-01129-05	Switch, Toggle CFS	1
22	10-01129-12	Switch, (Start/Stop)Toggle ON/OFF	1
RECHARGEABLE BATTERY OPTION			
23	30-00407-02SV	Rechargeable Battery Pack with Connector-Controller/DataCORDER Module	A/R
SECURE RECHARGEABLE BATTERY OPTION			
NOTE	76-50149-00	Rechargeable Battery Pack with Connector-Controller/DataCORDER Module	A/R
NOTE			
Refer to technical manual for battery location.			

2.19 CONTROLLER DOOR KIT, LATCH

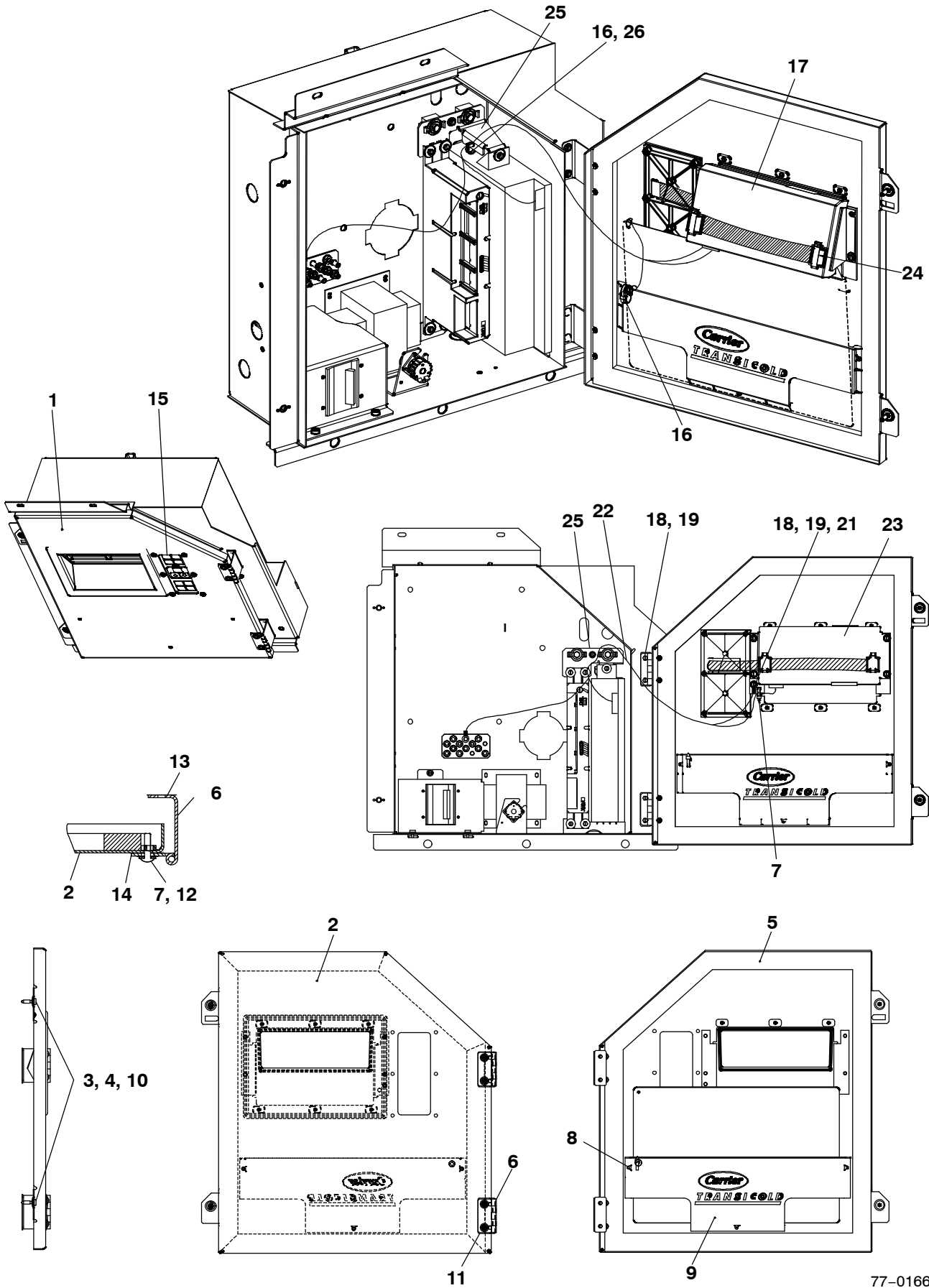


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2.19 CONTROLLER DOOR KIT, LATCH (Continued)			
Item	Part Number	Description	Qty
1	79-04018-01	Control Box Door Assembly, Latch Includes:	1
2	86-04987-01	Door, Control Box	1
3	42-00741-00	Gasket Control Box Door	1
4	44-00300-04	Hinge Assembly W/Tethered Pin	2
5	66U1-2403-1	Screw, Machine #10-24 X 0.750	4
6	34-06107-00	Rivet, Blind	3
7	58-04954-00	Pocket Placard	1
8	58-04101-02	Protector	2
9	34-06053-05	Washer	4
10	58-04366-00	Window Controller Door	1
11	58-04026-74	Protector Latch	2
12	34-00663-08	Washer, Lock #8 Spring	4
13	66U1-5321-2	Washer, Plain #8 Type A	4
14	66U1-6651-2	Screw, Machine Pan Head #8-32 X 1/2 Lg	3
15	66U1-6651-22	Screw, Machine Pan Head #8-32 X 3/4 Lg	1
16	34-66621-04	Washer, Lock Internal Tooth	1
17	48-66611-00	Pin, Guide Machined	1
18	44-66605-00	Latch	2
19	68-17461-00	Shim	2
20	58-04101-00	Protector	2
21	79-66669-00	Key Pad Assembly Includes:	1
	NSS	Key Pad 69Nt Core Micro	1
	NSS	Plate, Backup	1
	NSS	Gasket, Keypad	1
	NSS	Washer, Plain #10 Type A	6
	NSS	Screw, Tf Pan Head #10-9 X.75	6
	NSS	Indicator Dot	1
22	66U1-3882	Wire Tie 1/16-1-3/4 Self locking	3
23	12-00433-05	Display Module	1
24	66U1-5371-7	Screw, Machine Hex Head #10-24 X 0.500	9
25	66U1-5321-8	Washer, Plain #10 Type A	9
26	66U1-5371-6	Screw, Machine Hex Head #10-24 X 0.750	2
27	AU27JR131	Washer, Lock #10 Ext Tooth	3
28	22-01713-49	Harness	1
29	58-04960-00	Rain Shield	1
30	44-00391-00	Clamp	2
31	79-04046-00	Shield, Hi-Volt Std	1
32	79-04047-00	Shield, Low Voltage	1
33	66U1-2403	Screw, Machine #10-24 X 0.500	2
34	44-00473-00	Hinge High Volt Shield	2
35	34-00928-20	Rivet, Blind	4
36	34-06139-01	Stud 1/4" Retaining	3
37	34-06139-00	Retainer 1/4" Stud	3
38	34-06139-04	Receptacle 1/4" Retaining	3
39	62-03957-04	Decal, Warning High Voltage	1
40	68-17228-00	Bracket	1
41	69NT35-636-6	Tether Assembly	1
42	68-17298-00	Bracket	1

77-01664-01

2.19 CONTROLLER DOOR KIT, SCREW



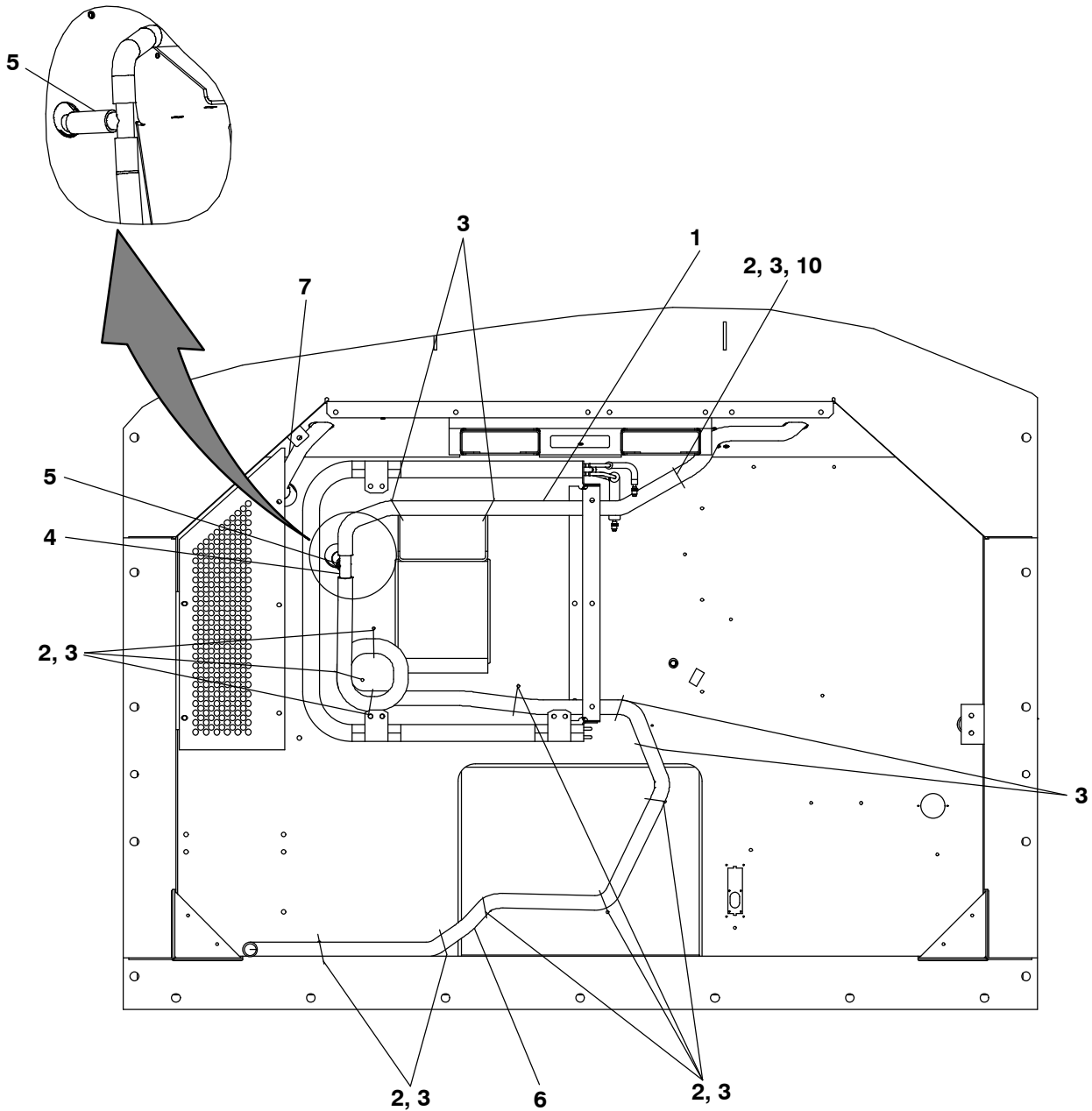
77-01664

2.19 CONTROLLER DOOR KIT, SCREW (Continued)

Item	Part Number	Description	Qty
1	79-04018-00	Control Box Door Assembly, Phillips Screw Includes;	1
2	86-04987-00	Door, Control Box	1
3	66U1-6811-12	Screw, Retaining .300-.625 Phillips	2
4	34-06169-00	Washer, Retaining 0.185 ID X 0.62 OD	2
5	42-00741-00	Gasket Control Box Door	1
6	44-00477-00	Hinge Staked Pin	2
7	66U1-2403-1	Screw, Machine Trhd #10-24 X .750 Sltd	4
8	34-06107-00	Rivet, Blind .125 Diameter .188-.250	3
9	58-04954-00	Pocket, Placard	1
10	34-06053-00	Washer 0.250 ID X 0.800 OD	4
11	58-04101-02	Protector	2
12	34-06053-05	Washer .205 ID X0 .600 OD	4
13	58-04366-00	Window Controller Door	1
14	58-04101-00	Protector	2
15	79-66669-00	Key Pad Assembly Includes:	1
	NSS	Key Pad 69Nt Core Micro	1
	NSS	Plate, Backup	1
	NSS	Gasket Keypad	1
	NSS	Washer, Plain #10 Type A	6
	NSS	Screw, Pan Head #10-9 X.75	6
	NSS	Indicator Dot	1
16	66U1-3882	Wire Tie	3
17	12-00433-03RP	Display Module, 69Ne/Nt	1
18	66U1-5371-7	Screw, Machine Hex Head #10-24 X 0.500 Sltd	9
19	66U1-5321-8	Washer, Plain #10 Type A	9
20	66U1-5371-6	Screw, Machine Hex Head #10-24 X 0.750	2
21	AU27JR131	Washer, Lock #10 Ext Tooth	1
22	22-01713-49	Harness	1
23	58-04960-00	Rain Shield	1
24	44-00391-00	Clamp	2
25	68-16735-00	Bracket	1
26	58-04316-00	Base, Mounting	1

77-01664-00

2.20 DRAIN

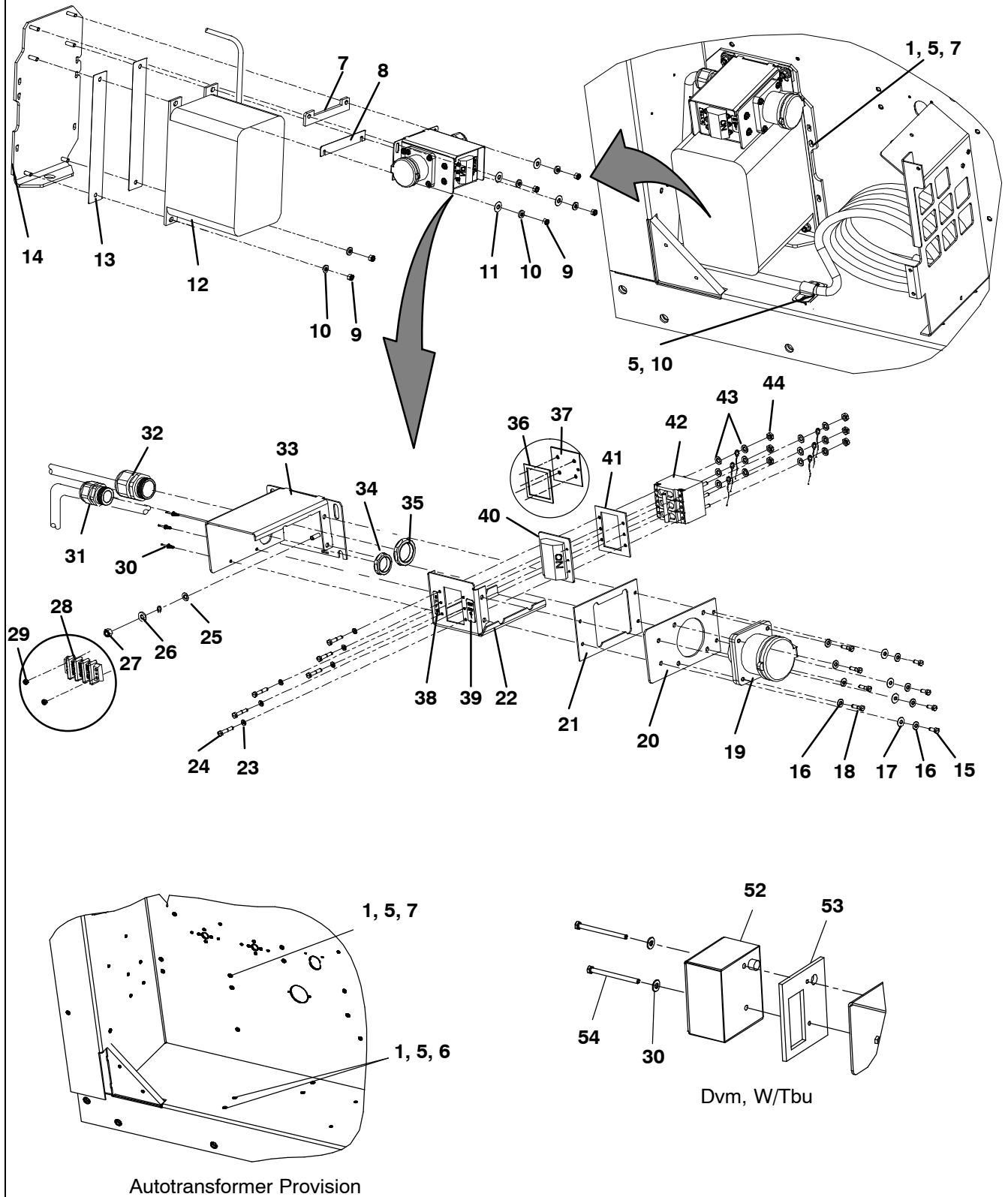


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Item	Part Number	Description	Qty
1	58-04539-12	Tube, Flexible Std. 44"	1
2	58-04316-00	Base, Mounting	10
3	66U1-3882	Wire Tie 1/16-1-3/4	14
4	58-04202-02	Tee 1.00 OD Drain	1
5	58-04539-10	Tube, Flexible Std. 3"	1
6	58-04539-14	Tube, Flexible Std. 120"	1
7	58-04539-11	Tube, Flexible Std. 12"	1

77-01664-00

2.21 AUTOTRANSFORMER



2.21 AUTOTRANSFORMER (Continued)**STANDARD PARTS INCLUDED IN OPTIONS**

Item	Part Number	Description	Qty
1	66U1-5321-7	Washer, Plain, 1/4 W Type A	7
2	34-06053-00	Washer, Mylar, 0.250 ID X 0.800 OD	5
3	AA06JA170	Screw, Hex Head, 1/4-20 X 1.00	7
4	58-04026-07	Protector, Mylar	1
5	68-14456-02	Cable Cutter	1
6	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	2

AUTOTRANSFORMER WITHOUT CB2

See Previous Section for Standard Parts and use with Item Below

-	76-00667-07	Transformer Kit, Field Installation, Without CB2 - Includes:	1
7	58-04026-25	Protector, 1.00 X 6.62, With Two Slots	1
8	69NT35-2086	Spacer, 0.25 Thick Aluminum	1
9	34-00667-12	Nut, Self-Locking, 5/16-18	6
10	34-01181-01	Washer, Flat 0.320/0.330 ID	6
11	34-06053-02	Washer, 0.375 ID X 1.000 OD	4
12	69NT40-914-4	Transformer Assembly	1
13	58-04026-17	Protector, 2.00 X 13.0 With Two Holes	2
14	69NT43-374	Bracket Assembly DV Transformer Module	1
15	66U1-5371-7	Screw, Machine, Hex Head, #10-24 X 0.500 Slotted	4
16	66U1-5321-8	Washer, Plain #10 Type A	8
17	34-06053-05	Washer 0.205 ID X 0.600 OD	4
18	66U1-5371-6	Screw, Machine, Hex Head, #10-24 X 0.750 Slotted	4
19	22-01679-00	Receptacle 32 Amp/Bryant	1
20	69NT41-892	Cover Assembly Transformer Module, Receptacle	1
21	42-00328-00	Gasket, 0.094 Thick X 3.60 X 5.74	1
22	69NT43-282	Box Assembly Transformer Module, CB2	1
23	34-06053-10	Washer 0.138 ID X 0.343 OD	4
24	66U2-1531-3	Screw, Machine, Round Head #6-32 X 0.375 Inches Long SS	4
25	AU27JR171	Washer, Lock, 1/4 Ext Tooth	1
26	66U1-5321-3	Washer, Plain, 1/4 N Type A	1
27	34-00667-11	Nut, Self-Locking, 1/4-20	1
28	22-01778-00	Terminal, Block Three Terminal	1
29	34-00795-09	Nut, Self-Locking, 10-32	2
30	34-00928-02	Rivet, Blind, 0.125 Inch Diameter 0.126-0.187	3
31	22-02319-05	Connector, Straight, 3/4 Hub	1
32	22-02319-06	Connector, Straight, 0.590/1.00 Inch Diameter	1
33	69NT43-270-1	Box Assembly, Weld DV Transformer Module	1
34	34-06136-01	Nut, Lock, 3/4 NPT	1
35	34-06136-02	Nut, Lock, 1.00 NPT	1
36	42-00366-00	Gasket, 0.094 Thick, 3.20 X 3.200	1
37	68-13832-00	Plate Assembly, 0.090 Thick Aluminum	1

2.21 AUTOTRANSFORMER (Continued)**AUTOTRANSFORMER WITH CB2**

See Previous Page for Standard Parts and use with Items Below

Item	Part Number	Description	Qty
-	76-00667-03	Transformer Kit, Field Installation, With CB2 - Includes:	1
7	58-04026-25	Protector 1.00 X 6.62, With Two Slots	1
8	69NT35-2086	Spacer, 0.25 Thick Aluminum	1
9	34-00667-12	Nut, Self-Locking, 5/16-18	6
10	34-01181-01	Washer, Flat 0.320/0.330 ID	6
11	34-06053-02	Washer, 0.375 ID X 1.000 OD	4
12	69NT40-914-4	Transformer Assembly	1
13	58-04026-17	Protector, 2.00 X 13.0, With Two Holes	2
14	69NT43-374	Bracket Assembly DV Transformer Module	1
15	66U1-5371-7	Screw, Machine, Hex Head, #10-24 X 0.500 Slotted	4
16	66U1-5321-8	Washer, Plain #10 Type A	8
17	34-06053-05	Washer 0.205 ID X 0.600 OD	4
18	66U1-5371-6	Screw, Machine, Hex Head, #10-24 X 0.750 Slotted	4
19	22-01679-00	Receptacle 32 Amp/Bryant	1
20	69NT41-892	Cover Assembly Transformer Module, Receptacle	1
21	42-00328-00	Gasket, 0.094 Thick X 3.60 X 5.74	1
22	69NT43-282	Box Assembly, Transformer Module, CB2	1
23	34-06053-10	Washer, 0.138 ID X 0.343 OD	6
24	66U2-1531-3	Screw, Machine, Round Head, #6-32 X 0.375 Inches Long, SST	6
25	AU27JR171	Washer, Lock 1/4 Ext Tooth	1
26	66U1-5321-3	Washer, Plain 1/4 N Type A	1
27	34-00667-11	Nut, Self-Locking, 1/4-20	1
30	34-00928-02	Rivet, Blind, 0.125 Inch Diameter, 0.126-0.187	3
31	22-02319-05	Connector, Straight, 3/4 Hub	1
32	22-02319-06	Connector, Straight, 0.590/1.00 Inch Diameter	1
33	69NT43-270	Box Assembly, Weld DV Transformer Module	1
34	34-06136-01	Nut, Lock, 3/4 NPT	1
35	34-06136-02	Nut, Lock, 1.00 NPT	1
38	69NT35-1076	Label, On/Off (0.35 X 1.55)	1
39	69NT35-1076-1	Label, CB2, 230V On/Off	1
40	66U2-1531-1	Boot, 2.66 X 2.97, Black	1
41	68-13961-00	Boot, Frame, 0.090 Thick Aluminum	1
42	10-00083-06	Circuit Breaker, 70A-250 VAC-50/60Hz	1
43	10-00083-07	Nut, Hex, 1/4-20	6
44	10-00083-08	Washer, Flat, 1/4 (Circuit Breaker)	12

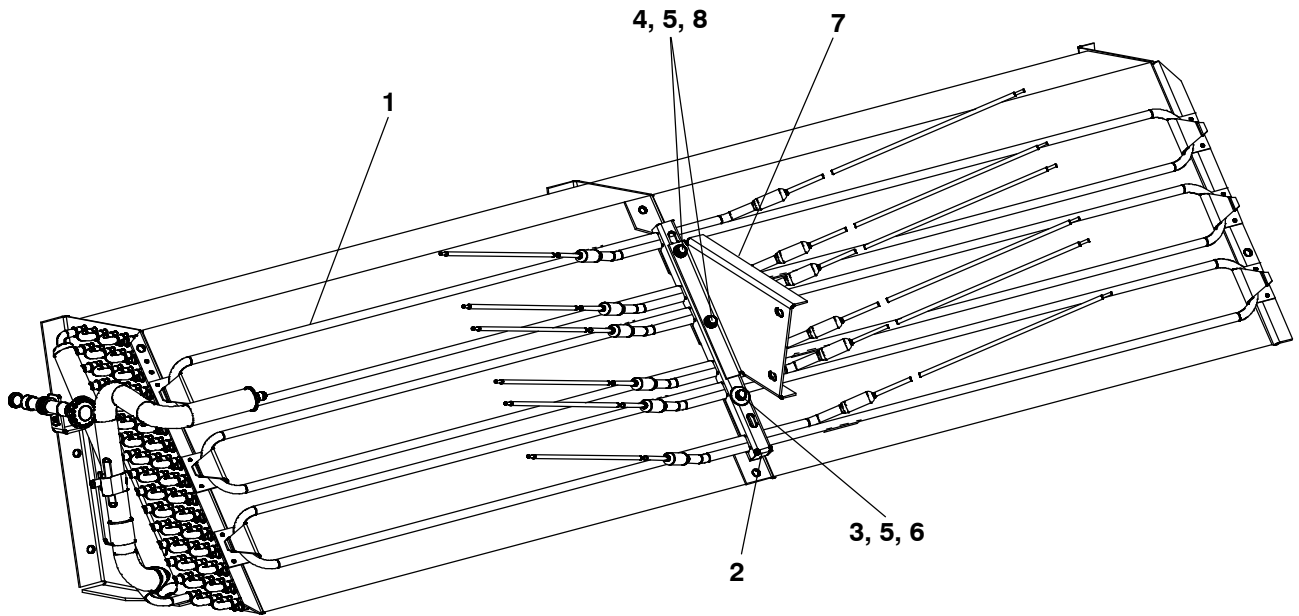
2.21 AUTOTRANSFORMER (Continued)**AUTOTRANSFORMER WITH DVM, TBU, & CB2**

See Previous Page for Standard Parts and use with Items Below

Item	Part Number	Description	Qty
-	76-00667-12	Transformer Kit, Dvm, W/Tbu & Cb2 Field Installation - Includes:	1
7	58-04026-25	Protector 1.00 X 6.62, With Two Slots	1
8	69NT35-2086	Spacer, 0.25 Thick Aluminum	1
9	34-00667-12	Nut, Self-Locking, 5/16-18	6
10	34-01181-01	Washer, Flat 0.320/0.330 ID	6
11	34-06053-02	Washer, 0.375 ID X 1.000 OD	4
12	69NT40-914-4	Transformer Assembly	1
13	58-04026-17	Protector, 2.00 X 13.0, With Two Holes	2
14	69NT43-374-1	Bracket Assembly	1
15	66U1-5371-7	Screw, Machine, Hex Head, #10-24 X 0.500 Slotted	4
16	66U1-5321-8	Washer, Plain #10 Type A	10
17	34-06053-05	Washer 0.205 ID X 0.600 OD	6
18	66U1-5371-6	Screw, Machine, Hex Head, #10-24 X 0.750 Slotted	4
19	22-01679-00	Receptacle 32 Amp/Bryant	1
20	69NT41-892	Cover Assembly Transformer Module, Receptacle	1
21	42-00328-00	Gasket, 0.094 Thick X 3.60 X 5.74	1
22	69NT43-282	Box Assembly, Transformer Module, CB2	1
23	34-06053-10	Washer, 0.138 ID X 0.343 OD	6
24	66U2-1531-3	Screw, Machine, Round Head, #6-32 X 0.375 Inches Long, SST	6
25	AU27JR171	Washer, Lock 1/4 Ext Tooth	1
26	66U1-5321-3	Washer, Plain 1/4 N Type A	1
27	34-00667-11	Nut, Self-Locking, 1/4-20	1
31	22-02319-05	Connector, Straight, 3/4 Hub	1
32	22-02319-06	Connector, Straight, 0.590/1.00 Inch Diameter	1
33	69NT43-270-2	Box Assembly, Weld DV Transformer Module	1
34	34-06136-01	Nut, Lock, 3/4 NPT	1
35	34-06136-02	Nut, Lock, 1.00 NPT	1
45	69NT35-1076	Label, On/Off (0.35 X 1.55)	1
46	69NT35-1076-1	Label, CB2, 230V On/Off	1
47	66U2-1531-1	Boot, 2.66 X 2.97, Black	1
48	68-13961-00	Boot, Frame, 0.090 Thick Aluminum	1
49	10-00083-06	Circuit Breaker, 70A-250 VAC-50/60Hz	1
50	10-00083-07	Nut, Hex, 1/4-20	6
51	10-00083-08	Washer, Flat, 1/4 (Circuit Breaker)	12
52	12-00474-01	Box Assembly Transformer	1
53	42-00471-01	Gasket	1
54	34-06221-00	Screw, Hex Head 10-24 X 2.50	2

77-01699-05

2.22 HEATER KIT

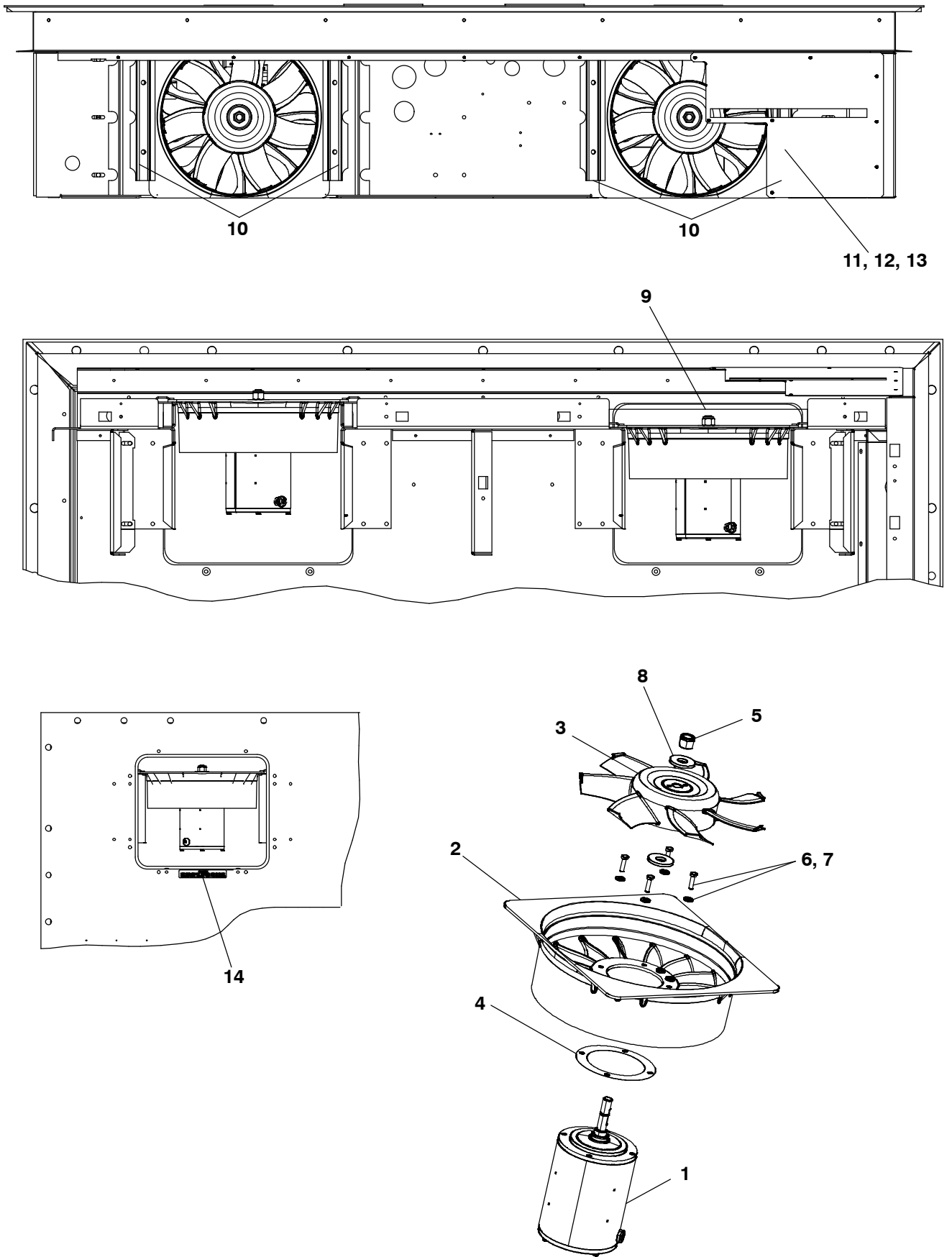


77-01614

Item	Part Number	Description	Qty
1	24-66603-00	Defrost Heater	6
2	86-04956-00	Retainer Assembly	1
3	69NT35-2692-1	Washer, Fender 1/4-.993-1.015 OD	1
4	34-00655-12	Screw, Cap Hex Head 1/4-20 X 1.50	2
5	34-00663-11	Washer, Lock 1/4 Spring	3
6	34-00655-10	Screw, Cap Hex Head 1/4-20 X 1.25	1
7	68-16894-00	Bracket	1
8	66U1-5321-3	Washer, Plain 1/4 N Type A	2

77-01614-00

2.23 EVAPORATOR FAN AND MOTOR KIT



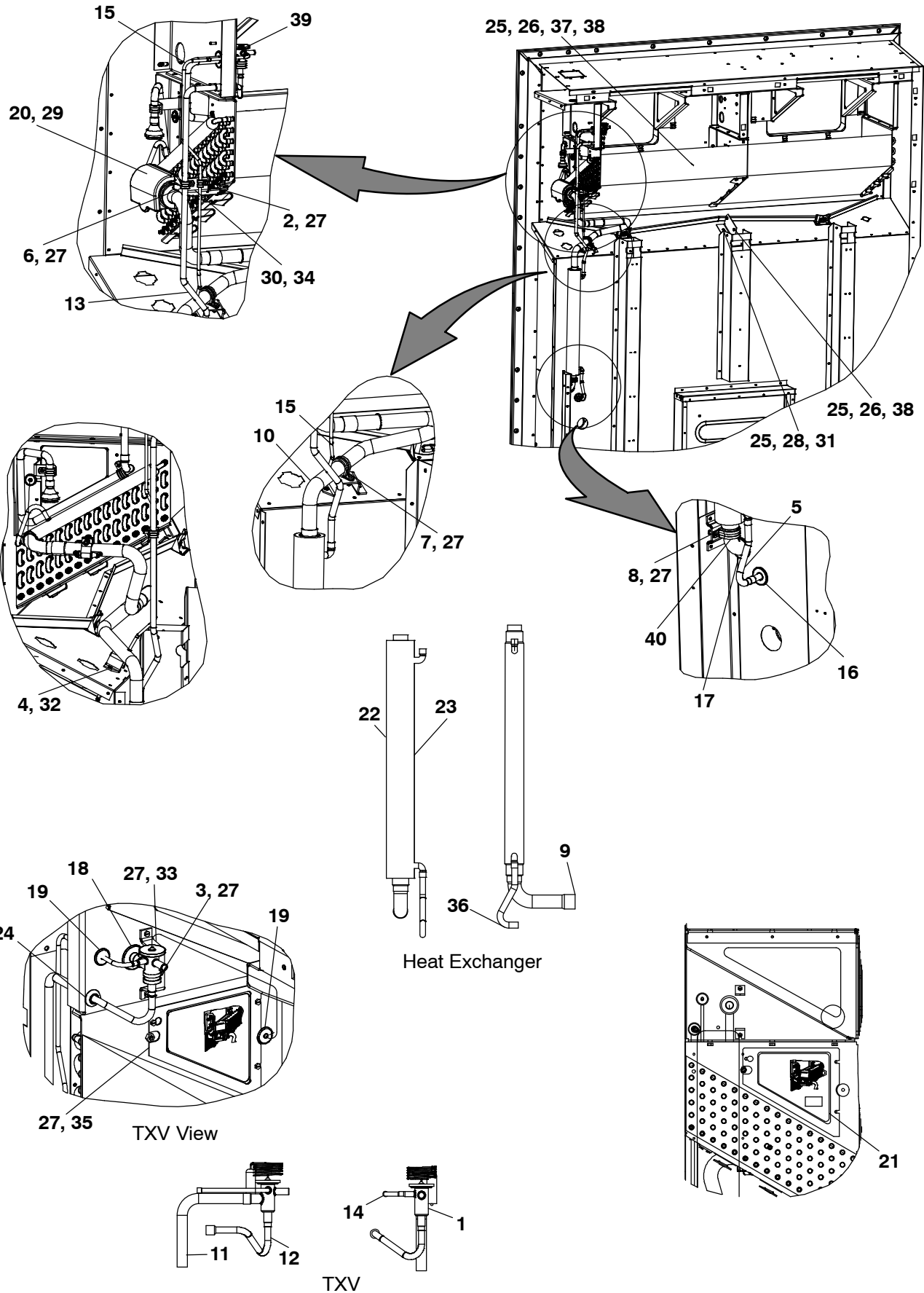
77-66667

2.23 EVAPORATOR FAN AND MOTOR KIT (Continued)

Item	Part Number	Description	Qty
1	54-00648-20	Evaporator Motor	2
	04-50029-00	Bearing Shaft End	1
	04-50029-01	Bearing Opposite End	1
2	48-00413-01	Stator	2
3	38-00599-00	Evaporator Fan	2
4	58-04770-00	Protector	2
5	34-00795-17	Nut, Self Lock	2
6	34-06165-08	Screw, Cap Hex Head 1/4-20X1.00	8
7	66U1-5321-3	Washer, Plain 1/4 N Type A	8
8	34-00616-06	Washer, Special 5/8, 18-8	4
9	66U1-2552-185	Gasket .75 Thick X 1.5X16.63	1
10	69NT43-295	Bracket Assembly	4
11	34-00655-08	Screw, Cap Hex Head 1/4-20 X 1.00	4
12	34-00663-11	Washer, Lock 1/4 Spring	4
13	69NT35-2692-1	Washer, Fender 1/4	4
14	62-11602-00	Label Motor	2

77-66667-01,04

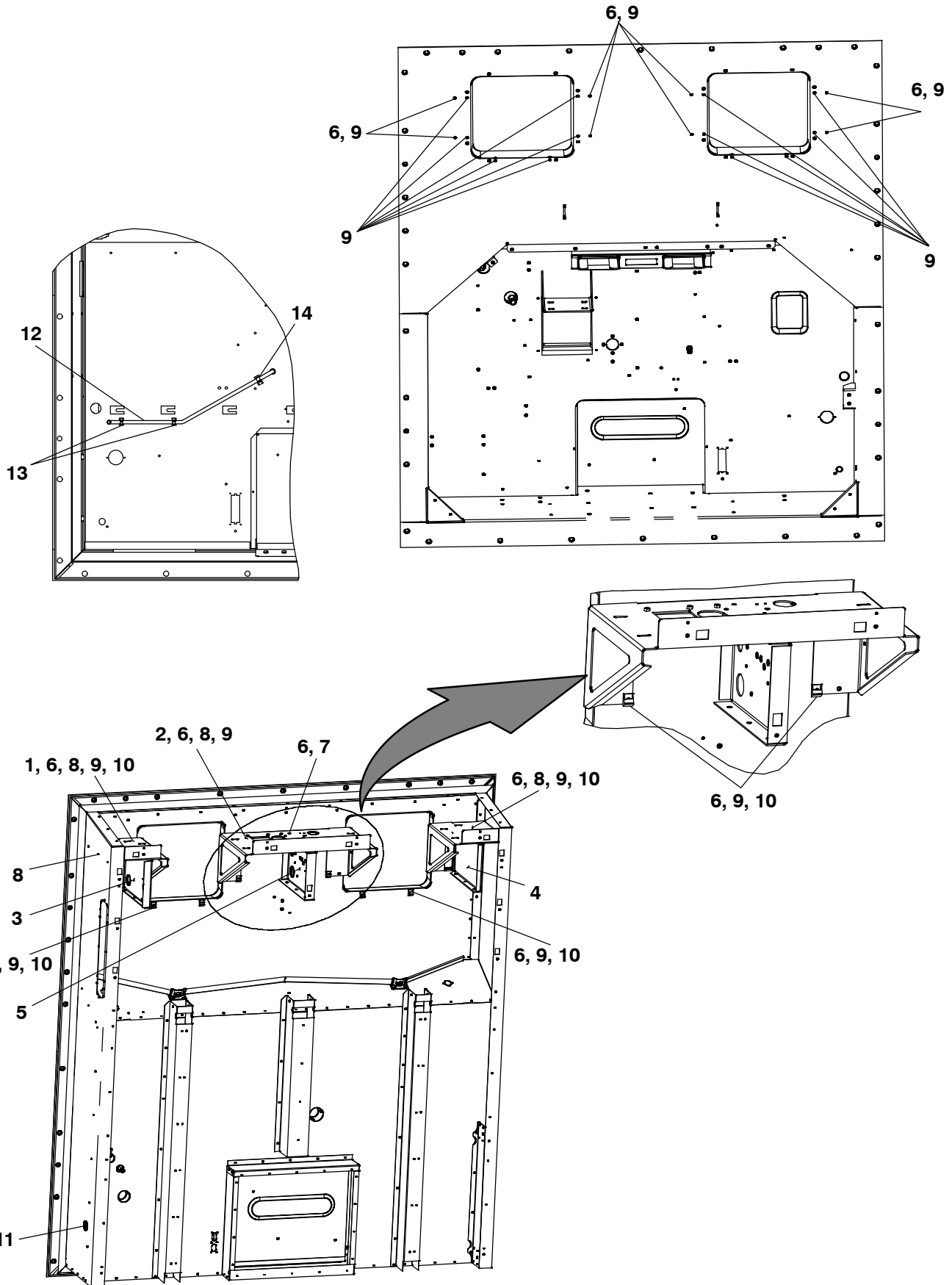
2.24 EVAPORATOR KIT



2.24 EVAPORATOR KIT (Continued)			
Item	Part Number	Description	Qty
1	14-00273-24	Valve, Evaporator TXV	1
2	34-00373-51	Clamp, Tube	1
3	34-00373-59	Clamp, Tube	1
4	34-00928-09	Rivet, Blind	2
5	42-00237-12	Insulation, Tube Neoprene	1
6	44-00370-03	Clamp, Cushioned	1
7	44-00370-08	Clamp, Cushioned	1
8	44-00370-10	Clamp, Cushioned	1
9	56-07323-00	Tube, Suction 1.125 OD	1
10	56-09184-00	Tube, Suction 1-1/8 OD X 0.050	1
11	56-09147-00	Tube, Liquid 5/8 OD X 0.040	1
12	56-09029-00	Tube, Liquid 3/8 OD X 0.028	1
13	56-09183-00	Tube, Liquid 1/2 OD X 0.035	1
14	56-08348-00	Tube Equalizer	1
15	56-09185-00	Tube, Equalizer	1
16	58-00065-06	Grommet Neoprene	1
17	58-00065-10	Grommet Neoprene	1
18	58-00065-56	Grommet	2
19	58-00065-46	Grommet	2
20	58-04664-00	Insulation, Foam Formed, TXV Bulb	1
21	62-11746-00	Label TXV Bulb	1
22	65-00144-00	Heat Exchanger R134 Suction Line	1
23	66CH1-1012-59	Insulation, Tube 1.625 ID X 20.25	1
24	66U1-1571-3	Grommet	1
25	66U1-5321-3	Washer, Plain 1/4 N Type A	13
26	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X 0.75	11
27	66U1-5381-1	Screw, Hex Head #10-24 X0.75	10
28	66U1-7452-3	Screw, Lag 1/4-10 X 2.00 Hex Head	2
29	66U1-3882-3	Wire Tie 1/16-4.0 Self Locking	2
30	66U1-5381-3	Screw, Hex Head #10-24 X0.63	2
31	68-16893-00	Bracket	1
32	68-17190-00	Bracket	1
33	68-15015-00	Bracket, TXV	1
34	68-16715-00	Bracket	1
35	68-17089-00	Plate, Cover	1
36	56-09031-00	Tube, Liquid 1/2 OD X 0.035	1
37	81-04186-20	Coil Assembly, Evaporator	1
38	34-00663-11	Washer, Lock 1/4 Spring	11
39	42-00032-14	Insulation	2
40	42-00032-15	Insulation	1

77-01663-00

2.25 FRAME KIT



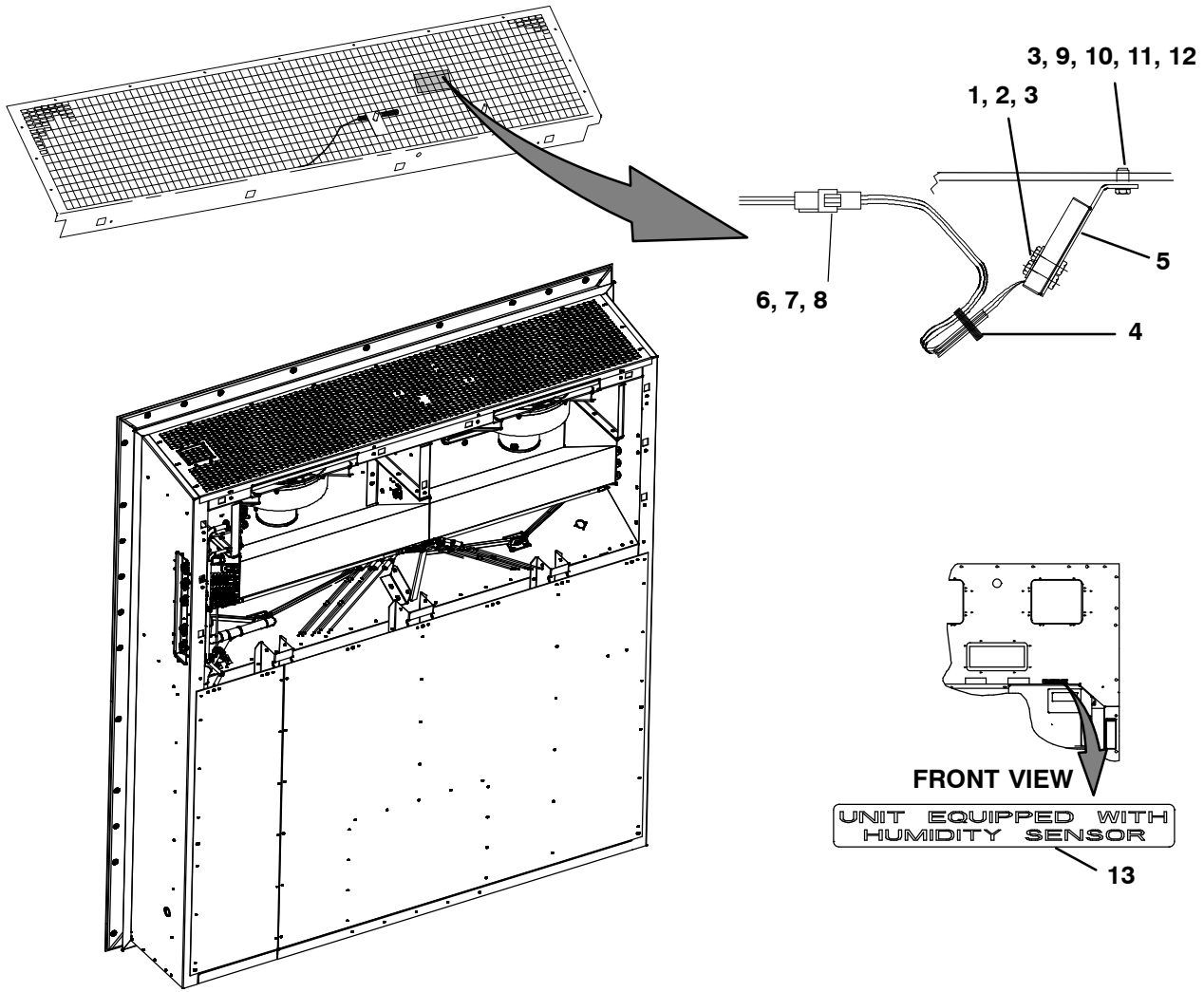
77-01676

2.25 FRAME KIT (Continued)

Item	Part Number	Description	Qty
1	68-16696-00	Fan Deck	1
2	68-17419-00	Fan Deck Assembly	1
3	68-16704-00	Panel	1
4	68-16767-00	Panel Assembly	1
5	68-17145-00	Panel Assembly	1
6	66U1-5321-3	Washer, Plain 1/4 N Type A	35
7	66U1-5361-25	Screw, Cap Hex Head 1/4-20 X .75	9
8	34-00928-09	Rivet, Blind	23
9	34-00655-10	Screw, Cap Hex Head 1/4-20 X 1.25	32
10	69NT35-2692-1	Washer, Fender 1/4	10
11	66U1-5562-2	Plug, Button	1
12	56-09032-00	Tube, Liquid 1/2 OD X 0.035	1
13	44-66608-00	Clip, Retaining	2
14	44-66608-01	Clip, Retaining	1

77-01676-00,01

2.26 HUMIDISTAT KIT

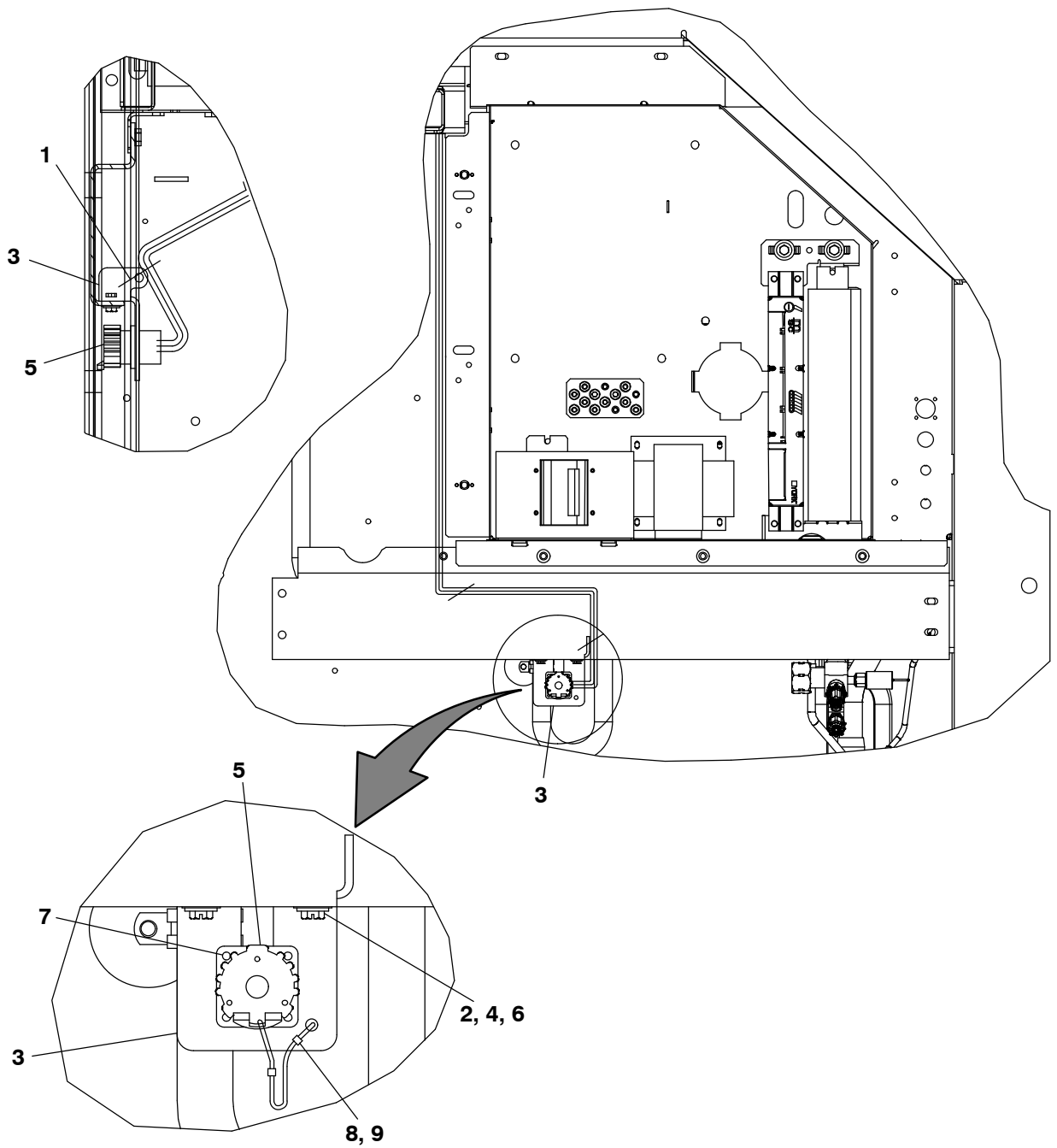


77-01009

Item	Part Number	Description	Qty
1	12-00686-00	Sensor, Humidity	1
2	66U1-5371-10	Screw, Machine Hex Head #10-24 X 1.00	4
3	66U1-5321-8	Washer, Plain #10 Type A	4
4	66U1-3882	Wire Tie	1
5	68-13181-01	Bracket Assembly Humidity Sensor	1
6	22-01613-06	Plug 3 Pin	1
7	22-01613-07	Lock, Secondary 3 Pin (P)	1
8	22-01613-13	Contact Socket	3
9	AU27JR131	Washer, Lock #10 Ext Tooth	2
10	34-06051-32	Rivnut	2
11	66U1-5371-7	Screw, Machine Hex Head #10-24 X 0.500	2
12	66U1-5321-7	Washer, Plain 1/4 W Type A	2
13	69NT-35-3907	Label Humidity Sensor	1

77-01009-11

2.27 INTERROGATE KIT

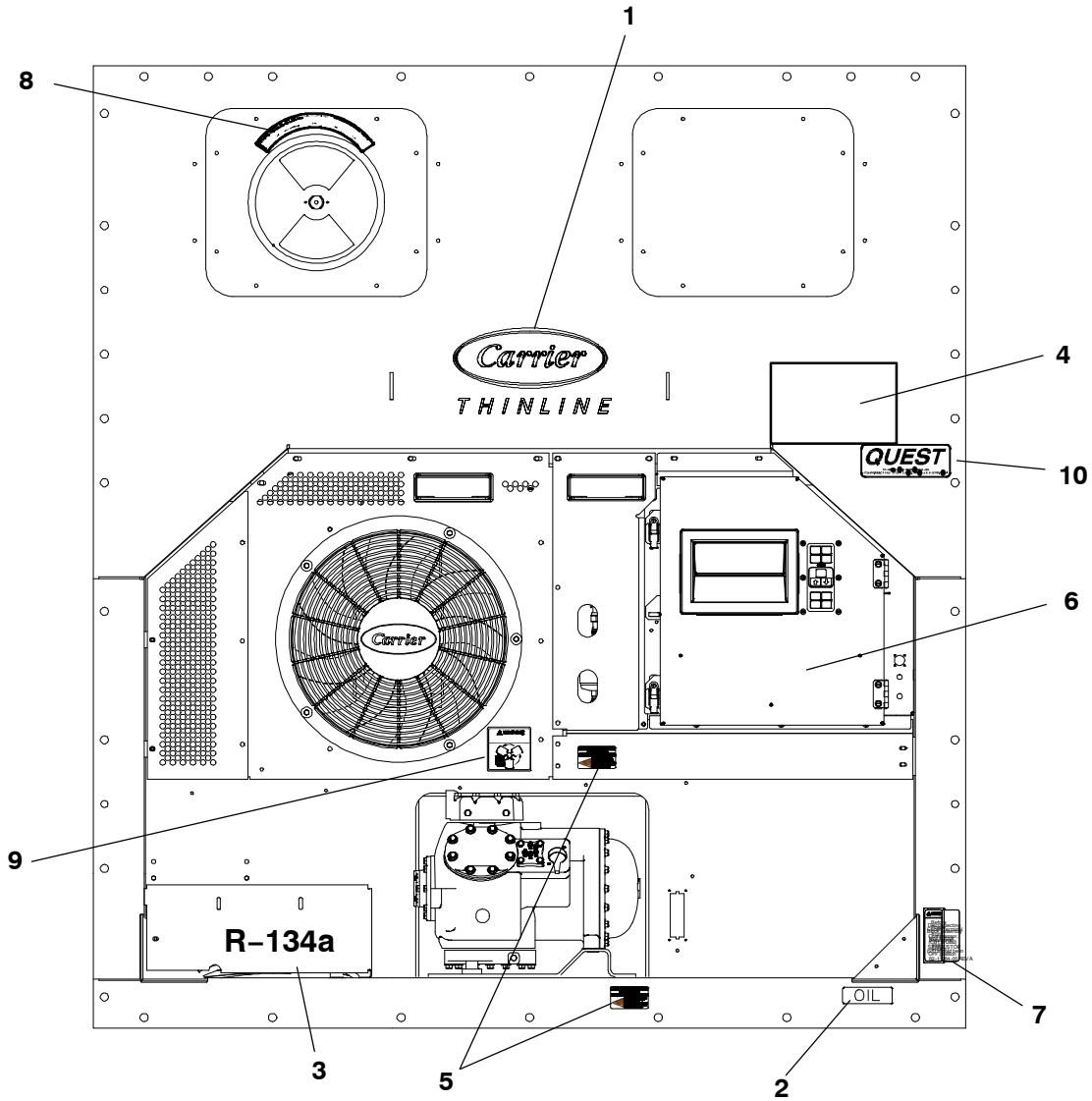


77-01608

Item	Part Number	Description	Qty
1	66U1-3882	Wire Tie 1/16-1-3/4	4
2	66U1-5321-8	Washer, Plain #10 Type A	2
3	68-17021-00	Bracket	1
4	66U1-5371-7	Screw, Machine Hex Head #10-24 X 0.500	2
5	22-01660-05	Dust Cap	1
6	34-06053-05	Washer .205 ID X .600 OD	2
7	34-06142-00	Rivet	4
8	58-01097-00	Cord, Nylon	1
9	22-02205-00	Connector	2

77-01608-01

2.28 LABEL KIT

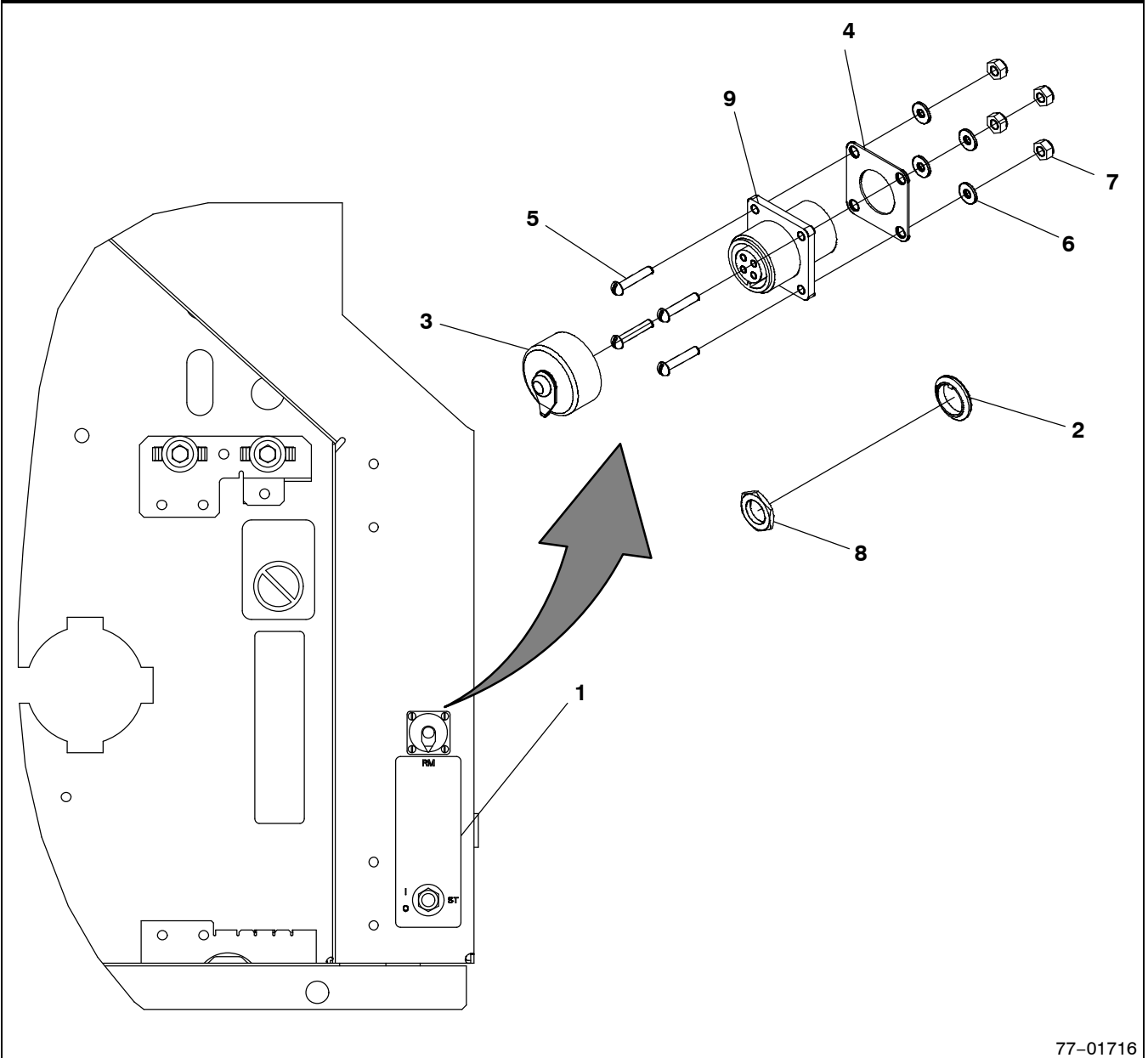


77-01691

Item	Part Number	Description	Qty
1	62-11424-00	Label, Carrier	1
2	62-11263-00	Label, Poe Compressor Oil	1
3	62-11252-00	Label, R-134A	1
4	62-66682-01	Label, Pti	1
5	62-66081-00	Label, Warning Refrig (R-134A)	2
6	62-11739-01	Label, Code-Ctn (English)	1
	62-11739-03	Label, Code-Ctn (English, Traditional Chinese)	1
	62-11739-04	Label, Code-Ctn (English, Traditional Chinese, Japanese)	1
7	62-11264-01	Label, Compressor Warning	1
8	62-02723-00	Label Upper Fresh Air	1
9	62-11735-01	Label Fan Warning	1
10	62-66711-00	Quest	1

77-01691-01,07

2.29 PANEL KIT



77-01716

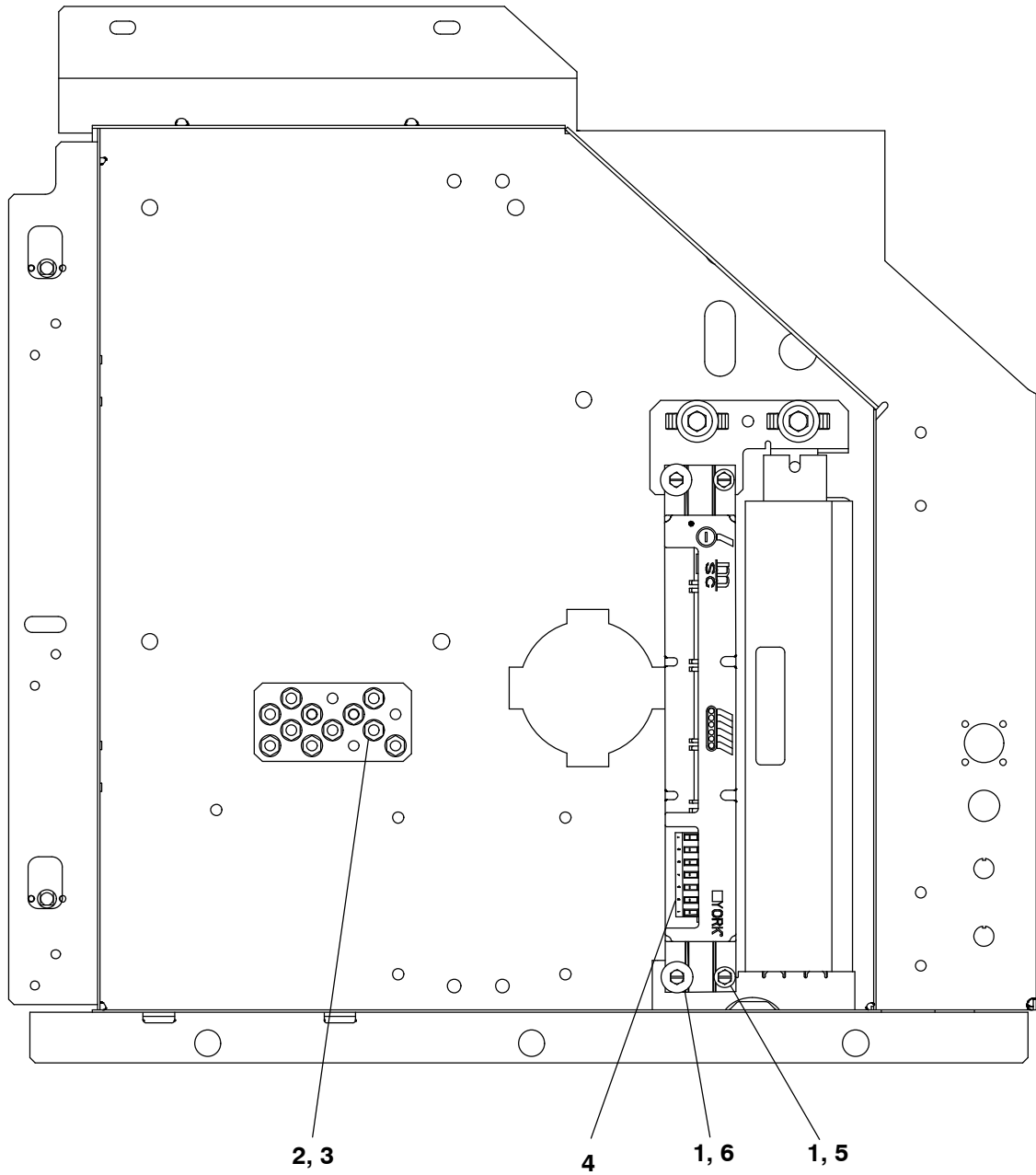
Item	Part Number	Description	Qty
1	62-11731-01	Label St, Rm/Switch	1
2	66U1-9752	Seal	1
3	22-02341-01	Cap & Tether Receptacle Assembly	1
4	MS510074	Gasket	1
5	34-00848-10	Screw, Machine	4
6	66U1-5321-6	Washer, Plain .125 ID Type A	4
7	34-00667-05	Nut, Self Lock	4
8	10-01129-20	Nut, Hex 15/32-32	1
9	22-01604-00	Receptacle 4 Connections	1

NO RM RECEPTICAL

1	62-11731-00	Label St, Rm/Switch	1
2	66U1-9752	Seal	1
8	10-01129-20	Nut, Hex 15/32-32	1

77-01716-00,01

2.30 RMU KIT

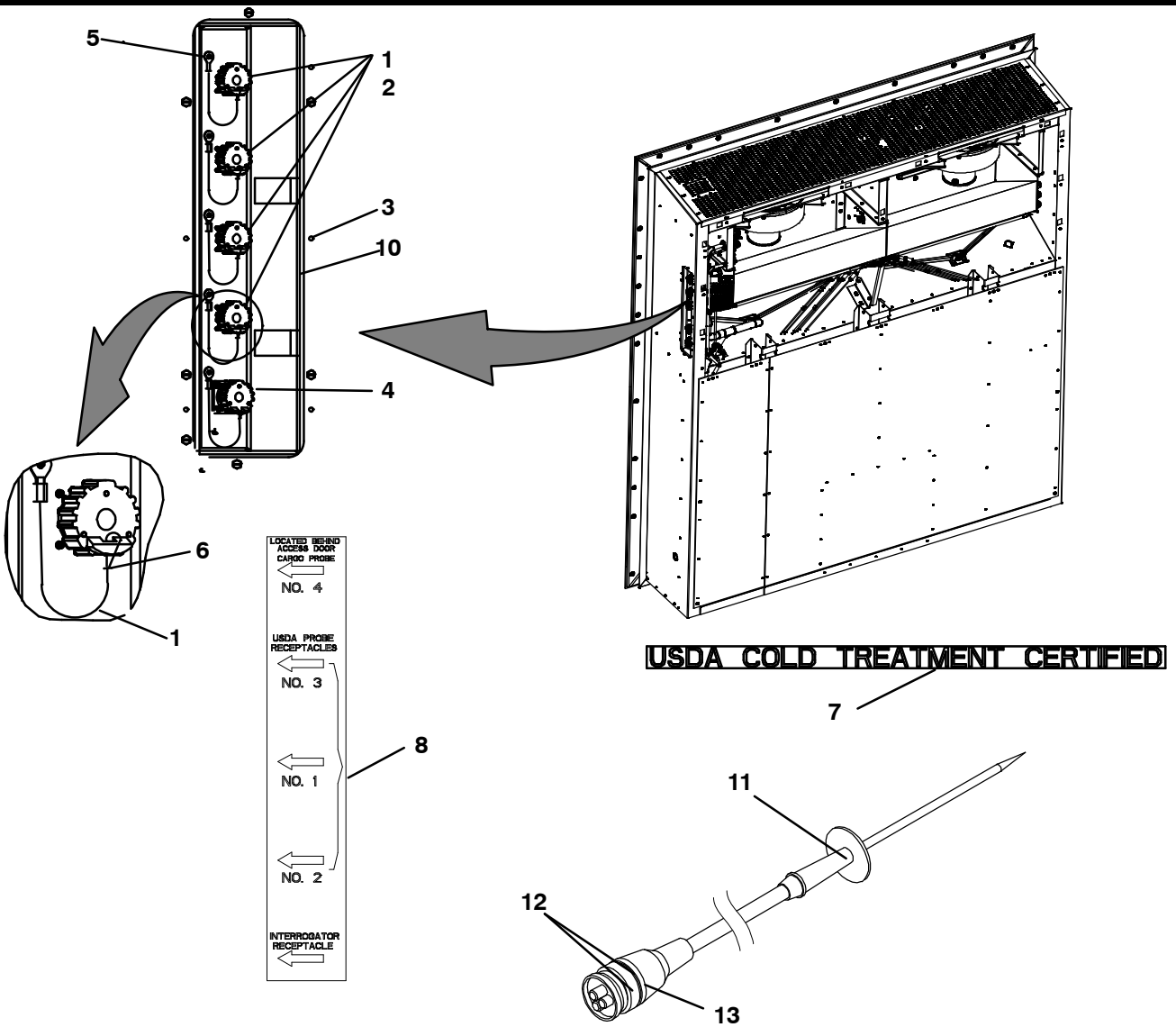


77-01517

Item	Part Number	Description	Qty
1	66U1-5371-7	Screw, Machine Hex Head #10-24 X .500	4
2	AT39JA171	Nut, Hex 43834	2
3	AU27JR171	Washer, Lock 1/4 Ext Tooth	2
4	22-01556-00	Connector	1
5	66U1-5321-8	Washer, Plain #10 Type A	2
6	69NT35-2692-4	Washer, Fender #10-.743-.765 OD	2

77-01517-00

2.31 USDA KIT

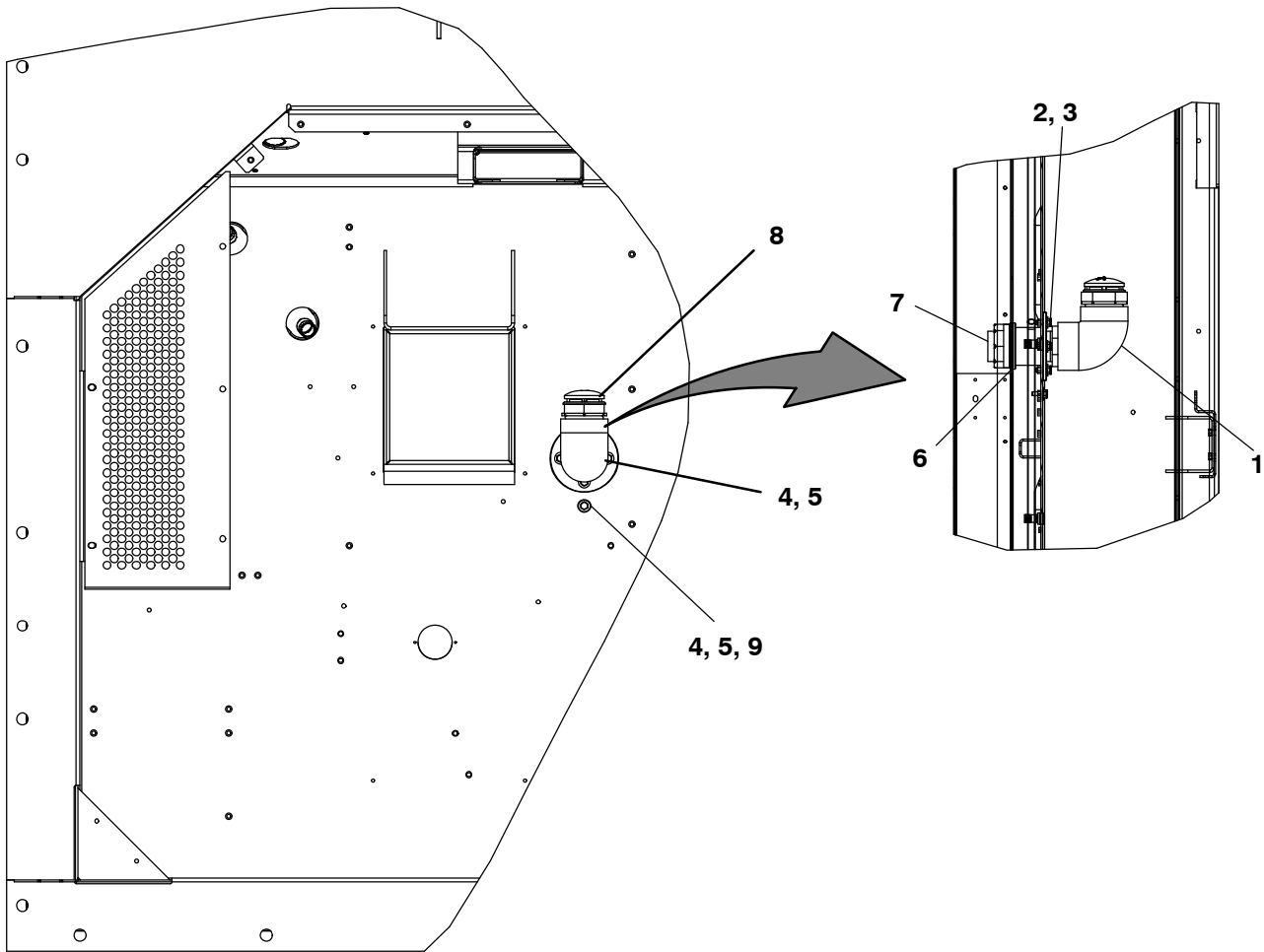


77-01651

Item	Part Number	Description	Qty
1	69NT35-636-1	Tether Assembly	5
2	22-01660-02	Cap, Dust, (3-Pin Receptacle)	4
3	66U1-5371-7	Screw, Machine, Hex Head, #10-24 X 0.500 Slotted	6
4	22-01660-05	Cap, Dust (5-Pin Receptacle)	1
5	34-06142-00	Rivet, 0.110 Inch Diameter, 0.126-0.250	25
6	22-02205-00	Connector Splice, Non-Insulated	5
7	62-11275-00	Label, USDA Cold Treatment Certified	1
8	62-11729-00	Label, USDA	1
9	66U1-3882	Wire Tie, 1/16-1-3/4, Self-Locking	4
10	68-17023-00	Panel	1
USDA PROBE KIT			
11	12-50089-00	Sensor Assembly, 600 Inches Long (15M) (USDA Probe) - Includes:	A/R
12	22-50127-00	Plug, Socket (PR1, PR2, PR3, Cargo Probe 4)	1
13	22-01613-15	Contact, Socket, #16	A/R

77-01651-00

2.32 VACUUM RELIEF VALVE

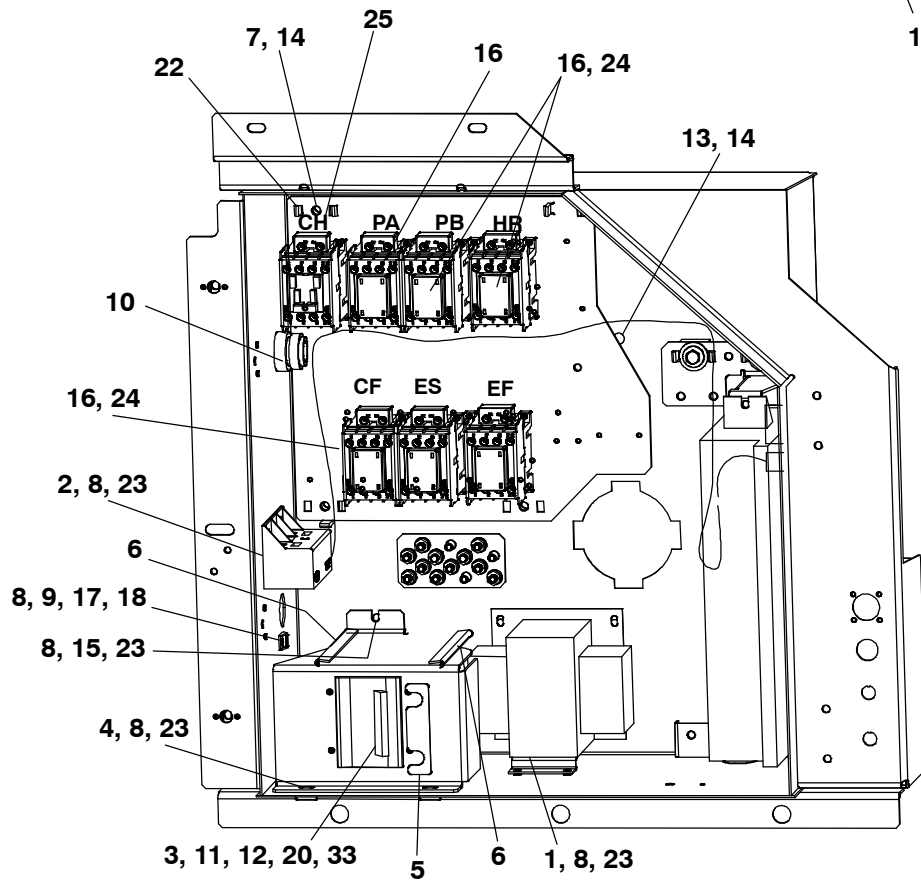
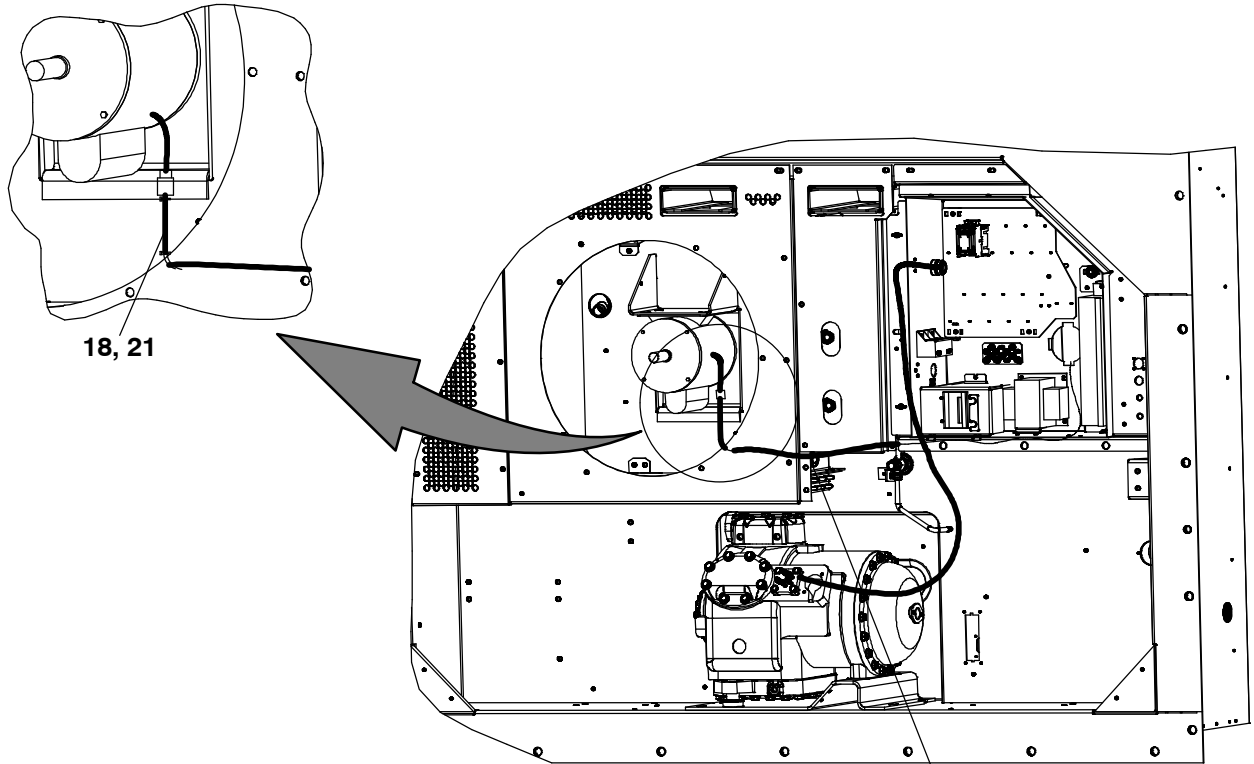


77-01742

Item	Part Number	Description	Qty
1	58-04127-06	Elbow, Schedule 80	1
2	58-04127-00	Tube, Flanged, Plastic	1
3	58-04127-07	Collar	1
4	66U1-5321-7	Washer, Plain, 1/4	A/R
5	66U1-5361-25	Screw, Hex Head, 1/4-20 X 0.75	A/R
6	58-00065-72	Grommet	1
7	58-04127-05	Coupling, Schedule 80	1
8	40-66615-00	Vacuum Relief Valve	1
9	34-06053-00	Washer, Plain, 0.25 ID X 0.80 OD	8

77-01742-00

2.33 WIRING KIT

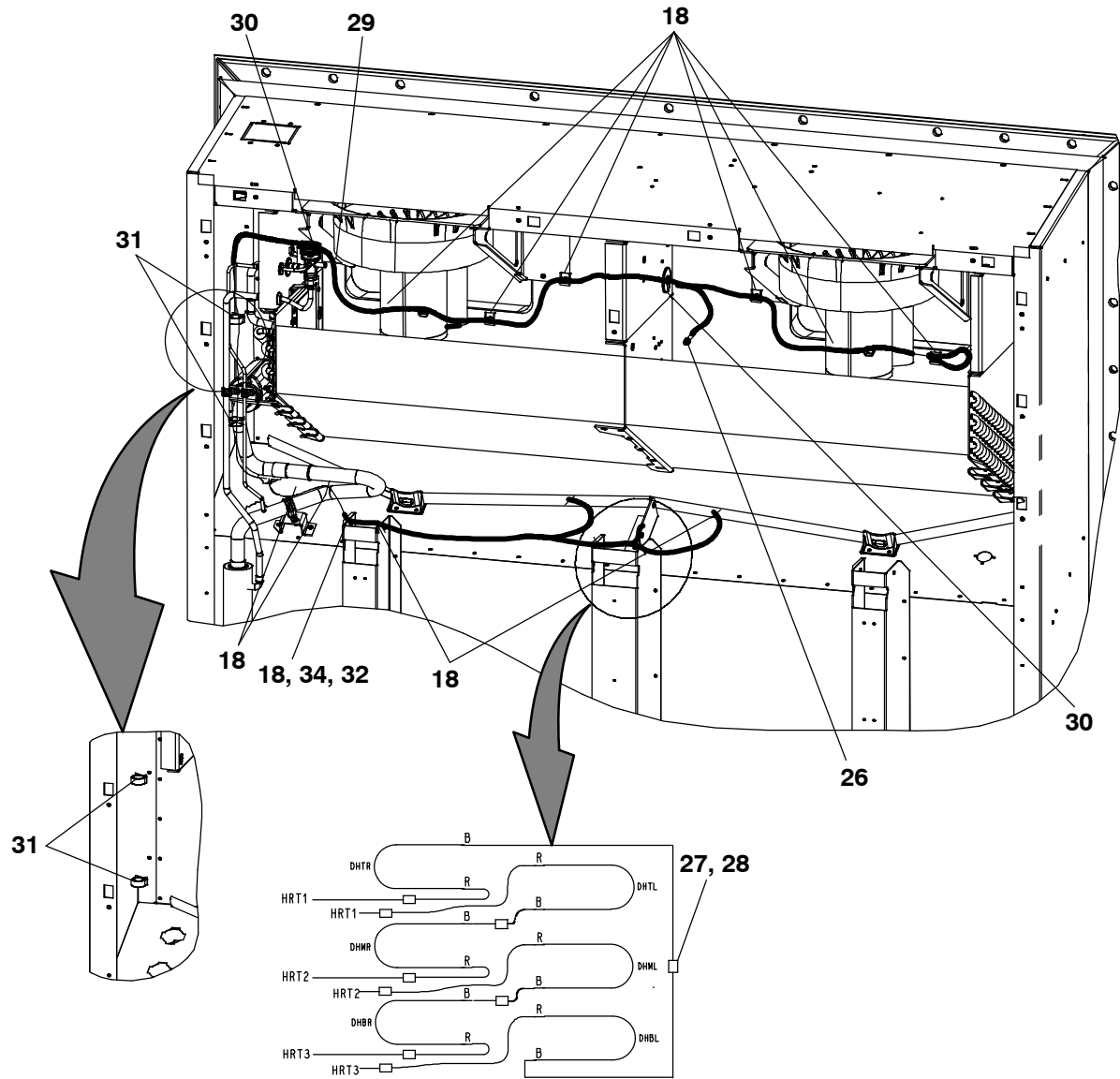


2.33 WIRING KIT (Continued)

Item	Part Number	Description	Qty
1	10-00332-21SV	Transformer Base Unit	1
2	10-00439-02	Transformer Current MI3	1
3	66U1-7842-12	Circuit Breaker 3 Pole, 600 Volt	1
4	68-17405-00	Bracket	1
5	69NT35-9073-1	Label Cb1	1
6	66CH1-1172-28	Trim, Flexible 6.00 Long	2
7	34-00655-08	Screw, Cap Hex Head 1/4-20 X 1.00	4
8	66U1-5371-7	Screw, Machine Hex Head #10-24 X 0.500	12
9	34-00663-09	Washer, Lock #10 Spring	1
10	22-02302-03	Connector 3/4	1
11	66U1-6651-19	Screw, Machine Pan Head #6-32 X 0.437	4
12	34-00663-07	Washer, Lock #6 Spring	4
13	34-00655-04	Screw, Cap Hex Head 1/4-20 X 0.50	1
14	66U1-5321-7	Washer, Plain 1/4 W Type A	5
15	34-06053-14	Washer, Retaining	1
16	10-00431-11	Cover Contactor	7
17	58-04246-00	Ty-Rap Base	1
18	66U1-3882	Wire Tie 1/16-1-3/4	42
19	58-00065-93	Grommet	1
20	66U1-7842-6	Nut, Hex 10-32 Circuit Breaker	6
21	58-00848-13	Tube, Slit 1/2 ID X 33	1
22	58-00967-00	Spacer Locking	4
23	66U1-5321-8	Washer, Plain #10 Type A	11
24	10-00431-00	Contactactor 12 Amp (HR, CF, ES, EF, PA, PB)	4
25	10-00431-01	Contactactor 30 Amp (CH)	3

77-01562-00

2.33 WIRING KIT (Continued)

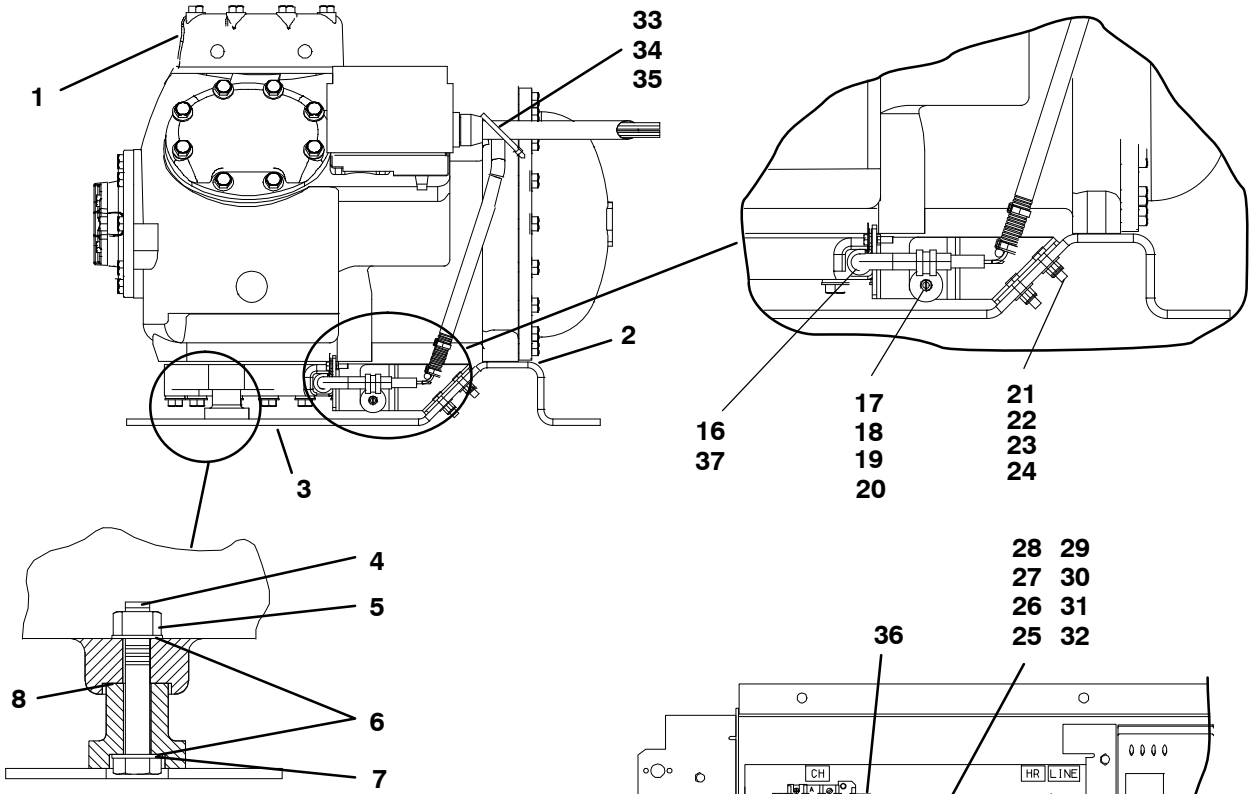


77-01562

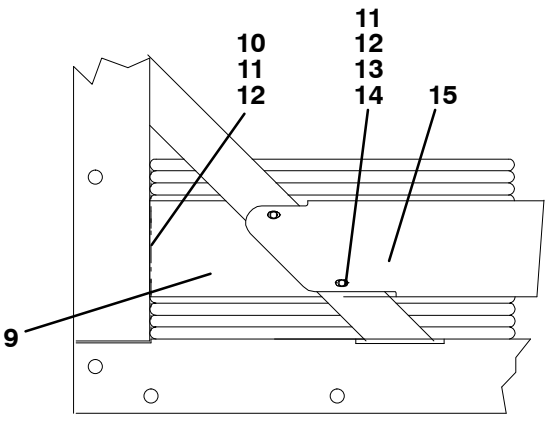
Item	Part Number	Description	Qty
26	34-01178-22	Screw, Hex Head #8-32 X 0.50	1
27	66U1-3803	Tube, Heat Shrink	9
28	22-01292-02	Butt Splice	9
29	66CH1-1172-2	Trim, Flexible 2.00	1
30	58-04273-00	Grommet	2
31	44-00361-00	Clip, Retaining	2
32	66CH1-1172-32	Trim, Flexible 2.25	4
33	66U1-7842-7	Washer, Flat #10-32	12
34	66NS1201CD0020	Sleeve .75 ID X 2.00	4

77-01562-00

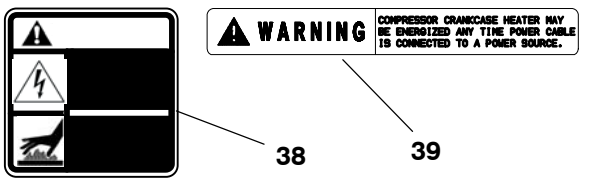
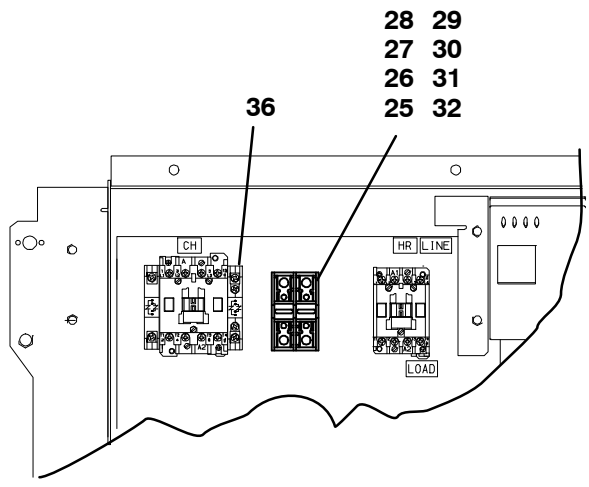
2.34 COMPRESSOR MOUNTING, GUARD, CRANKCASE HEATER COMPONENTS



Compressor Foot – Section View



Guards – Bottom Left Corner of Unit



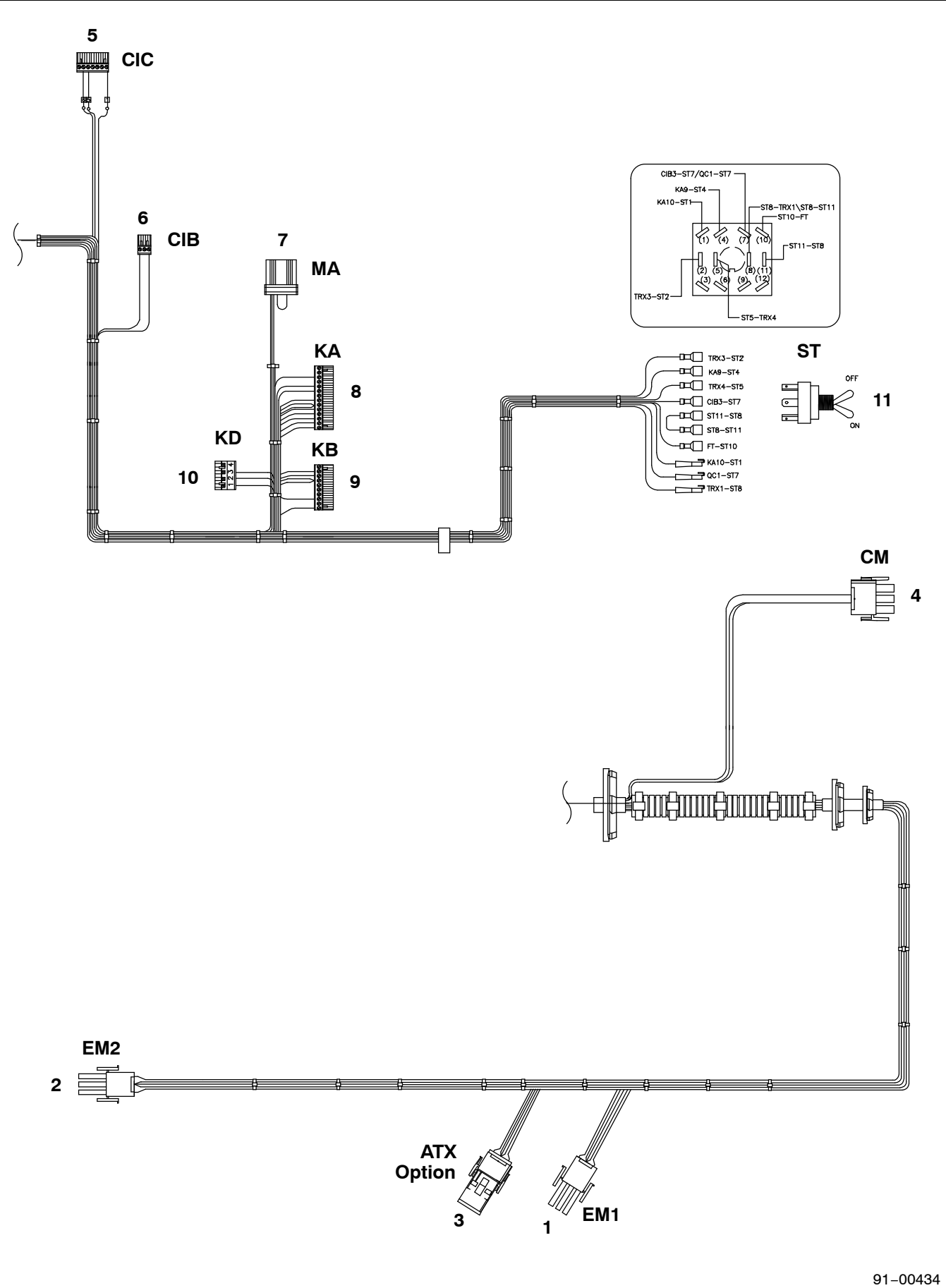
OPTION C – Compressor Crankcase Heater

Item	Part Number	Description	Qty
1	-	Compressor – Refer to Section 4	-
2	69NT35-6132	Protector (Compressor to Compressor Base)	1

2.34 COMPRESSOR MOUNTING, GUARD, CRANKCASE HEATER COMPONENTS (Continued)

Item	Part Number	Description	Qty
3	69NT43-469	Base, Compressor	1
NS	66U1-5361-7	Bolt, Hex Head, 3/8-16 x 1.00 lg. - SST	7
NS	66U1-5321-5	Washer, Flat, 3/8 - SST	7
NS	AU11JR241	Washer, Lock, 3/8 - SST	7
NS	34-06053-02	Washer, Mylar, 0.375 ID x 1.00 OD	7
4	34-00849-22	Cap screw, 7/16-14 x 2-3/4 lg. - SST	2
5	34-00667-14	Locknut, 7/16-14 - SST	2
6	66U1-5321-8	Washer, Flat, 7/16 - SST	4
7	34-06053-07	Washer, Mylar, 0.438 ID x 0.922 OD	2
8	34-06053-01	Washer, Mylar, 0.438 ID x 1.125 OD	2
9	68-12993-00	Panel, Guard	1
	68-12523-00	Panel, Guard - Large	1
10	66U1-5361-25	Screw, Hex Head, 1/4-20 x 3/4 lg. - SST	1
11	66U1-5321-7	Washer, Flat, 1/4 - SST	9
12	34-06053-00	Washer, Mylar, 1/4 ID x 3/4 OD	9
13	66U1-5361-11	Cap screw, Hex Head, 1/4-20 x 1-1/2 lg. - SST	4
14	34-00667-11	Locknut, 1/4-20 - SST	4
15	68-12432-00	Guard, Compressor, 0.125 Thick Alum. (Blue)	1
	68-12432-01	Guard, Compressor, 0.090 Thick Alum. (Blue)	1
	68-12432-02	Guard, Compressor, 0.090 Thick Alum. (White)	1
	68-12432-03	Guard, Compressor, 0.125 Thick Alum., For Right Extended Guard (Blue)	1
OPTION C - CRANKCASE HEATER			
-	76-00766-00	Crankcase Heater Installation Kit - Includes:	1
16	24-02019-02	Heater, Compressor Crankcase (CCH) NSS	1
17	44-00370-03	Clamp, Tube, Cushioned, 1/2 Diameter - SST	1
18	34-06053-03	Washer, Mylar, 1/4 ID x 1.0 OD	1
19	66U1-5371-6	Screw, Machine Hex Head, #10-24 x 0.75 lg. - SST	1
20	69NT-35-8284	Bracket, Heater Mounting	1
21	34-00655-08	Screw, Hex Head, 1/4-20 x 1.00 lg - SST	2
22	34-06053-00	Washer, Mylar, 0.25 ID x 0.75 OD	4
23	34-00662-11	Washer, Flat, 1/4 x 0.05 Thick.	4
24	34-00667-11	Locknut, 1/4-20	2
25	22-04044-00	Fuse Block	1
26	22-04044-01	Fuse Holder	2
27	22-04043-00	Fuse	2
28	34-01178-22	Screw, #8-32 x 0.5 long	2
29	66U1-5321-2	Washer, #8	2
30	66U1-5321-8	Washer, Flat #10	4
31	68-14852-00	Bracket, Fuse Holder Mounting	1
32	66U1-5381-1	Screw, Hex Head #10-24 x 0.75 long	4
33	58-04321-01	Tube, Split (3/8 x 72 long)	1
34	66U1-3882	Wire Tie	10
35	22-02302-02	Connector	1
36	10-00431-02	Contact, Aux.	1
37	02-00086-00	Thermo Grease	1
38	62-10921-00	Label	1
39	69NT35-8218-01	Label	1

2.35 WIRING ASSEMBLY, HIGH VOLTAGE HARNESS

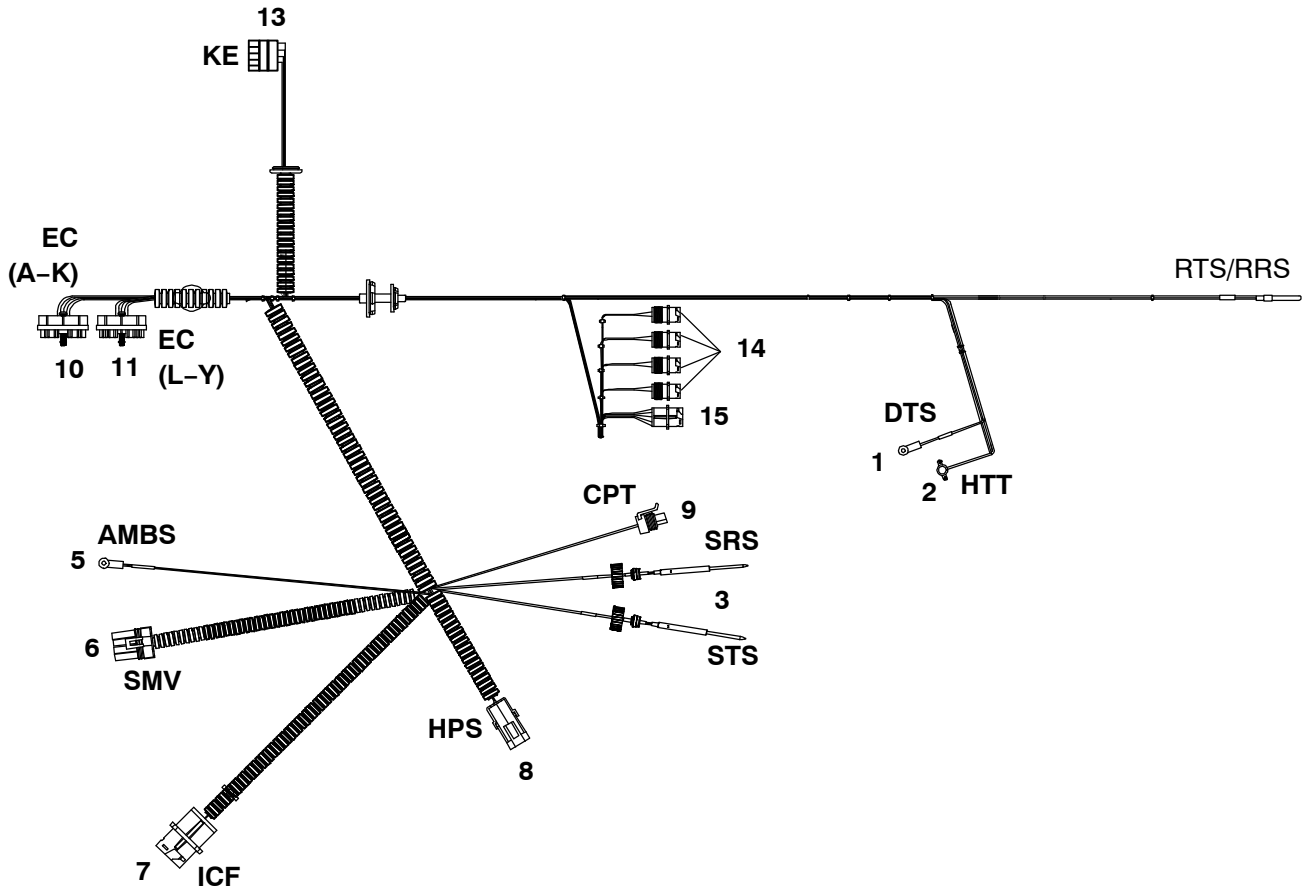


91-00434

2.35 WIRING ASSEMBLY, HIGH VOLTAGE HARNESS (Continued)			
Item	Part Number	Description	Qty
	91-00434-00	High Voltage Harness – Includes:	
1		EM1 – Includes:	
	22-01997-20	Plug	1
	22-01997-08	Sealing Plug	9
	22-01997-06	Terminal	3
	22-01997-21	Wire Seal	1
	22-01997-22	Interface Seal	1
2		EM2 – Includes:	
	22-01997-20	Plug	1
	22-01997-06	Terminal	9
	22-01997-08	Sealing Plug	3
3		ATX Option – Includes:	
	22-01997-12	Plug	1
	22-01997-11	Cap	1
	22-01997-08	Sealing Plug	18
	22-01997-06	Terminal	2
	22-01997-13	Wire Seal	2
	22-01997-14	Interface Seal	1
4		CM – Includes:	
	22-01997-12	Plug	1
	22-01997-06	Terminal	4
	22-01997-08	Sealing Plug	3
	22-01997-13	Wire Seal	1
	22-01997-14	Interface Seal	1
5		CIC – Includes:	
	22-01556-06	Block	1
	22-02324-09	Terminal	3
6		CIB – Includes:	
	22-01556-04	Block	1
	22-01735-00	Terminal	2
7		MA – Includes:	
	22-01622-01	Block	1
	22-01622-03	Terminal	5
8		KA – Includes:	
	22-01556-02	Block	1
	22-01735-00	Terminal	12
9		KB – Includes:	
	22-01556-01	Block	1
	22-01735-00	Terminal	7
10		KD – Includes:	
	22-04031-00	Block	1
	22-04032-00	Terminal	4
11	10-01129-11	Switch, Toggle, Start/Stop (ST)	1

91-00434-00

2.36 HARNESS – LOW VOLTAGE



22-04239

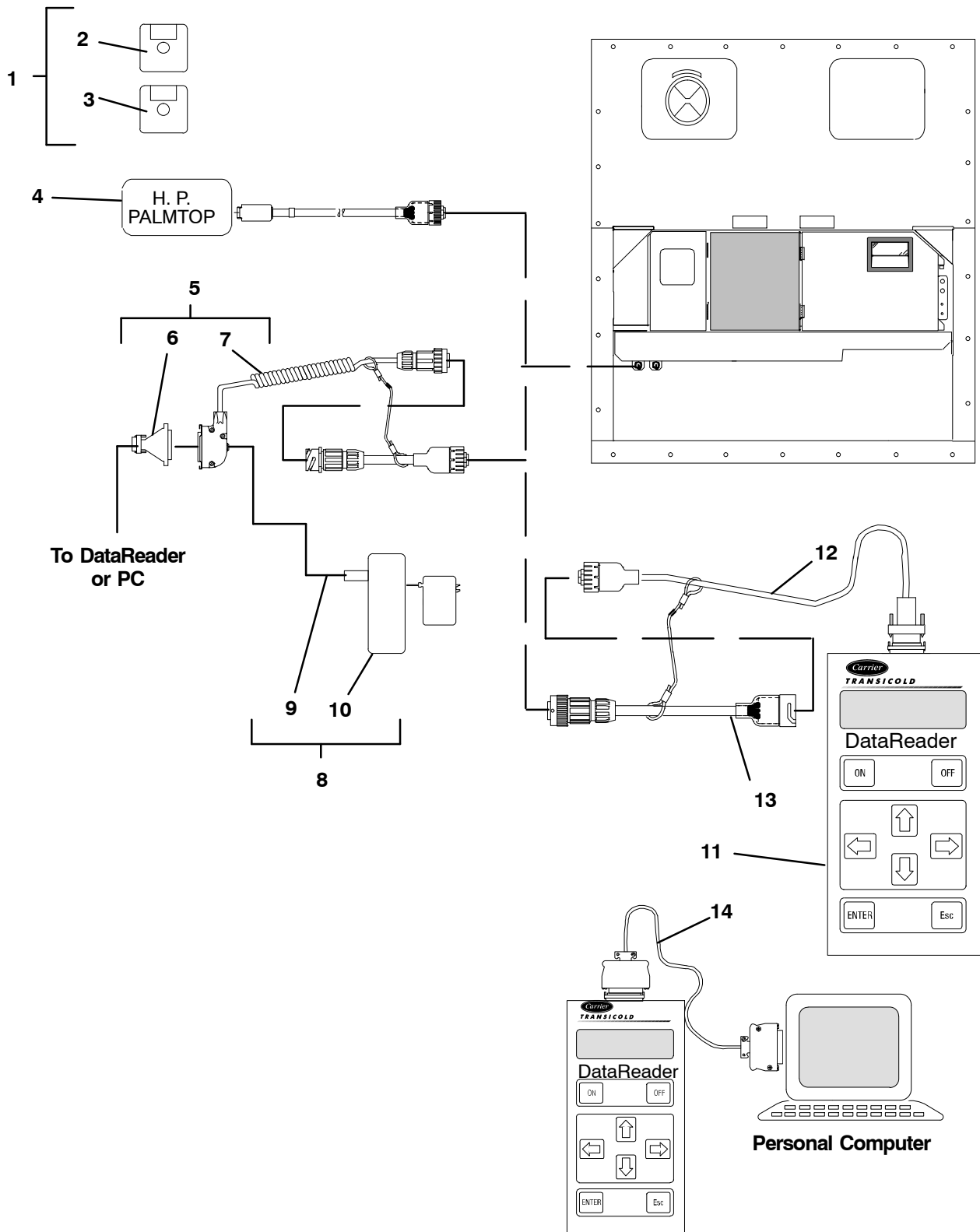
Item	Part Number	Description	Qty
1	12-00495-01	Sensor, Defrost Temperature (DTS)	1
2	12-00170-08	Sensor, Heater Termination Thermostat (HTT)	1
3	12-00395-02	Sensor, Supply Recorder/Supply Temperature (SRS/STS)	2
4	12-00500-00	Sensor, Return Recorder/Return Temperature (RTS/RRS)	1
5	12-00495-00	Sensor, Ambient Temperature (AMBS)	1
6	22-04239-03	Harness Low Voltage includes:	
		Suction Modulation Valve (SMV) – Includes:	
	22-01585-04	Block	1
	22-01566-01	Terminal	4
	22-02394-02	Cable Seal	4
7		ICF – Includes:	
	22-01660-03	Block	1
	22-01613-14	Terminal	5

2.36 HARNESS – LOW VOLTAGE (Continued)			
Item	Part Number	Description	Qty
8		High Pressure Switch (HPS) – Includes:	
	22-02392-00	Block	1
	22-02393-01	Terminal	2
	22-02394-00	Cable Seal	2
9		Condenser Pressure Transducer (CPT) – Includes:	
	22-04248-00	Block	1
	22-01777-03	Terminal	3
10		EC (A-K) – Includes:	
	22-01777-00	Block	1
	22-01777-03	Terminal	16
	22-01777-02	Seal	4
	22-01777-06	Seal	4
	22-01777-07	O-Ring	2
	66U1-6651-24	Bolt	1
11		EC (L-Y) – Includes:	
	22-01777-01	Block	1
	22-01777-03	Terminal	19
	22-01777-04	Seal	21
12		Suction Modulation Valve (SMV) – Includes:	
	22-01585-04	Block	1
	22-01566-01	Terminal	4
	22-02394-02	Seal	4
13		KE – Includes:	
	22-04031-01	Connector	1
	22-04032-00	Terminal	5
14		USDA – Includes:	
	22-01660-00	Connector	4
	22-01613-12	Terminal	8
	22-01614-06	Plug	4
15		USDA – Includes:	
	22-01660-03	Connector	1
	22-01613-12	Terminal	5

22-04239-03

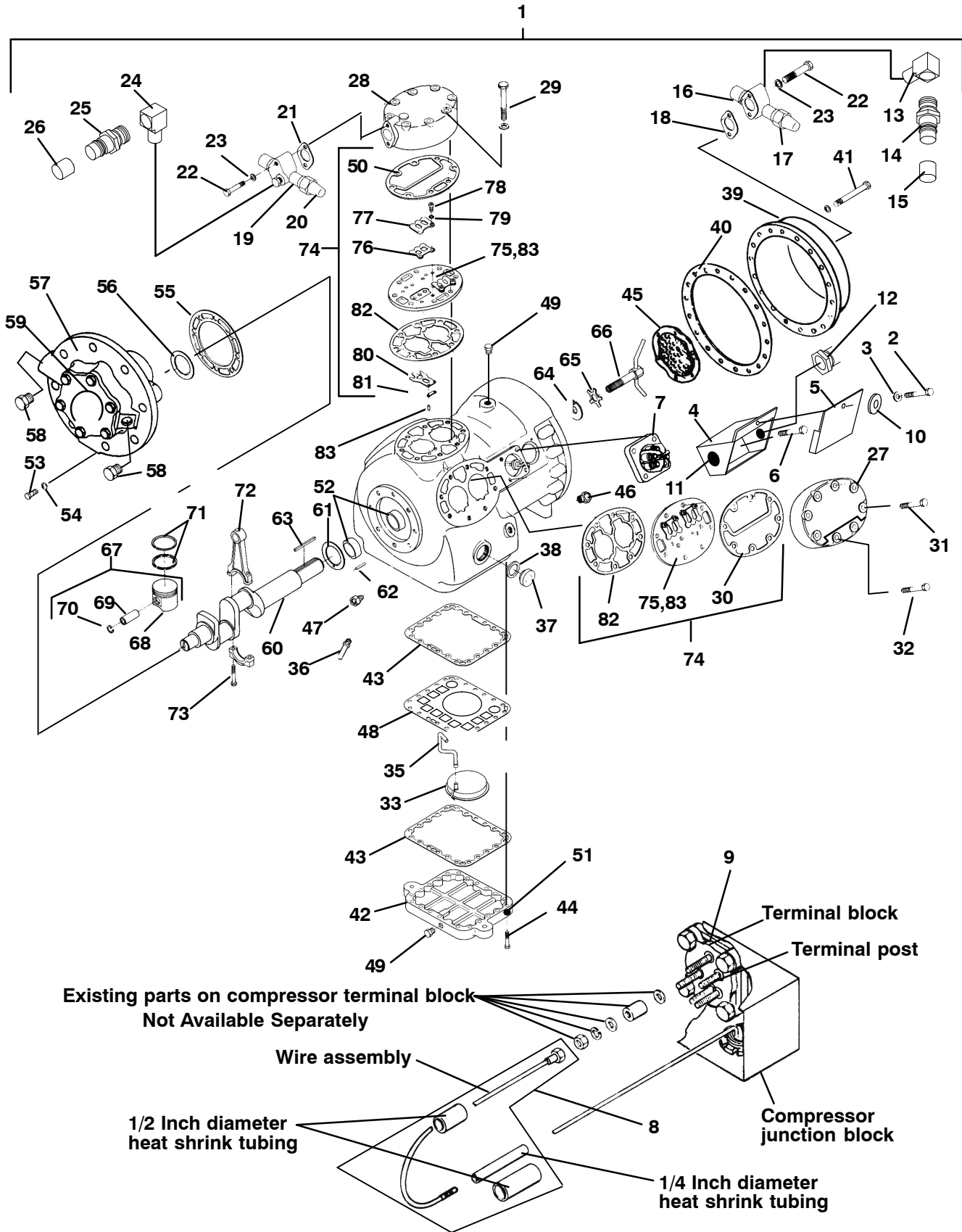
3 INTERROGATOR AND ACCESSORIES

3.1 DATAVIEW/DATAREADER



3.1 DATAVIEW/DATAREADER (Continued)			
Item	Part Number	Description	Qty
1	07-00406-00	Disk Kit, DataView (SEE NOTE) – Includes:	1
2	12-00413-05SV	Software, DataView NSS	1
3	12-00528-00	Software, DataView (Scroll) NSS	1
4	22-01737-02	Cable, H. P. Palmtop	1
5	76-50059-00	Kit, Cable, with Adapter – Includes:	1
6	22-02418-02	Cable, Interrogator	1
7	22-02420-00	Adapter	1
8	76-50058-00	Kit, Battery, with Cable – Includes:	1
9	NSS	Battery, External, with Battery Charger	1
10	22-02401-00	Cable	1
11	No Longer Offered	DataReader	1
12	22-01737-00	Cable, Download	1
13	22-01737-01	Cable, Adapter	1
14	22-01743-00	Cable, Upload	1

4 COMPRESSOR ASSEMBLY



Existing parts on compressor terminal block
Not Available Separately

Wire assembly

1/2 Inch diameter
heat shrink tubing

1/4 Inch diameter
heat shrink tubing

Terminal block
Terminal post
Compressor
junction block

4.1 OPTION 1R – SERVICE REPLACEMENT COMPRESSOR			
Item	Part Number	Description	Qty
1	18-00055-20SV	Compressor, 41 CFM, Single Speed , 460 vac/3 ph/60 hz	1
NS	07-00292-00	SW20 Compressor Oil, Castrol Icematic (Quart)	4
NOTE			
Replacement Compressor is sold without terminal box and cover, and without shut-off valves. Customer should retain the original terminal box and valves for use on replacement compressor.			
4.2 TERMINAL MOUNTING AND JUNCTION BOX GROUP			
2	66U1-5371-7	Screw, Hex Head, #10-24 x 1/2 lg. (cover to box) – SST	2
3	66U1-5321-8	Washer, Flat, #10 (cover to box) – SST	2
4	69NT20-513-1S V	Box, Junction (Located on Front of Compressor) – Includes:	1
4	69NT20-513SV	Box, Junction (Located on Back of 230/460v Compressor) – Includes:	1
5	69NT20-2083	Cover, Junction Box	1
6	AD61JA124	Screw, Pan Head, #10-32 x 3/8 lg. (box to compressor)	4
7	17-40093-06	Terminal, Compressor (5 Terminals)	1
7	17-40093-05	Terminal, Compressor (6 Terminals)	1
8	76-00355-00	Kit, Compressor Terminal Wiring (Single Voltage)	1
NS	76-00384-00	Kit, Compressor Terminal Wiring (Dual Voltage or Single Voltage)	1
9	17-40075-05	Gasket, Terminal Plate – Fiber	1
	17-44128-00	Gasket, Terminal Plate – Coated Steel	1
10	34-06053-05	Washer, Mylar, 0.205 ID x 0.600 OD	2
11	66U1-5562-7	Plug, 1-1/4 Diameter – Plastic	A/R
12	22-02302-03	Connector, 3/4 Conduit	A/R
4.3 SERVICE VALVE GROUP			
13	40-00523-00	Elbow, M13 x M13 – Brass	1
14	40-00520-00	Coupling, M13 – Brass – Includes:	1
15	40-00520-02	Cap, Service Port	1
16	14-00206-00	Valve, Suction Shut-Off, 1-1/8 ODS	1
17	17-10812-00	Cap, Seal	1
18	17-10811-05	Gasket, Suction Service Valve	1
19	14-00206-01	Valve, Discharge Shut-Off, 7/8 ODS	1
20	17-10812-00	Cap, Seal	1
21	17-10811-05	Gasket, Discharge Service Valve	1
22	66U1-5361-46	Bolt, Hex Head, 5/16-18 x 1-7/8 lg. – SST	2
23	17-40013-00	Gasket, Bolt, 5/16	2
24	40-00523-01	Elbow, M15 x M15 – Brass	1
25	40-00520-01	Coupling, M15 – Brass – Includes:	1
26	40-00520-03	Cap, Service Port	1
4.4 COMPRESSOR – MOTOR BODY GROUP			
NS	-	Gasket Set (Refer to Section 4.8)	
27	17-21040-00	Head, Cylinder – Side Bank (Shaved Head)	2
28	17-40016-01	Head, Cylinder – Center Bank	1
29	17-40018-05	Screw, Hex Head – Center Head, 3/8-16 x 3.00 lg. – SAE Grade 5	8
30	17-44124-00	Gasket, Cylinder Head (Side Bank) – Coated Steel	3
31	17-40034-05	Screw, Hex Head, 3/8-16 x 2.00 lg. – SAE Grade 5	12
32	17-40037-05	Screw, Hex Head, 3/8-16 x 1.00 lg. – SAE Grade 5	4
33	17-40020-00	Screen Assembly, Oil Filter	1

4.4 COMPRESSOR – MOTOR BODY GROUP (Continued)

Item	Part Number	Description	Qty
34	17-40007-00	Gasket, Bolt, 1/2	4
35	17-21062-00	Tube, Oil Suction	1
36	17-44763-00	Orifice, Oil Relief	1
37	17-21201-00SV	Sight Glass Package, Oil Level – Includes:	1
38	17-44021-00	Gasket, Sight Glass – Coated Steel	1
39	17-20004-00	Cover, Motor End	1
40	17-40029-05	Gasket, Motor End Cover – Fiber	1
40	17-44136-00	Gasket, Motor End Cover – Coated Steel	1
41	PL	Screw, Hex Head, 7/16-14 x 1-1/4 lg. – SAE Grade 5	18
42	17-40032-00	Plate, Bottom	1
43	17-40033-05	Gasket, Bottom Plate – Fiber	2
43	17-44129-00	Gasket, Bottom Plate – Coated Steel	2
44	17-40034-05	Screw, Hex Head, 3/8-16 x 2.00 lg. – SAE Grade 5	22
45	17-20005-00	Strainer Assembly, Suction	1
46	PL	Plug, Pipe, Oil Fill, 1/4	1
47	17-40042-00	Check Valve Assembly, Oil Return	1
48	17-21063-00	Plate, Screen Hold Down	1
49	PL	Pipe Plug (High & Low Pressure Connection and Oil Drain), 1/4-18 NPT	3
50	17-44123-00	Gasket, Cylinder Head (Center Bank)	1
51	-	Heater, Crankcase – See section 2.34	1
52	17-40025-00	Bushing, Motor End	2

4.5 PUMP END GROUP

53	17-40037-05	Screw, Hex Head, Bearing Head, 3/8-16 x 1.00 lg. – SAE Grade 5	8
54	17-40019-00	Gasket, Capscrew, 3/8	8
55	17-44022-00	Gasket, Cover Plate – Coated Steel	1
56	17-55009-01	Washer, Thrust	1
57	17-44137-00	Bearing Head & Low Profile Oil Pump Package – Includes:	1
58	17-44037-00	Plug, Oil Pump (Includes O-ring)	2
59	17-44139-00	Seal, O-ring	1

4.6 CRANKSHAFT, ROD AND PISTON GROUP

60	17-40411-00	Crankshaft	1
61	17-40050-00	Washer, Thrust	1
62	17-40048-00	Pin, Spiral, 5/32 Diameter x 5/8 lg.	2
63	34-01110-00	Key, Rotor Drive	1
64	17-21075-00	Washer, Rotor	1
65	17-21076-00	Washer, Star, Rotor, 5/8	1
66	17-21077-00	Tube Assembly, Equalizer	1
67	17-44115-01	Piston & Pin Pkg (Standard) – Includes:	6
67	17-44115-20	Piston & Pin Pkg (+0.020) – Includes:	A/R
68	NSS	Piston	1
69	17-40052-00	Pin, Piston	1
70	17-40053-00	Retainer, Piston Pin	2
71	17-40055-00	Ring, Compression (Standard)	12
71	17-55025-00	Ring, Compression (+0.020)	12
72	17-40056-02	Connecting Rod and Cap Assembly (Standard) – Includes:	6
72	17-55023-00	Connecting Rod and Cap Assembly (+0.010) – Includes:	6

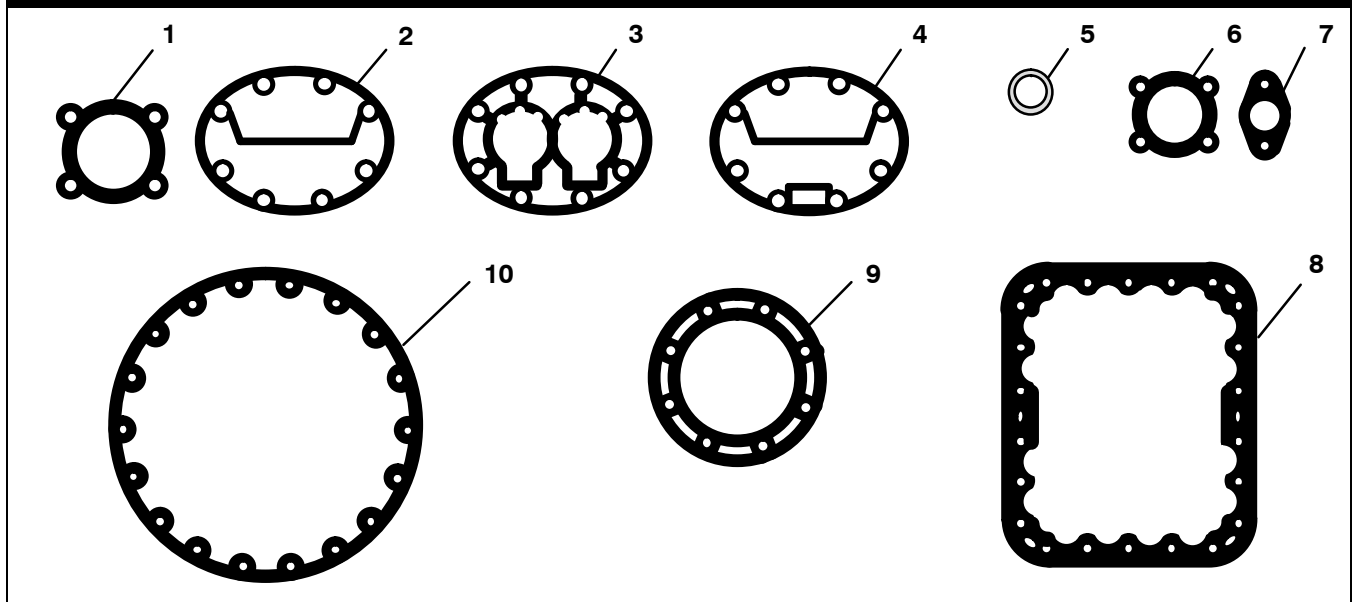
4.6 CRANKSHAFT, ROD AND PISTON GROUP – Continued

Item	Part Number	Description	Qty
NS	17-40057-00	Pin, Dowel	2
73	17-55008-00	Capscrew – Special (Epoxy Coated)	2

4.7 VALVE PLATE GROUP

74	17-44109-00	Package, Valve Plate Assembly (All Banks – Canted) – Includes:	3
NS	NSS	Plate Assembly, Valve – Includes:	1
75	NSS	Plate, Valve	1
76	17-40086-00	Valve, Discharge	2
77	17-44160-00	Backer, Discharge Valve Stop	2
78	17-44113-00	Screw, Hex Head, 1/4-28 x 3/8 lg.	4
79	17-10715-00	Washer, Lock, 1/4	4
80	17-40082-00	Valve, Suction	2
81	17-40083-00	Spring, Suction Valve Positioning	2
30	17-44124-00	Gasket, Cylinder Head (Side Bank) – Coated Steel	1
50	17-44123-00	Gasket, Cylinder Head (Center Bank) – Coated Steel	1
82	17-55002-00	Gasket, Valve Plate	1
83	17-40057-00	Pin, Dowel (Valve Plate)	12

4.8 GASKET SET



Item	Part Number	Description	Qty
-	17-55020-21	Gasket Set – Includes:	1
1	17-40005-05	Gasket, Suction Service Valve (4 Bolt)	1
2	17-44124-00	Gasket, Cylinder Head – Side Bank (Standard)	2
3	17-55002-00	Gasket, Valve Plate	3
4	17-44123-00	Gasket, Cylinder Head – Center Bank	1
5	17-44021-00	Gasket, Sight Glass	2
6	17-40075-05	Gasket, Oil Pump Cover	2
7	17-10811-05	Gasket, Service Valve (2 Bolt)	2
8	17-40033-05	Gasket, Bottom Plate	2
9	17-44022-00	Gasket, Pump End Bearing Head	1
10	17-40029-05	Gasket, Motor End Cover	1

5 TOOLS	
PART NO.	DESCRIPTION
07-00013-00	Temperature Tester (Simpson Meter)
07-00013-01	Temperature Test Lead (15 Foot)
07-00013-02	Temperature Test Lead (50 Foot)
07-00013-03	Adapter, Male (Both Ends) (Use with Temperature Tester)
07-00015-00	Case, Carrying (Used with 07-00013-00)
07-00450-00	Wrench, Compressor Sight Glass
07-00437-00	Inspection Light with Mirror
07-00228-00	Volt-Ohmmeter, Digital
07-00229-00	Amprobe Clamp (Used with 07-00228-00)
07-00238-00	Wrench, Service Valve
07-00243-10	Multimeter, Digital (Fluke)
07-00263-00	Pliers, Crimping (Used for compressor terminal block replacement)
07-00264-00	Grip, Wire Vise (Used for compressor terminal block replacement)
07-00277-00	Kit, Static Dissipative (Used for working on electronic components)
07-00304-00	Ground Strap, Wrist (Used for working on electronic components)
07-00294-00	Gauge Set, Manifold - Fahrenheit/PSI
07-00294-05	Gauge Set, Manifold - Centigrade/KPa
07-00295-00	Detector, Leak
07-00397-03	Extractor, Pin (Used on Fan Motor Plugs and Interrogator Plugs)
07-00397-02	Crimper, Pin (Used on Fan Motor Plugs and Interrogator Plugs)
07-00329-00	Extractor, Pin (Used on Controller module connectors)
07-00330-00	Crimper, Pin (Used on Controller module connectors)
07-00370-00	Crimper, Pin (Used on Stepper Valve, HPS)
07-00387-00	Extractor, Pin (Used on Stepper Valve, HPS)
07-00375-00	Tester, Portable, Stepper Motor Drive
07-00391-00	Application Gun (Used with 07-00390-00)
07-00398-00	Software Card Programmer
07-00408-00	Stepper Jumper Assembly
07-00418-00	Torx Driver Bit
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