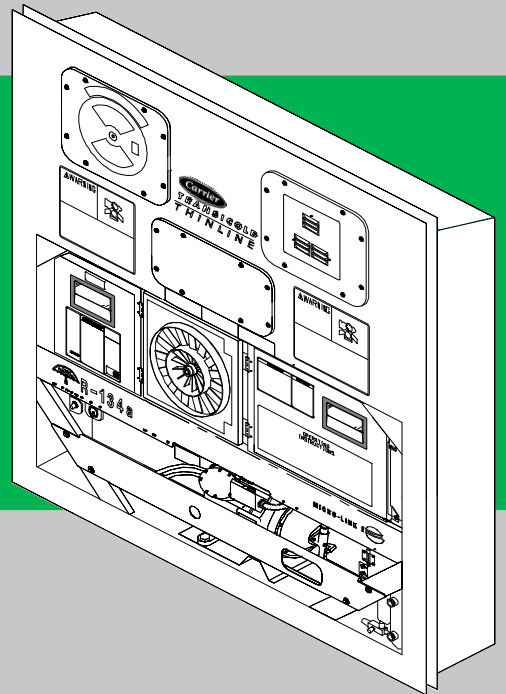
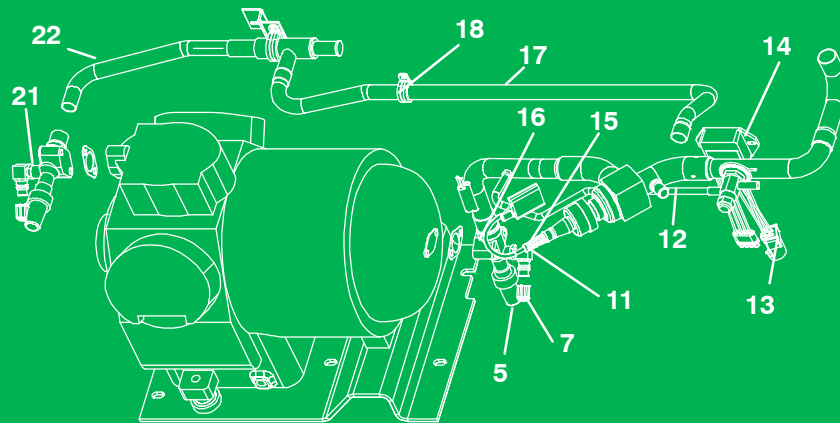




Container Refrigeration



SERVICE PARTS LIST for 69NT40-489-100 Series EverFresh Controlled Atmosphere Container Refrigeration Units



SERVICE PARTS LIST CONTAINER REFRIGERATION UNIT

**EVERFRESH
CONTROLLED ATMOSPHERE
Model
69NT40-489-100 Series**

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INTRODUCTION

1 INTRODUCTION

The Carrier Transicold model 69NT40–489–100 series units are of lightweight aluminum frame construction, designed to fit in the front of a container and serve as the container front wall.

2 CONFIGURATION IDENTIFICATION

Unit identification information is provided on a plate located near the refrigeration 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.

Configuration identification for the models covered herein are provided in the Carrier Transicold Container Unit Matrix manual, publication T–300.

3 OPTION DESCRIPTIONS

Various options may be factory or field-fitted to the base unit. These options are listed in the tables and described in the following subparagraphs.

3.1 Battery

The refrigeration controller may be fitted with standard replaceable batteries or rechargeable battery pack. The unit is fitted with the EverFresh controlled atmosphere option. The CA controller may be fitted with the same battery option.

3.2 Dehumidification

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

3.3 Control Box

The control box may be of aluminum or composite material, and each type box may be fitted with a lockable door.

3.4 Temperature Readout

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

3.5 Pressure Readout

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

3.6 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.

3.7 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 accessible from the front of the container and the other mounted inside the container (with the USDA receptacles).

3.8 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.

3.9 Communications

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.

3.10 Compressor, Refrigeration

The unit is fitted with a single-speed reciprocating compressor.

3.11 Condenser Coil

The unit may be fitted with a 2-row or 4-row coil using nominal 3/8 inch tubing, or a 3-row coil using 7mm tubing. The required refrigerant charge is different for each coil.

3.12 Autotransformer

An autotransformer may be provided to allow operation on 190/230, 3-phase, 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.

3.13 Gutters

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

3.14 Handles

The unit may be fitted with handles to facilitate access to stacked containers. These handles may include a fixed handle (located at the right side of the unit) and/or hinged handles at the left side and center (attached to the condenser coil cover).

3.15 Water Cooling

The refrigeration system may be fitted with a water-cooled condenser. The condenser is constructed using copper–nickel tube for seawater applications. The water-cooled condenser is in series with the air-cooled condenser and replaces the standard unit receiver. When operating on the water-cooled condenser, the condenser fan is deactivated by either a water pressure switch or condenser fan switch.

3.16 Back Panels

The refrigeration system may be fitted with either aluminum or stainless steel back panels. Panels may be fitted with access doors and/or hinge mounting.

3.17 460 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.

3.18 230 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 each customer's requirements.

3.19 Cable Restraint

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

3.20 Upper Air (Fresh Air Make Up)

The unit is fitted with an upper fresh air makeup assembly. The openings may also be fitted with screens.

3.21 Controlled Atmosphere

The controlled atmosphere system is of the two purity type. This provides a second level of operation when additional removal of carbon dioxide is required. All units covered in this manual are fitted with the controlled atmosphere option.

3.22 Arctic Mode

To improve operation in cold ambients, the unit may be fitted with a crankcase heater and/or a condensate drain line heater. The crankcase heater is operated before start-up to warm the compressor oil and boil off any liquid refrigerant that may be present in the crankcase. The drain line heater is operated to prevent freezing of the evaporator condensate drain system.

3.23 Humidification

The unit may be equipped with the Carrier Transicold NatureFresh humidity management system. The system includes a water tank, water pump, water heater, and atomizer along with various control and monitoring devices. It is designed to add additional moisture into the supply air for control of cargo moisture level. A separately bound manual covering operation and parts for the CTD NatureFresh System is available (see the following chart).

Manual Number	Equipment Covered	Type of Manual
T-297	Humidity Management System Option	Technical Supplement

3.24 Power Correction

The unit may be fitted with a set of power factor correction capacitors to assist in correction of imbalance in current draw by the compressor.

3.25 Evaporator

Evaporator section options include a hermetic thermal expansion valve with a choice of two sizes of heat exchangers.

3.26 Evaporator Fan Operation

The units are fitted with Normal Evaporator Fan Operation. Opening of an evaporator fan internal protector will shut down the unit.

3.27 Labels

Operating Instruction and Function Code listing labels will differ depending on the options installed. For example, additional operating instructions are required to describe start-up of a unit equipped with an autotransformer. Where the labels are available with additional languages, they are listed in the parts list.

3.28 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. EverFresh controlled atmosphere units have a second set of plates for the controlled atmosphere system. These plate sets are numbered and ordered in the same manner. **(See Unit Matrix)**

3.29 Controller

There are two controllers in the unit. The refrigeration controller controls the temperature and the EverFresh controller controls the Controlled Atmosphere components. Replacement controllers may be ordered as a universal unconfigured controller (without configuration software) or configured.

3.30 Stepper Drive

All the units covered by this manual have suction modulating valves, which act to control system capacity. Units indicated as being fitted with "stepper drive" have digital control motors fitted to the suction modulating valve to open and close the valve in steps as required.

3.31 Condenser Grille

Two styles of condenser grilles are available – direct bolted grilles and hinged grilles.

3.32 Emergency Bypass

The unit may be equipped with switches to allow emergency bypass of the controller. The EMERGENCY BYPASS switch functions to bypass the controller in the event of controller failure. The EMERGENCY DEFROST switch functions to bypass the all controls and place the unit in the defrost mode.

OPTION LEGEND

General	
-	Feature Not Applicable
X	Features that apply to model
P	Factory Installation of Equipment to Allow Field Installation
Battery Codes	
S	Standard (throw away) Cells
R	Rechargeable Cells
Control Box Codes	
A	Aluminum Box without Door Lock
AL	Aluminum Box with Door Lock
C	Composite Box without Door Lock
CL	Composite Box with Door Lock
Pressure Readout Codes	
G	Factory Installed Pressure Gauges
T	Factory Installed Pressure Transducers
SG	Factory Installed Suction Pressure Gauge
USDA Codes	
D	Option D
V	Option V
Interrogator Codes	
1	Left Straight Mount
2	Right Mount
3	Box Mount
4	Left Mount
5	Left Angled Mount
6	Right Mount
Back Panel Codes	
4	Hinged Panels
Communications Codes	
1	Standard
2	High Data Rate
3	Chipset Modem
3l	Chipset Modem Low Data Rate
3h	Chipset Modem High Data Rate

Compressor Codes	
1R	Single Speed Reciprocating
Condenser/Receiver Codes	
2	Two Row Coil
3	Three Row (7mm) Coil
4	Four Row Coil
AutoTransformer Codes	
1	Transformer Fitted
2	Transformer with CB2 Fitted
3	Transformer with CB2 and Receptacle
4	Transformer with CB2 and TBU
Gutter Codes	
2	Standard Length Bolted Gutters
Handle Codes	
1	Two Side and One Center
2	Two Side
3	One Center
4	One Right Side and Two Center
Thermometer Port Codes	
1	Supply Air Port
2	Return Air Port
B	Both Ports
Water Cooling Codes	
W	Water Pressure Switch
F	Condenser Fan Switch
460 Volt Cable Codes	
1	Option 1
2	Option 2
3	Option 3
4	Option 4
5	Option 5
6	Option 6
7	Option 7
8	Option 8
9	Option 9

230 Volt Cable Codes	
1	Option 1
2	Option 2
3	Option 3
4	Option 4
5	Option 5
6	Option 6
7	Option 7
8	Option 8
9	Option 9
Cable Restraint Codes	
1	Cable Door
2	Left Bungy Cord Only
3	J-Hook
4	Left and Right Bungy Cord
5	Left Bungy Cord with Left Extended Guard
6	Left and Right Bungy Cords with Extended Guards
Upper Air Codes	
2	Upper Fresh Air Installed
3	Upper Fresh Air Installed with Screen

Controlled Atmosphere	
1	TransFresh
2	Carrier Transicold EverFresh System
Arctic Mode Codes	
C	Crankcase Heater
L	Drain Line Heater
B	Both Crankcase Heater and Drain Line Heater
Condenser Grille Codes	
B	Bolted Grille
H	Hinged Grille
Evaporator Codes	
1	Original Coil with Semi-Hermetic TXV and Standard Heat Exchanger
Evaporator Fan Codes	
1	Normal Evaporator Fan Operation
Label Codes	
1	English
2	English / Spanish
Emergency Bypass Codes	
B	Emergency Bypass and Emergency Defrost
EB	Emergency Bypass Only

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:

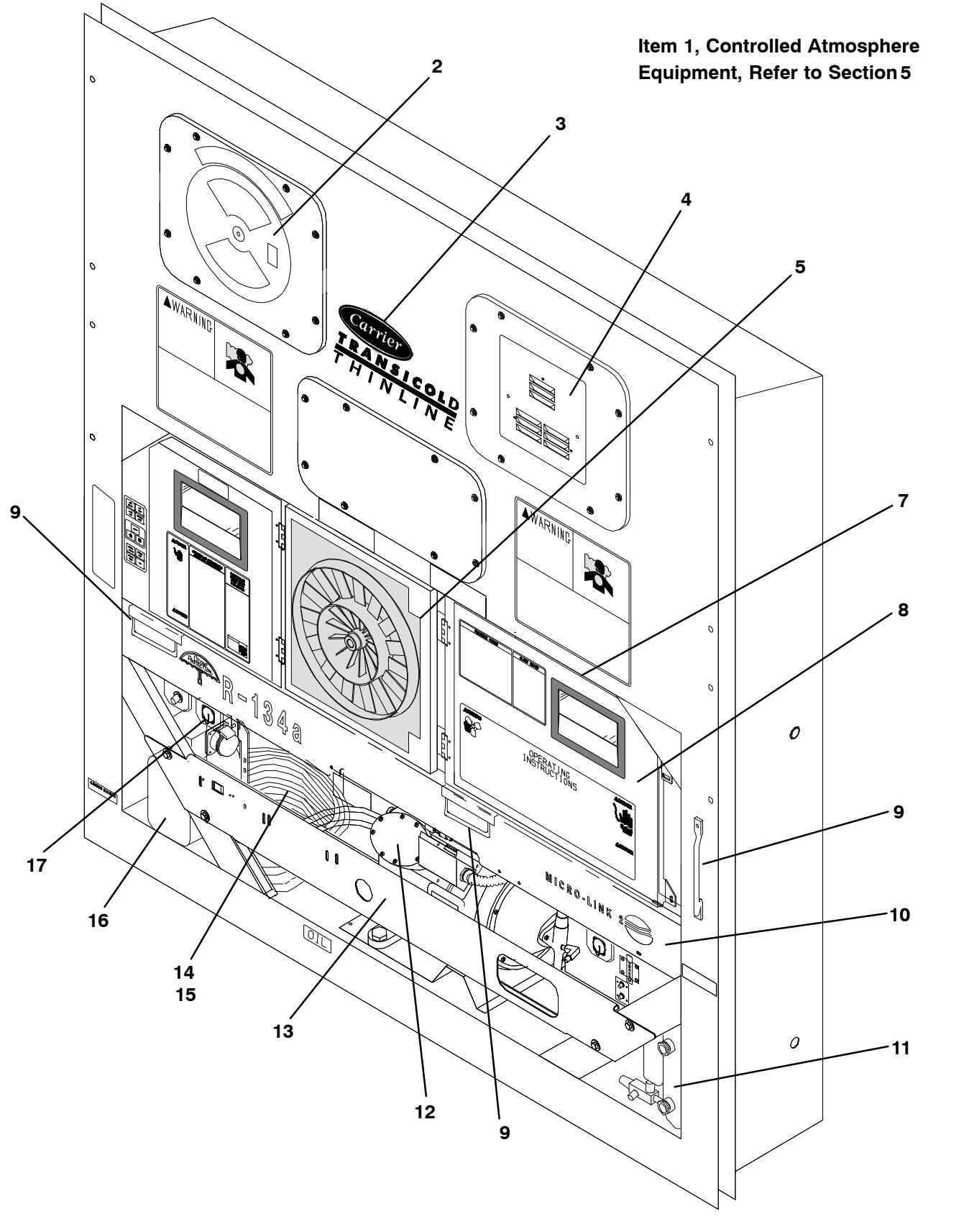
- A/R = *As Required*
- N/A = *Not Available*
- NS = *Not shown in illustration*
- NSS = *Not sold separately* – Order next higher assembly or kit
- PID = *Parts Identification Number* – essential to identify unit configuration.
- PL = *Purchase Locally*
- SST = *Stainless Steel* – 300 Series unless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

1 QUICK LIST – CLAMPS, FILTER-DRIER, FUSE, TY-RAPS, AND WIRE TERMINALS	
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
34-00373-67	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
66U1-7472-1	Filter-Drier
22-02336-02	Fuse, 5 Amp (F1 and F2)
22-02336-04	Fuse, 10 Amp (F3)
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 Feet Long
22-01107-00	Spiral Wrap, 1/2 Diameter X 25 Feet Long
66U1-3803	Tube, Heat Shrink, 1/4 ID X 2-1/8 Long
66U1-3803-1	Tube, Heat Shrink, 1/2 ID X 2-3/4 Long
44-01043-05	Ty-Raps, 5-1/2 Inches Long
44-01043-07	Ty-Raps, 11.00 Inches Long
22-50007 Series	Wire Markers
07-00345-00	Sealant, Pipe (Used to seal fittings on unit with R-134a)
07-00313-00	Cleaner, Coil
76-00397-00	Paint, Compressor Touch-Up, Blue

2 REFRIGERATION UNIT ASSEMBLY

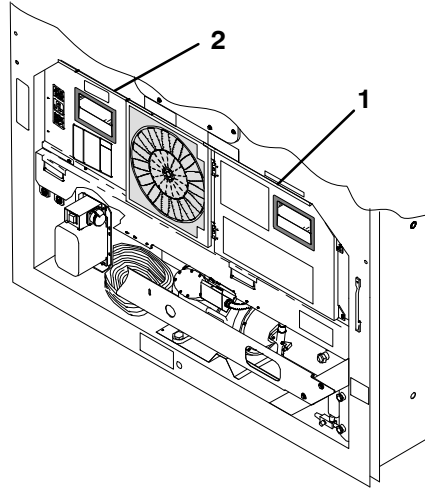
2.1 REFRIGERATION UNIT - AREA LOCATOR

**Item 1, Controlled Atmosphere
Equipment, Refer to Section 5**



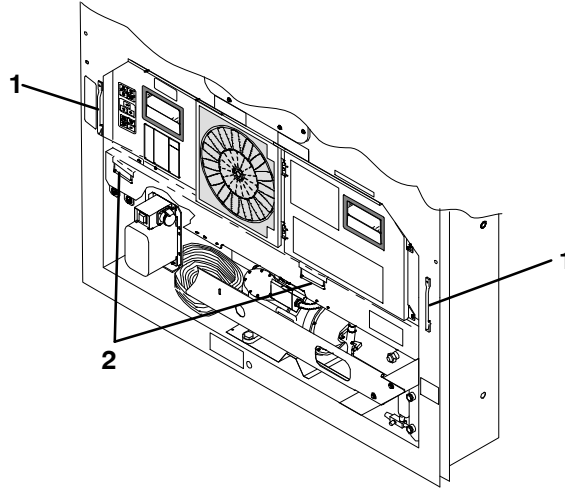
2.1 REFRIGERATION UNIT – AREA LOCATOR (Continued)		
Item	Section Number	Area Description
1	Refer to Section 5	Controlled Atmosphere Equipment
2	Refer to Section 2.17	Upper Fresh Air Makeup and Access Panels
3	Refer to Section 2.26	Labels and Decals
4	Refer to Section 2.18	Evaporator Fan Assembly
5	Refer to Section 2.10	Condenser Fan Motor and Coils
6	Refer to Section 2.11	Condenser Fan Grille
7	Refer to Section 2.2	Rain Gutters
8	Refer to Section 2.4– 2.9	Box, Control
9	Refer to Section 2.3	Handles
10	Refer to Section 2.10	Condenser Coil
11	Refer to Section 2.13 or 2.14	Receiver or Water-Cooled Condenser
12	Refer to Sections 2.21 or 4	Compressor
13	Refer to Section 2.21	Guard, Compressor
14	Refer to Section 2.24	Power Cables
15	Refer to Section 2.24	Power Plugs
16	Refer to Section 2.25	Autotransformer
17	Refer to Section 3	Interrogator and Accessories

2.2 RAIN GUTTERS



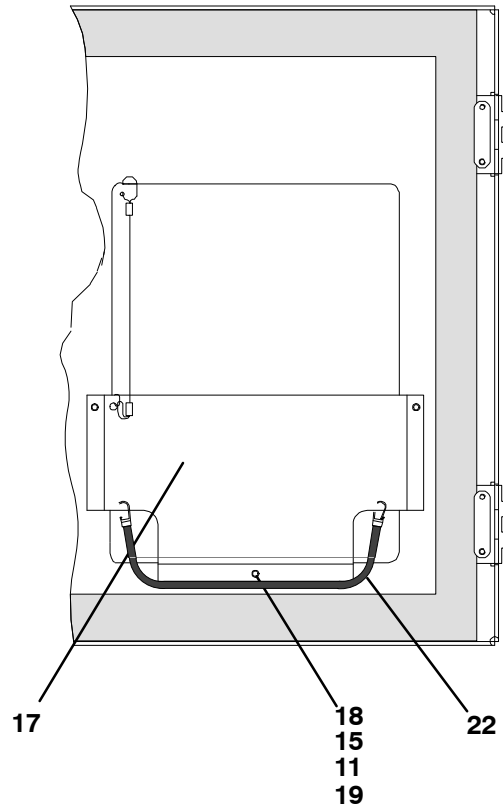
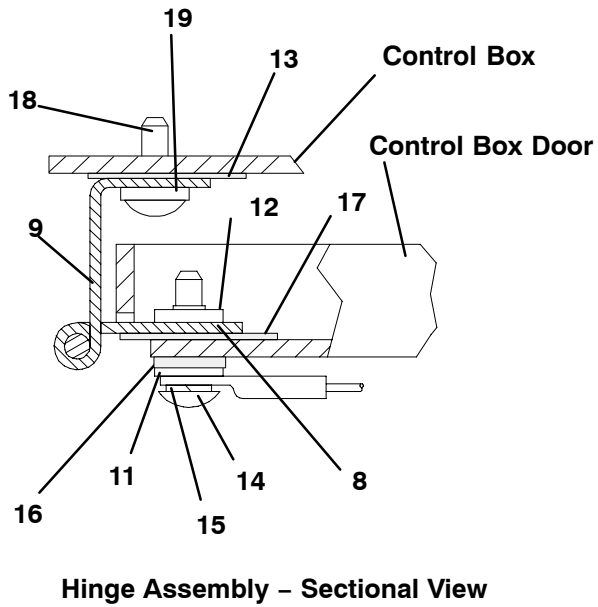
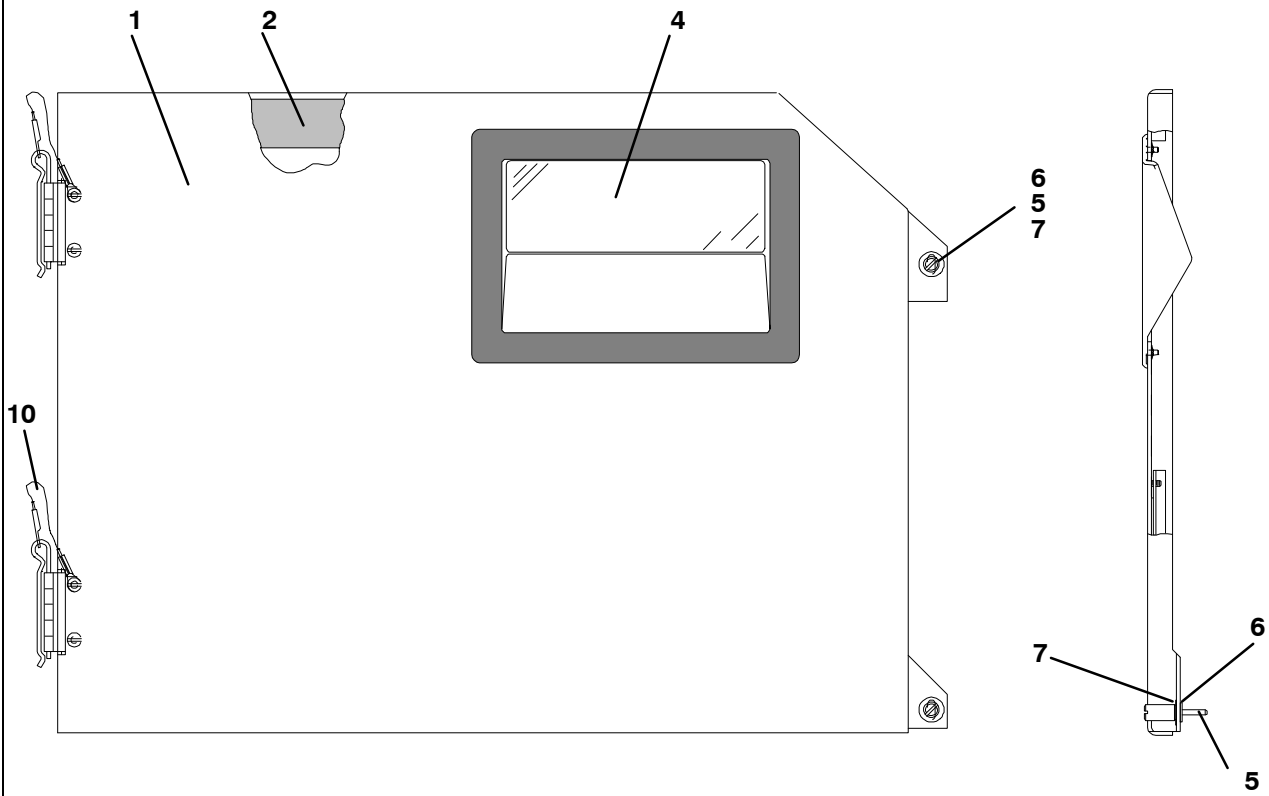
Item	Part Number	Description	Qty
OPTION 2 - STANDARD LENGTH			
1	69NT35-3987	Gutter, Rain (Standard - Right Side)	1
2	69NT35-7078	Angle, Rain Gutter (Left Side)	1

2.3 HANDLES



Item	Part Number	Description	Qty
OPTION 1 - TWO SIDE, ONE CENTER			
1	69NT35-8113	Handle, Fixed	2
2	69NT40-657-2	Handle, Hinged	1
OPTION 2 - TWO SIDE			
1	69NT35-8113	Handle, Fixed	2
OPTION 3 - ONE CENTER			
2	69NT40-657-2	Handle, Hinged	1
OPTION 4 - ONE RIGHT SIDE, TWO CENTER			
1	69NT35-8113	Handle, Fixed	1
2	69NT40-657-2	Handle, Hinged	2

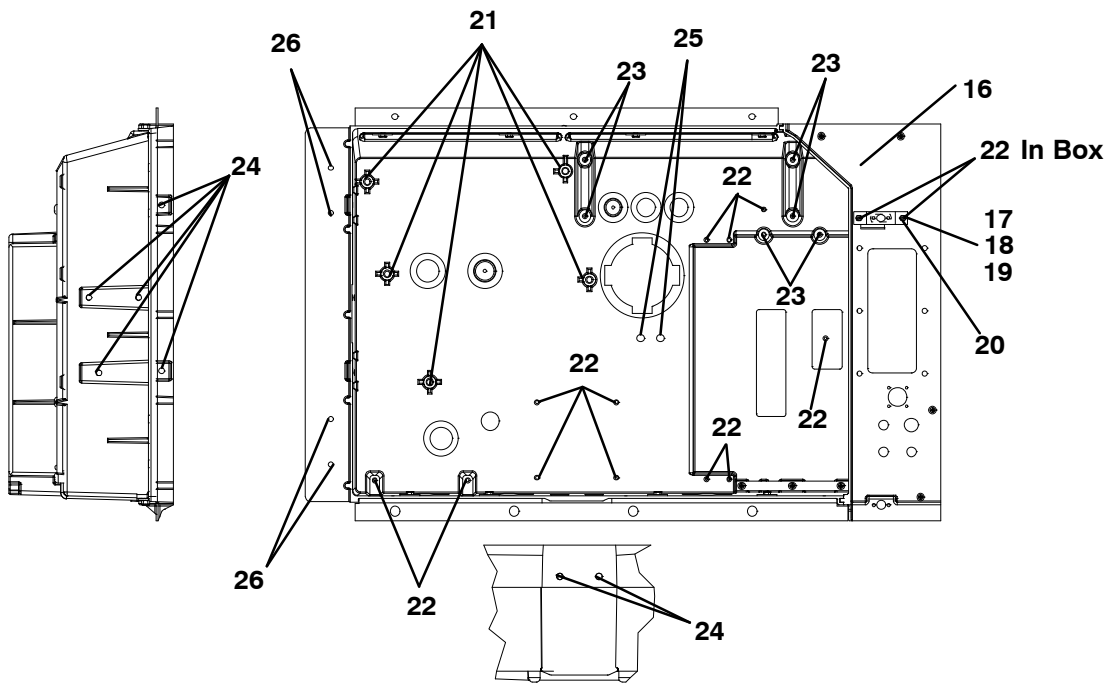
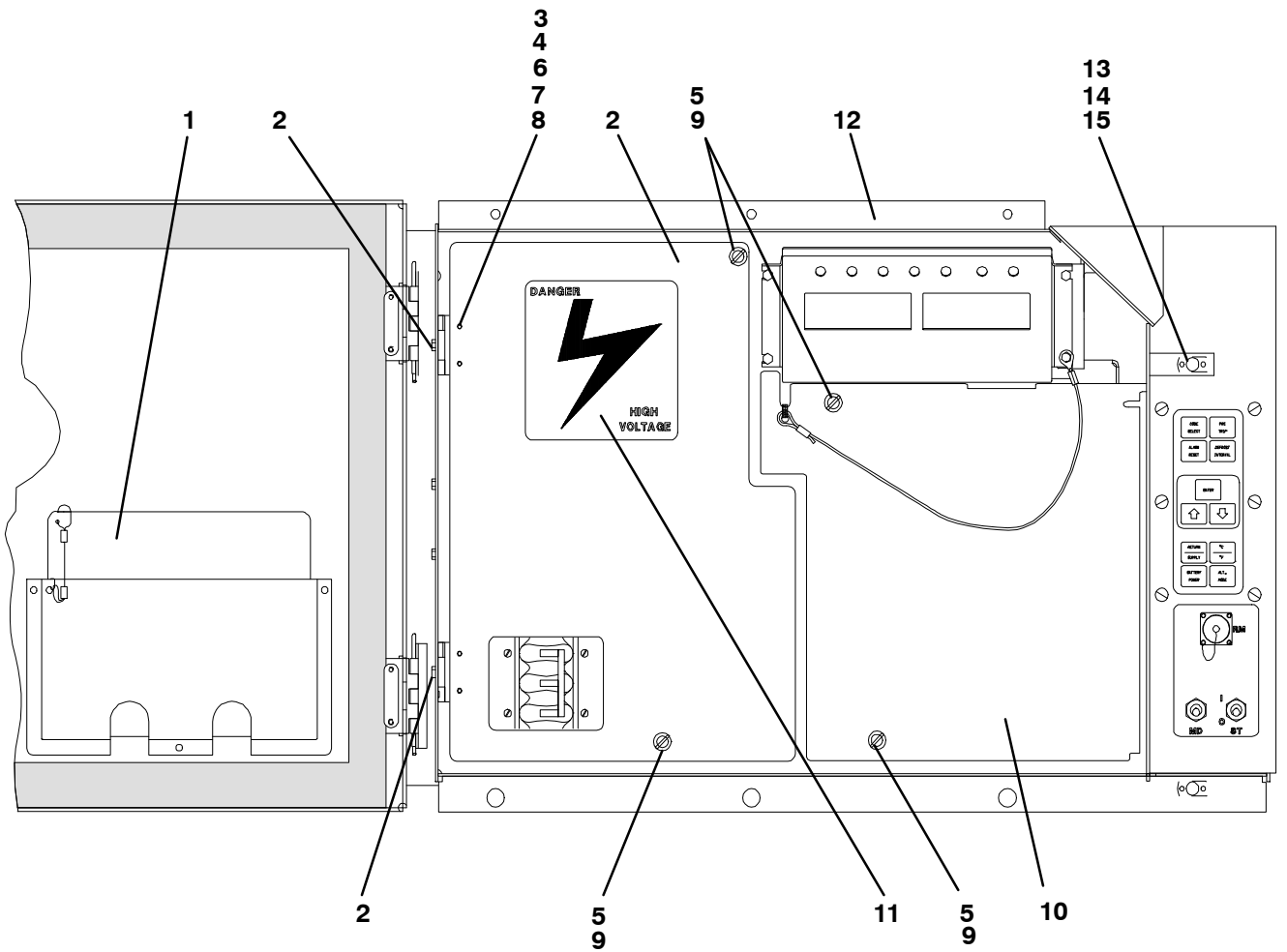
2.4 CONTROL BOX DOOR



2.4 CONTROL BOX DOOR (Continued)

Item	Part Number	Description	Qty
1	69NT42-688-7	Door Assembly – Includes:	1
2	42-00270-02	Gasket, Door	1
3	58-04366-00SV	Window and Gasket Assembly, Control Box Door, Lexan	1
4	34-06169-00	Washer, Retaining, SST	2
5	66U1-6811-8	Screw, Retaining, Panel, 0.300-0.625, SST	2
5	66U1-6811-15	Screw, Retaining, Wing, 0.300-0.625, SST	2
6	34-06053-00	Washer, Mylar, 0.25 ID X 0.80 OD	4
7	44-00300-01	Hinge, Half	1
8	44-00300-02	Hinge, Half	1
9	44-00300-03	Pin Assembly, with Tether	1
10	58-04101-01	Protector, Mylar (Hinge) (Not Needed with Composite Box)	2
11	34-01167-01	Retainer, Nut	2
12	58-04101-00	Protector, Mylar (Hinge)	2
13	66U1-2403-1	Screw, Truss Head, #10-24 X 3/4 Long, SST	4
14	66U1-5331-3	Washer, Lock, #10, SST	7
15	66U1-5321-8	Washer, Flat, #10, SST	7
16	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	4
17	68-13577-00	Pocket, Placard	1
18	34-00665-09	Locknut, Hex Head, #10-24, SST	3
19	34-06107-00	Rivet, Blind, 1/8 Diameter, Grip Range – 0.188-0.250	3
20	66U1-5371-7	Screw, #10-24 X 1/2 Long, SST	4
21	66U1-5321-8	Washer, Flat, #10, SST	4
22	58-04346-00	Door Strap Kit	1

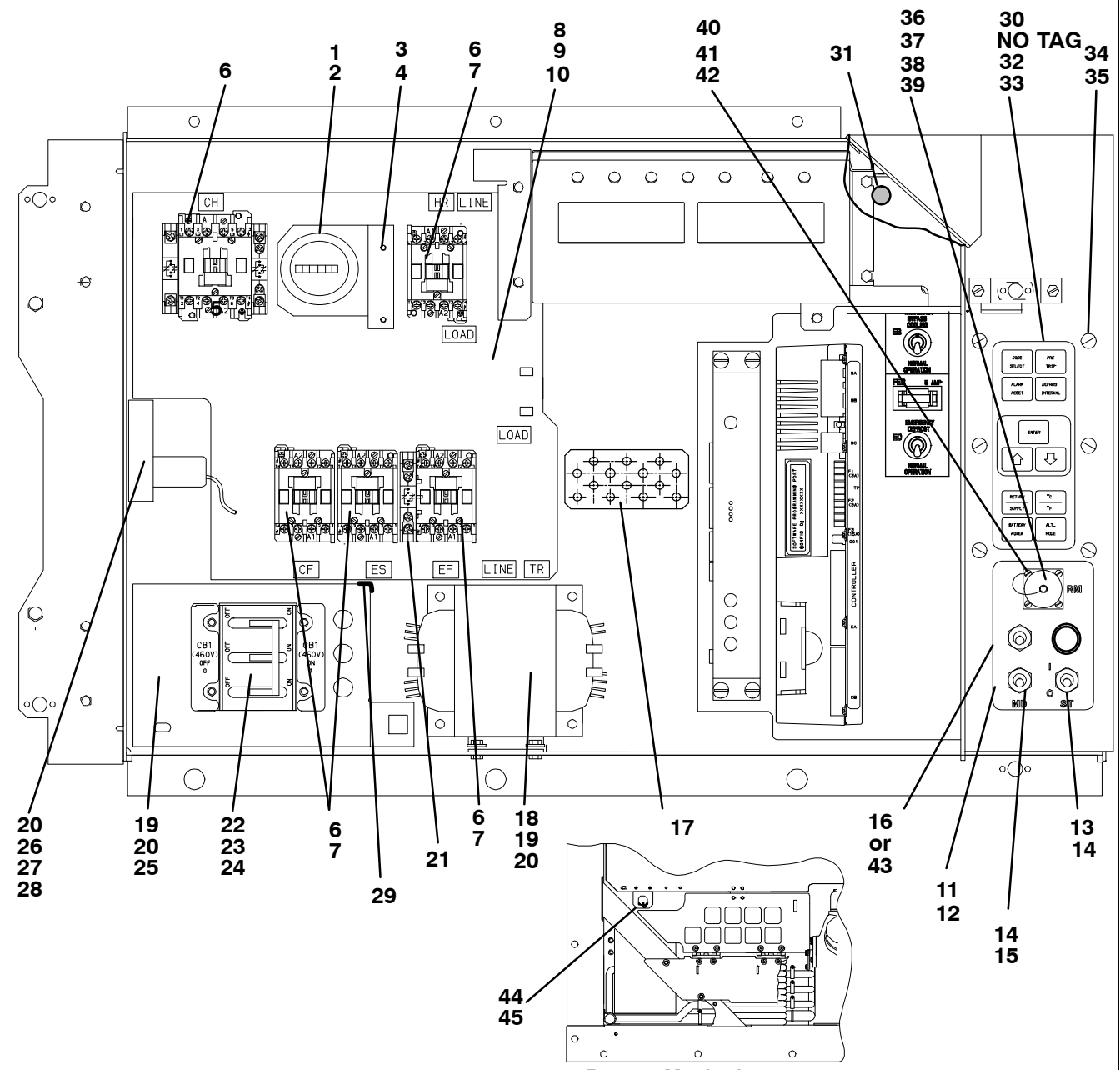
2.5 CONTROL BOX



OPTION C and CL - COMPOSITE BOX

2.5 CONTROL BOX (Continued)			
Item	Part Number	Description	Qty
1	-	Plate, Schematic and Diagram (Refer to T-300, Container Unit Matrix)	1
2	66U1-2403	Screw, Truss Head, #10-24 X 1/2 Long, SST	2
3	69NT43-125-1	Shield, High Voltage (Plastic) – Includes:	1
4	44-00343-00	Hinge	2
5	34-00928-02	Rivet, Blind, 1/8 Diameter, Grip Range – 1/8-3/16, SST	4
6	34-50015-00	Stud and Retainer Package – Includes:	4
7	NSS	Stud, Fastener	1
8	NSS	Retainer, Fastener Stud	1
9	34-06139-03	Receptacle	4
10	69NT43-124-4SV	Shield, Low Voltage (Lexan) with Tether	1
11	62-03957-02	Label, Danger-High Voltage	1
OPTION A and AL, Aluminum CONTROL BOX			
12	86-04237-03	Control Box, Standard Aluminum	1
13	68-12791-00	Bracket, Lock (See Note 1)	1
14	34-01142-01	Receptacle, Retaining	1
	34-01152-02	Receptacle, Retaining (See Note 2)	1
15	34-00928-01	Rivet, Blind, 1/8 Diameter, Grip Range 1/16 – 1/8	2
	34-00928-03	Rivet, Blind, 1/8 Diameter, Grip Range 3/16 – 1/4 (See Note 2)	2
NOTES			
1. The bracket is welded to the control box – order Item #11 for locking plate.			
2. When Item #11 is used, 34-01152-02 and rivets, 34-00928-03 are to be used in the upper door location.			
OPTION C and CL – COMPOSITE CONTROL BOX			
16	58-04668-01	Control Box, Standard Composite	1
17	69NT35-6272	Bracket, Non-Locking	1
	69NT35-2287	Bracket, Locking (See Note 3)	1
18	34-01142-01	Receptacle, Retaining	1
19	34-00928-01	Rivet, Blind, 1/8 Diameter, Grip Range 1/16 – 1/8	2
	34-00928-02	Rivet, Blind, 1/8 Diameter, Grip Range 1/18 – 3/16 (See Note 4)	2
20	66U1-2403	Screw, Truss Head, #10-24 X 1/2 Long, SST	2
NS	76-00724-00SV	Crack, Chip and Hole Repair Kit	1
NS	76-50084-00SV	Insert Repair Kit – Includes:	1
21	34-06231-01	Insert – 17.53 X 9.91 mm (0.690 X 0.390 in) 1/4-20 Threads – NSS	10
22	34-06231-03	Insert – 15.88 X 6.35 mm (0.625 X 0.250 in) 10-24 Threads – NSS	10
23	34-06231-04	Insert – 25.15 X 7.54 mm (0.990 X 0.297 in) 10-24 Threads – NSS	10
24	34-06231-05	Insert – 10.16 X 9.53 mm (0.400 X 0.375 in) 10-24 Threads – NSS	10
25	34-06231-06	Insert – 12.70 X 9.91 mm (0.500 X 0.390 in) 1/4-20 Threads – NSS	10
26	34-06231-07	Insert – 9.53 X 6.76 mm (0.375 X 0.266 in) 10-24Threads – NSS	10
NS	02-00082-00	Durabond Epoxy – NSS	1
NS	07-00390-00	Static Mixing Tube – NSS	1
NS	07-00391-00	Application Gun – Required for Insert Repair	1
NOTES			
3. The bracket is bolted to the control box – order 69NT35-2287 for locking bracket.			
4. When 69NT35-2287 is used, 34-00928-02, rivet, is to be used in the upper door location.			

2.6 CONTROL BOX – SHIELDS REMOVED, STD ELECTRICAL COMPONENTS, RM AND HOURMETER



Remote Monitoring – Lower/External Mounting

HOURMETER

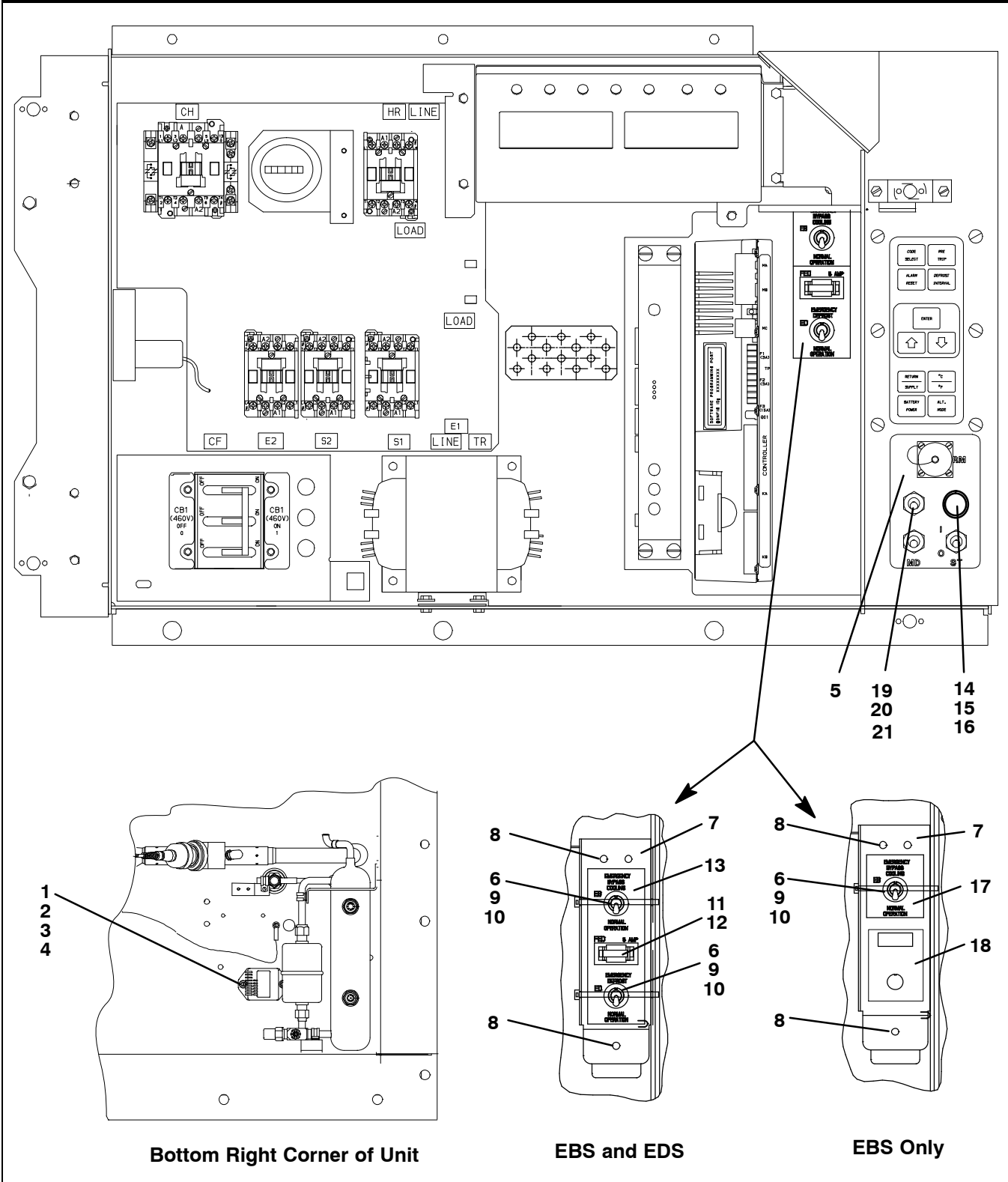
Item	Part Number	Description	Qty
1	66U1-3823	Hourmeter	1
2	66U1-6651-15	Screw, Pan Head, #4-40 X 3/4 Long, SST	3
3	68-12496-00	Bracket, Hourmeter	1
4	66U1-5381	Screw, Hex Head, #10-24 X .50 Long, SST	2
5	10-00431-07	Contactors, Compressor (CH) (30 Amp)	1
6	34-06243-00	Screw, Pan Head, (Thread Cutting) #8-32 X 3/4 Long, SST	10
7	10-00431-06	Contactors, (CF), (HR) and (EF and ES) (12 Amp)	4

2.6 CONTROL BOX – SHIELDS REMOVED, STANDARD ELECTRICAL COMPONENTS (Continued)			
Item	Part Number	Description	Qty
8	68-13427-00SV	Panel, Contactor – Includes:	1
9	58-00967-00	Spacer (Used with Sheet Metal Control Box Only)	5
10	34-00655-08	Screw, Hex Head, 1/4-20 x 1.00 Long, SST	4
11	34-00928-01	Rivet, Blind, 1/8 Diameter, Grip Range – 1/16 – 1/8	6
12	34-01142-01	Receptacle	1
13	10-01129-07SV	Switch, Toggle (On-Off)	1
14	66U1-9752	Seal, Bushing	1
15	10-01129-10	Switch, Toggle (MDS)	1
16	58-04145-01	Plate, Switch	A/R
	68-14796-00	Plate, Switch (Start Only) NT-1200 and Up	A/R
	68-14796-02	Plate, Switch (Start and Defrost LED), NT-1200 and Up	A/R
	68-14796-05	Plate, Switch (Start and MDS), NT-1200 and Up	A/R
17	69NT41-982-3	Plate, Ground	1
18	10-00332-07	Transformer, Base Unit	1
	10-00332-05	Transformer, Base Unit (Do NOT use with Composite Box)	1
19	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	A/R
20	66U1-5321-8	Washer, Flat, #10, SST	A/R
21	10-00431-02	Contact, Auxiliary	1
22	34-00663-07	Washer, Lock, #6, SST	4
23	66U1-7842-13	Circuit Breaker – 460 VAC, 25 Amp, (CB1)	1
24	66U1-6651-4	Screw, Pan Head, #6-32 X 3/8 Long, SST	4
25	69NT35-6278	Bracket, Circuit Breaker	1
26	10-00439-00	Transformer, Current Sensing (CS)	1
27	66U1-5371-10	Screw, Hex Head, #10-24 X 1.00 Long, SST	2
28	66U1-5321-8	Washer, Flat, #10, SST	2
29	66CH1-1172-46	Trim, Flexible (85 Feet Long, Cut to Length)	A/R
30	79-66669-00	Pad, Key – Includes:	1
31	NSS	Dot, Indicator (Green) – See Note	1
32	NSS	Gasket (Between Keypad and Keypad Plate Assembly)	1
33	NSS	Plate Assembly, Keypad Mounting	1
34	34-66629-05	Screw, Pan Head, #10-24 X 3/4 Long, SST (Use with Composite Box)	6
35	34-06212-10	Washer, Mylar, 0.205 ID X 0.600 OD	6
NOTE: If unit is not already fitted with green indicator dot (Item 31) on upper right corner of control box door, install dot as illustrated after the replacement of this key pad.			
REMOTE MONITORING (STANDARD LOCATION)			
36	22-02341-00	Receptacle, Remote Monitoring (RM)	1
37	22-02368-00	Plug, Remote Monitoring	1
38	22-02341-01	Cap and Tether, Receptacle Assembly	1
39	66U1-6835	Gasket, Remote Monitoring Receptacle	1
40	34-00848-10	Screw, Round Head, #4-40 X 5/8 Long, SST	4
41	66U1-5321-6	Washer, Flat, 0.125 ID, SST	4
42	34-00667-05	Nut, Self Locking, #4-40, SST	4
43	58-04145-00	Plate, Switch, with RM	A/R
	68-14796-03	Plate, Switch, with RM NT-1200 and up	A/R
	68-14796-06	Plate, Switch with RM and MDS, NT-1200 and Up	A/R

REMOTE MONITORING (LOWER LEFT/EXTERNAL LOCATION)

44	22-01889-00	Receptacle, Remote Monitoring (RM)	1
45	69NT40-222	Bracket	1

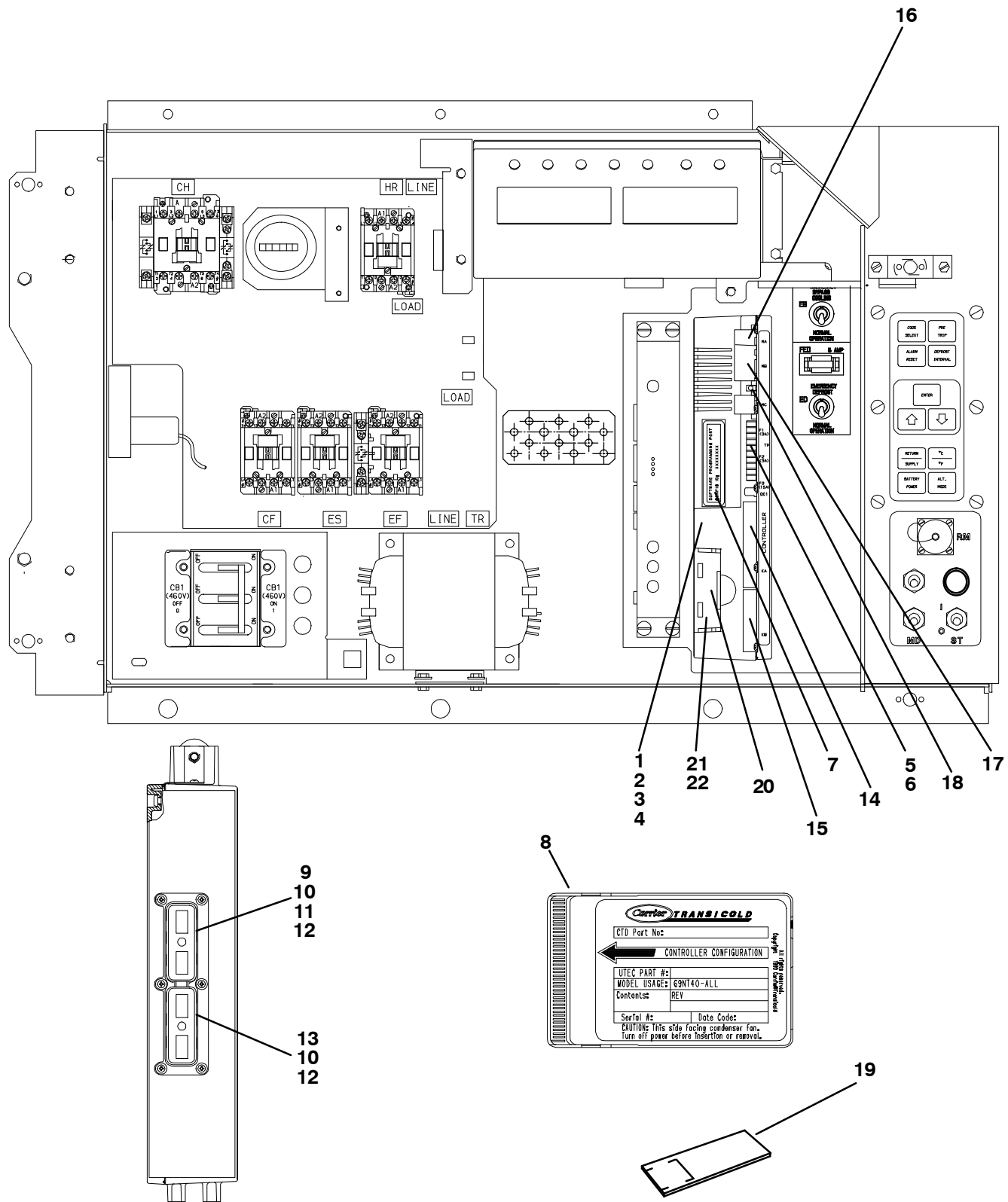
2.7 CONTROL BOX – SHIELDS REMOVED, EVAP FAN CAPABILITY, EBS and EDS, EBS ONLY and CFS



2.7 CONTROL BOX – SHIELDS REMOVED, EVAP FAN CAPABILITY (Continued)

Item	Part Number	Description	Qty
OPTION 1 – NORMAL EVAPORATOR FAN OPERATION			
See Section 2.6 Items 6 and 7 for correct contactor placement			
OPTION B – EMERGENCY BYPASS SWITCH AND EMERGENCY DEFROST SWITCH			
1	10-00416-00	Module, Emergency Bypass	1
2	66U1-5371-6	Screw, Machine Hex Head, #10-24 X 0.75 Long, SST	2
3	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	2
4	66U1-5321-8	Washer, Flat, #10, SST	2
5	58-04145-09	Plate, Switch (With Light Location)	1
	58-04145-07	Plate, Switch (With Light Location, with RM)	1
	68-14796-01	Plate, Switch (With Light Location) NT-1200 and up	A/R
	68-14796-02	Plate, Switch (With Light Location) NT-1200 and up	A/R
	68-14796-04	Plate, Switch (With Light Location, with RM) NT-1200 and Up	A/R
6	10-01129-07SV	Switch, Toggle	2
7	68-12544-01	Bracket	1
8	34-06223-00	Screw, Captive Washer, #10-24 X .56 Long, SST	2
9	10-01129-20	Hex Nut	2
10	66U1-9752	Seal, Bushing	2
11	22-01455-02	Holder Assembly, Fuse	1
12	22-02336-02	Fuse, 5 Amp	1
13	62-02874-01	Label, EB and ED	1
14	22-00518-01	Base, Pilot Light	1
15	22-00519-03	Light Assembly, Pilot	1
16	22-00049-01	Lamp, 24VDC	1
OPTION EB – EMERGENCY BYPASS SWITCH ONLY			
1	10-00416-00	Module, Emergency Bypass	1
2	66U1-5371-6	Screw, Machine, Hex Head, #10-24 X 0.75 Long, SST	2
3	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	2
4	66U1-5321-8	Washer, Flat, #10, SST	2
6	10-01129-07SV	Switch, Toggle	1
7	68-12544-01	Bracket	1
8	34-06223-00	Screw, Captive Washer, #10-24 X .56 Long, SST	2
9	10-01129-20	Hex Nut	1
10	66U1-9752	Seal, Bushing	1
17	62-02874-00	Label, EB Upper	1
18	62-02874-02	Label, EB Lower	1
OPTION F – CONDENSER FAN SWITCH			
19	10-00298-01	Switch, Toggle (CFS)	1
20	66U1-9752	Seal, Bushing	1
21	58-04145-06	Plate, Switch (With Extra Switch Location)	1

2.8 CONTROL BOX – CONTROLLER MODULE SECTION AND SOFTWARE CARDS

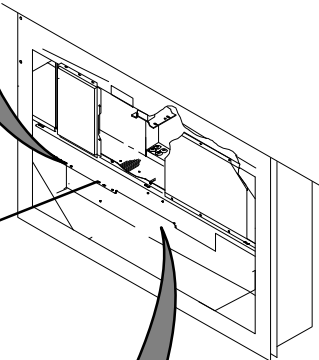
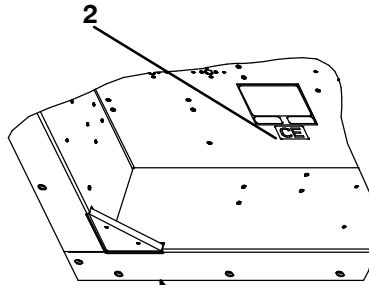
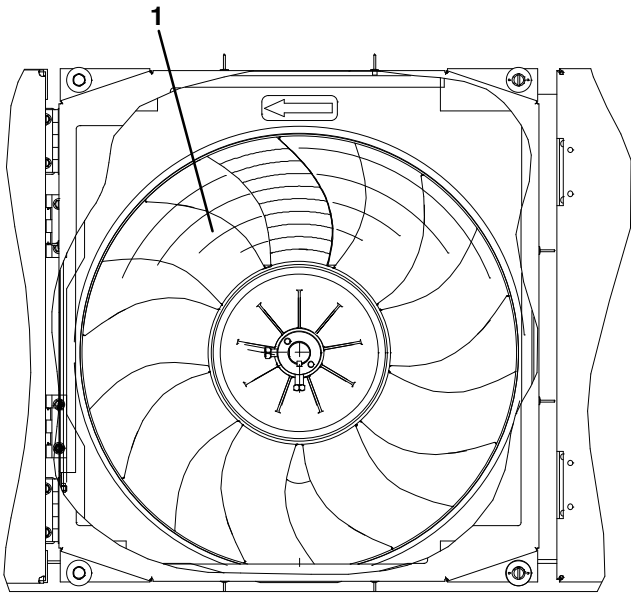


View – Back of Controller/DataCORDER Module

2.8 CONTROL BOX – CONTROLLER MODULE SECTION AND SOFTWARE CARDS (Continued)			
Item	Part Number	Description	Qty
1	-	Module, Controller/DataCORDER – Refer to Section 6 – Includes:	-
2	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	1
3	69NT35-2692	Washer, Fender, 0.063 Thick, SST	1
4	58-01184-00	Retainer, Screw, 0.141 ID	1
5	22-02336-04	Fuse, 10 Amp (F3)	3
6	22-02336-02	Fuse, 5 Amp (F1 and F2)	1
7	62-02719-00	Label, Controller/DataCORDER Port	1
8	12-00397-00/5124	Card, Controller/DataCORDER Operation Software	1
NS	12-00402-xx	Card, Configuration Software	1
9	22-01777-00SV	Connector (EC A-K) – 30-Pin	1
10	22-01777-03	Socket, 20 AWG	35
11	22-50100-00	Socket, 18 AWG	4
12	22-01777-04	Plug, Sealing	21
13	22-01777-01SV	Connector (EC L-Y) – 30-Pin	1
14	22-01556-02	Connector (KA) – 14-Pin	1
15	22-01556-01	Connector (KB) – 10-Pin	1
NS	22-01621-23	Connector (KP) – 9-Pin (Connects to Ribbon Cable)	1
16	22-01622-01	Connector (MA) – 12-Pin	1
17	22-01622-02	Connector (MB) – 16-Pin	1
18	22-01622-00	Connector (MC) – 8-Pin	1
NS	09-00369-00SV	Battery, Real Time Clock, (Within the Controller)	1
NS	22-50157-00	Wire Harness, Controller to Current Sensing Transformer)	1
NS	22-01713-06	Wire Harness, Display Module to Controller/DataCORDER Module	1
NS	62-02735-00	Label, Warning, Don't use 12-00327 ! – (Located on Control Box Behind the Controller/DataCORDER Module)	1
NS	62-02738-05	Label, Warning, 5108 Series – (Located on the Bottom Panel of the Control Box Between the Transformer and the Communications Interface Module)	1
19	76-50141-00	PC Card Adapter and Cover (For Use with 12-00594 series ML3 Cards)	1
OPTION R – RECHARGEABLE BATTERY PACK			
20	30-00407-02SV	Battery Pack – Controller/DataCORDER Module	1
OPTION S – STANDARD CELLS			
21	PL	Battery (AA)	6
22	30-00407-00	Cover, Controller Battery	1

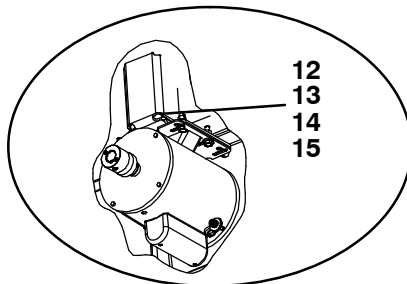
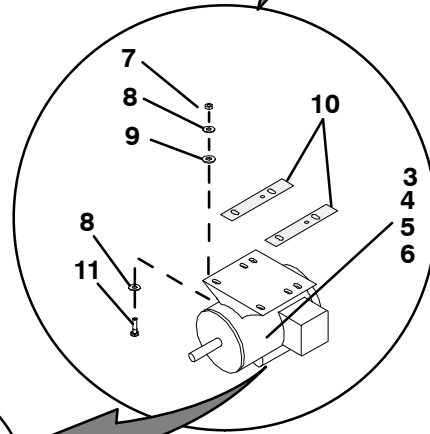
2.9 CONTROL BOX – DISPLAY MODULE AND COMMUNICATIONS INTERFACE MODULE SECTION (Continued)			
Item	Part Number	Description	Qty
1	12-00433-00RP	Module, Display	1
2	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	4
3	69NT35-2692-4	Washer, Fender, 0.063 Thick, SST	4
4	22-01621-03	Connector (MK), 9-Pin	1
5	22-01621-02	Connector (MB), 16-Pin	1
6	22-02396-03	Connector (CIC), 7-Pin	1
7	22-02396-02	Connector (CIB), 3-Pin	1
8	22-01556-00	Connector (CIA), 7-Pin	1
NS	22-01713-02	Wire Harness, Keypad to Display Module	1
OPTION 1 – COMMUNICATIONS INTERFACE MODULE – STANDARD			
9	12-00573-00SV	Module, Communications Interface – Includes:	1
10	66U1-3442-2	Stud, Fastener, 1/4 Turn, 0.705 Long, SST	4
11	66U1-9212-1	Retainer, Push-on	4
12	34-06223-00	Screw, Captive Washer #10-24 X 0.56, SST	4
13	58-01184-00	Retainer, Screw 0.75 OD	4
OPTION 2 – COMMUNICATIONS INTERFACE MODULE – HIGH DATA RATE			
9	12-00573-00SV	Module, Communications Interface – Includes:	1
10	66U1-3442-2	Stud, Fastener, 1/4 Turn, 0.705 Long, SST	4
11	66U1-9212-1	Retainer, Push-on	4
12	34-06223-00	Screw, Captive Washer #10-24 X 0.56, SST	4
13	58-01184-00	Retainer, Screw 0.75 OD	4
OPTION 3 – COMMUNICATIONS INTERFACE MODULE – CHIPSET MODEM			
9	12-00573-00SV	Module, Communications Interface – Includes:	1
10	66U1-3442-2	Stud, Fastener, 1/4 Turn, 0.705 Long, SST	4
11	66U1-9212-1	Retainer, Push-on	4
12	34-06223-00	Screw, Captive Washer #10-24 X 0.56, SST	4
13	58-01184-00	Retainer, Screw 0.75 OD	4
OPTION 4 – COMMUNICATIONS INTERFACE MODULE – LOW DATA RATE			
9	12-00275-19SV	Module, Communications Interface – Includes:	1
10	66U1-3442-2	Stud, Fastener, 1/4 Turn, 0.705 Long, SST	4
11	66U1-9212-1	Retainer, Push-on	4
12	34-06223-00	Screw, Captive Washer #10-24 X 0.56, SST	4
13	58-01184-00	Retainer, Screw 0.75 OD	4

2.10 CONDENSER FAN MOTOR AND COIL



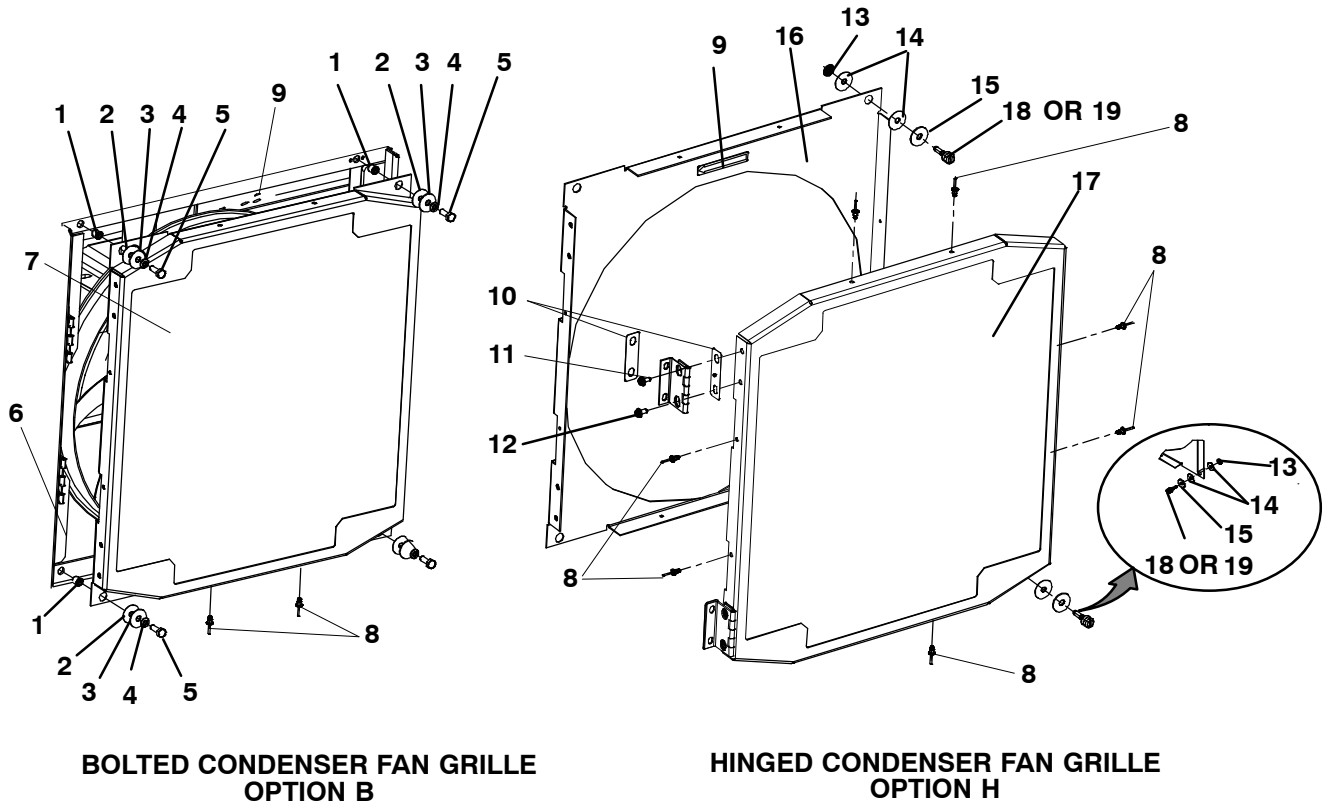
Option 3 or Option 2.4

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| 17 | 17 |
| 18 | 23 |
| 19 | 24 |
| 20 | 25 |
| 21 | |
| 22 | |



2.10 CONDENSER FAN MOTOR AND COIL (Continued)			
Item	Part Number	Description	Qty
1	38-00585-00	Fan, Condenser	1
2	62-02785-00	Label, CE	1
3	54-00586-20	Motor, Condenser – Includes:	1
4	04-50029-00	Bearing	2
5	22-01997-05	Pin	A/R
6	22-01997-10	Pin, Grounding	A/R
7	34-00667-12	Nut, Self-Locking, 5/16-18	4
8	34-01181-01	Washer, Flat	8
9	34-06053-02	Washer, 0.375 ID X 1.000 OD	4
10	69NT35-6112	Protector, Condenser Fan Motor Mounting	2
11	66U1-5361	Screw, Cap HXHD, 5/16-18 X 1.25	4
12	69NT35-3452	Shim	1
13	69NT35-3452-1	Shim	1
14	69NT35-3452-2	Shim	1
15	69NT35-3452-3	Shim	1
OPTION 2 – TWO ROW CONDENSER COIL			
Use Option 4 for 2-Row Coil Replacement			
OPTION 3 – THREE ROW (7MM) CONDENSER COIL			
16	68-13455-00	Cover, Condenser Coil, Blue Includes:	1
	68-13455-03	Cover, Condenser Coil, White Includes:	1
17	58-04480-00	Bumper (For Use With Uncoated Center Handles)	A/R
	58-04481-00	Plug (For Use with Coated Handles or Units with no Center Handle)	A/R
18	81-01575-00SV	Coil, Condenser(Copper), 7MM 3-Row – Includes Mylar Washers	1
19	66CH1-1172-16	Trim, Flexible	2
20	69NT35-8693-7	Protector (Apply Between Frame and Coil and Coil Cover)	4
21	69NT35-8693-10	Protector (Apply Between Frame and Coil and Coil Cover)	2
22	58-04026-41	Protector, Mylar (Apply Between Coil and Coil Cover, RH and LH Sides)	2
OPTION 4 – FOUR ROW (3/8”) CONDENSER COIL			
16	68-13201-01	Cover, Condenser Coil, Blue Includes:	1
	69NT43-148-4	Cover, Condenser Coil, White Includes:	1
17	58-04480-00	Bumper (For Use with Uncoated Center Handles)	A/R
	58-04481-00	Plug (For Use with Coated Handles or Units with no Center Handle)	A/R
23	69NT43-202-10SV	Coil, Condenser (Copper), 4-Row – Includes Mylar Washers	1
24	69NT35-8703	Protector (Apply Between Frame and Coil and Coil Cover)	4
25	58-04026-10	Protector, Mylar (Apply Between Coil and Coil Cover, RH and LH Sides)	2

2.11 CONDENSER FAN GRILLE ASSEMBLY



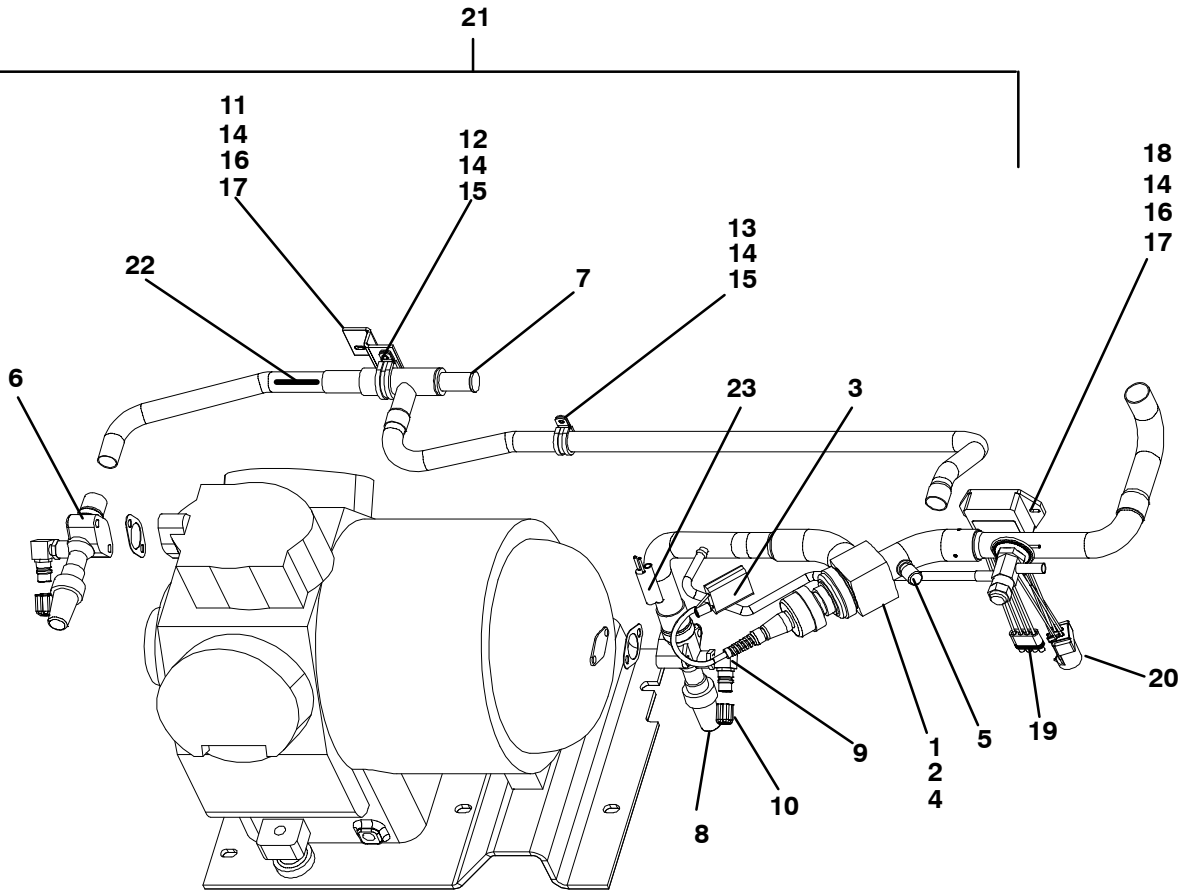
**BOLTED CONDENSER FAN GRILLE
OPTION B**

**HINGED CONDENSER FAN GRILLE
OPTION H**

Item	Part Number	Description	Qty
OPTION B - BOLTED CONDENSER FAN GRILLE, STANDARD PARTS			
1	34-06051-36	Rivnut, 1/4-20	A/R
2	34-06053-03	Washer, 0.250 ID X 1.000 OD	A/R
3	69NT35-2692-1	Washer, Fender, 1/4	A/R
4	34-00663-11	Washer, Lock, 1/4 Spring	A/R
5	66U1-5361-25	Screw, Cap HXHD, 1/4-20 X 0.75	A/R
BLUE PANEL			
-	79-66635-00	Grille and Venturi Assembly, Blue - Includes:	1
6	68-12635-05	Panel Venturi	1
7	86-04637-00	Grille Assembly	1
8	34-00928-07	Rivet, Blind	8
9	62-11273-00	Label, Rotation	1
WHITE PANEL			
-	79-66635-01	Grille and Venturi Assembly, White - Includes	1
6	68-12635-22	Panel Venturi	1
7	86-04637-02	Grille Assembly	1
8	34-00928-07	Rivet, Blind	8
9	62-11273-00	Label, Rotation	1
ORANGE PANEL			
-	79-66635-02	Grille and Venturi Assembly, Orange - Includes	1
6	68-12635-06	Panel Venturi	1
7	86-04637-01	Grille Assembly	1
8	34-00928-07	Rivet, Blind	8
9	62-11273-00	Label, Rotation	1

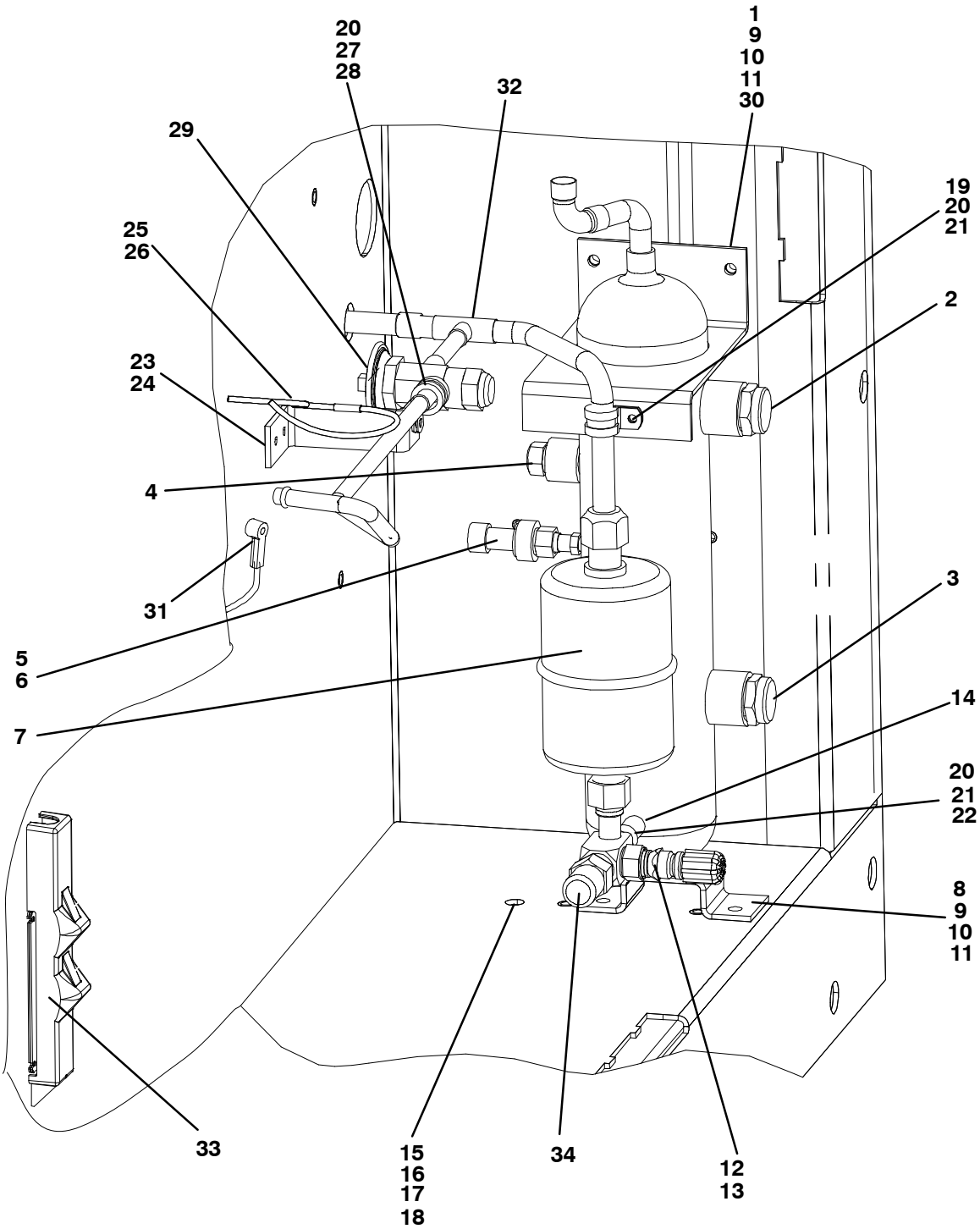
2.11 CONDENSER FAN GRILLE ASSEMBLY (Continued)			
Item	Part Number	Description	Qty
OPTION H – HINGED CONDENSER FAN GRILLE, STANDARD PARTS			
8	34-00928-07	Rivet, Blind	8
10	58-04101-07	Protector	4
11	44-00374-00	Hinge	2
12	34-06179-00	Screw, HXHD, Sems #10-24 x 7/16	4
13	34-06169-00	Washer, Retaining, SST	2
14	34-06053-03	Washer, Mylar, 1/4 ID X 1.00 OD	4
15	69NT35-2692-1	Washer, Fender, 1/4, SST	2
BLUE PANEL WITH SLOTTED SCREW			
Use Standard Parts with Items Below:			
-	79-66635-03	Grille and Venturi Assembly, Blue, Slotted Screw – Includes	1
16	68-12635-03	Panel, Venturi	1
17	86-04637-00	Grille Assembly	1
18	66U1-6811-8	Screw, Retaining, SST	2
WHITE PANEL WITH SLOTTED SCREW			
Use Standard Parts with Items Below:			
-	79-66635-04	Grille and Venturi Assembly, White, Slotted Screw – Includes	1
16	68-12635-21	Panel, Venturi	1
17	86-04637-02	Grille Assembly	1
18	66U1-6811-8	Screw, Retaining	2
ORANGE PANEL WITH SLOTTED SCREW			
Use Standard Parts with Items Below:			
-	79-66635-05	Grille and Venturi Assembly, Orange, Slotted Screw – Includes	1
16	68-12635-04	Panel, Venturi	1
17	86-04637-01	Grille Assembly	1
18	66U1-6811-8	Screw, Retaining	2
BLUE PANEL WITH PHILLIPS SCREW			
Use Standard Parts with Items Below:			
-	79-66635-06	Grille and Venturi Assembly, Blue, Phillips Screw – Includes	1
16	68-12635-03	Panel, Venturi	1
17	86-04637-00	Grille Assembly	1
19	66U1-6811-12	Screw, Retaining	2
WHITE PANEL WITH PHILLIPS SCREW			
Use Standard Parts with Items Below:			
-	79-66635-07	Grille and Venturi Assembly, White, Phillips Screw – Includes	1
16	68-12635-21	Panel, Venturi	1
17	86-04637-02	Grille Assembly	1
19	66U1-6811-12	Screw, Retaining	2
ORANGE PANEL WITH PHILLIPS SCREW			
Use Standard Parts with Items Below:			
-	79-66635-08	Grille and Venturi Assembly, Orange, Phillips Screw – Includes	1
16	68-12635-04	Panel, Venturi	1
17	86-04637-01	Grille Assembly	1
19	66U1-6811-12	Screw, Retaining	2

2.12 COMPRESSOR TUBING



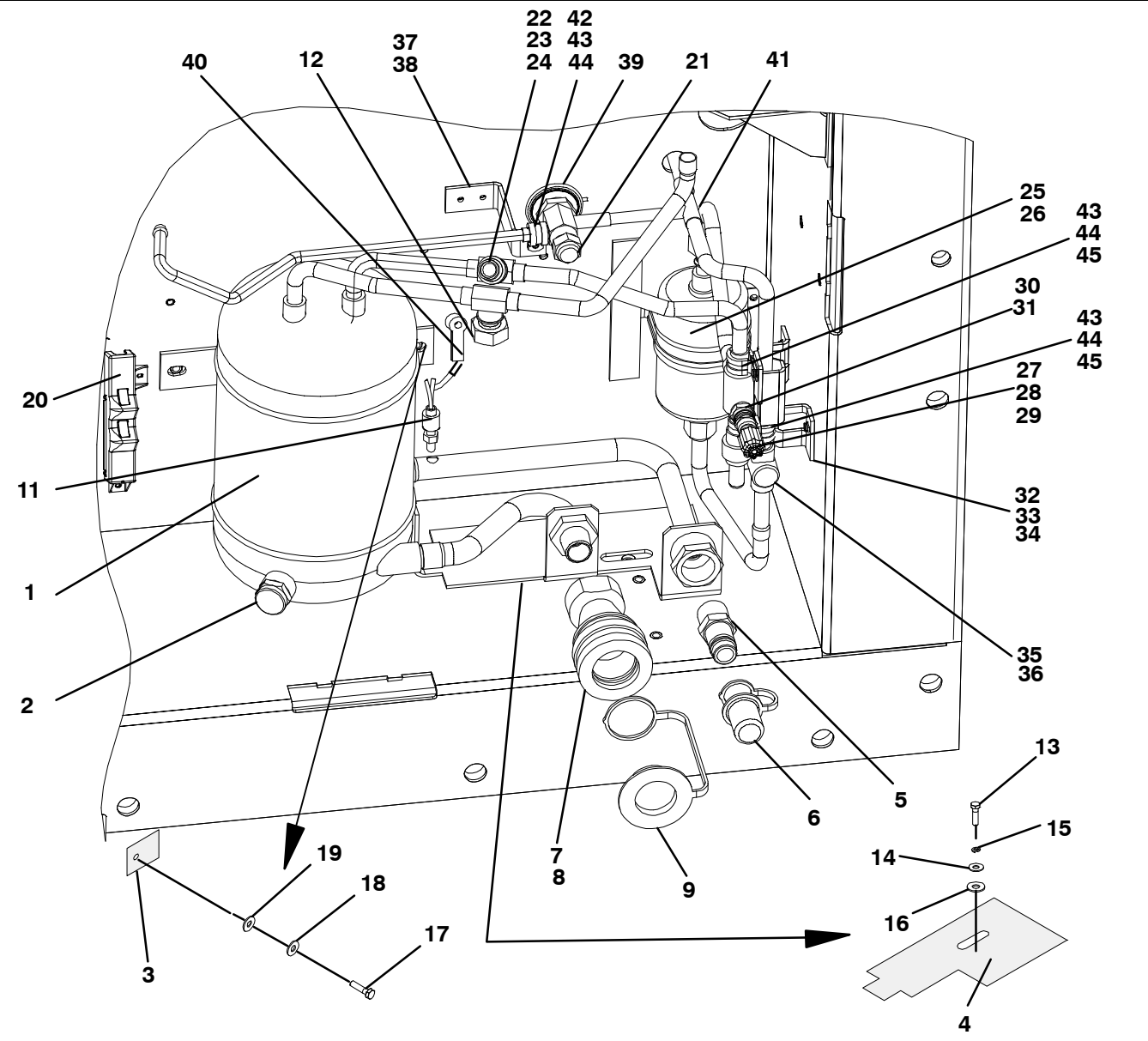
2.12 COMPRESSOR TUBING (Continued)			
Item	Part Number	Description	Qty
1	14-00263-00	Valve, Stepper Motor – Includes:	1
2	14-00263-20	Piston and Motor Assembly – Includes:	1
3	22-02392-03	Connector (To Power Pack)	1
NS	22-02393-01	Pin, 18-20 Gauge (Used on 22-02392-03)	4
NS	22-02394-03	Seal (Used on 22-02392-03)	4
4	14-00263-23	O-Ring	1
5	14-00263-22	Cap	1
6		Valve, Service (Discharge) – See Section 4.3	1
7	14-00204-02	Valve, Discharge Pressure Regulator (DPRV)	1
8	–	Valve, Service (Suction) – See Section 4.3	1
9	40-00542-00	Elbow, Adapter (R134a)	1
10	40-00520-02	Cap, M8 X 1.00, Nylon	1
11	69NT41-702	Bracket Assembly	1
12	66U1-3632-24	Clamp, Cushion, 1.18 Diameter	1
13	34-00373-11	Clamp, Cushion, 0.88 Diameter	1
14	66U1-5381-1	Screw, Hex Head, #10-24 X 0.75 Long, SST	4
15	34-06053-00	Washer, Mylar, 0.25 ID X 0.80 OD	3
16	66U1-5321-8	Washer, Flat, #10, SST	3
17	34-06053-05	Washer, Mylar, .205 ID X .60 OD	3
18	10-00388-00	Power Pack, Stepper Motor – Includes:	1
19	22-01585-04	Connector (To Valve)	1
20	22-01836-00	Connector (To Harness)	1
21	81-01482-00	Tubing assembly	1
NS	22-01566-01	Socket (Used on 22-01585-04)	4
NS	22-02393-00	Pin (Used on 22-01830-00)	4
NS	22-02394-02	Seal (Used on 22-01835-00, 22-01585-04 and 22-01830-00)	A/R
NS	22-01835-00	Connector (On Harness to Drive)	1
NS	22-01566-00	Pin (Used on 22-01835-00)	5
REFRIGERATION TEMPERATURE SENSORS			
22	12-01105-02	Sensor, Thermistor (CPDS)	1
23	12-01104-05	Sensor, Thermistor (CPSS)	1

2.13 RECEIVER



2.13 RECEIVER (Continued)			
Item	Part Number	Description	Qty
1	69NT43-403-2	Receiver, Electro-Coated Modular, Copper - Includes:	1
2	14-00220-01	Glass, Sight, with Red Balls, 1/2-14 NPT	1
3	14-00221-01	Indicator, Moisture-Liquid	1
4	14-01032-14	Plug, Fusible, 3/8 NPT, Brass	1
	14-00215-06	Disc, Rupture, 3/8 NPT, Alternate	1
NS	22-02448-00SV	Connector, Female (Located on Wire Harness)	1
5	12-00352-00	Transducer, Condenser Pressure (CPT)	1
6	EC39DM062	Valve, Schrader	1
7	14-00341-02SV	Filter-Drier with O-Rings	1
8	69NT43-277	Bracket, Liquid Line Valve	1
9	66U1-5361-25	Screw, Hex Head, 1/4-20 X 3/4 Long, SST	A/R
10	66U1-5321-7	Washer, Flat, 1/4, SST	3
11	34-06053-00	Washer, Mylar, 0.25 ID X 0.80 OD	4
12	40-00520-01	Coupling, M15, Brass - Includes:	1
13	40-00520-03	Cap, Service Port	1
14	14-00221-00	Valve, Liquid Line	1
15	66U1-5361-7	Bolt, Hex Head, 3/8-16 X 1.00 Long, SST	1
16	AU11JR241	Washer, Lock, 3/8, SST	1
17	66U1-5321-5	Washer, Flat, 3/8, SST	1
18	34-06053-02	Washer, Mylar, 0.375 ID X 1.00 OD	1
19	34-00373-05	Clamp, Cushion, 1/2 Diameter	1
20	66U1-5371-6	Screw, Machine, Hex Head, #10-24 X 0.75 Long, SST	3
21	34-06053-05	Washer, Mylar, .205 ID X .60 OD	4
22	34-00373-07	Clamp, Cushion, 5/8 Diameter	1
23	69NT43-420	Bracket Assembly, Quench Valve	1
24	34-00928-09	Rivet, Blind, 5/32 Diameter, Grip Range - 1/8-1/4, SST	2
25	66U2-1132-1	Connector	1
26	66U1-3803	Heat Shrink	1
27	34-00373-54	Clamp, Cushion, 0.44 Diameter	1
28	34-06053-03	Washer, Mylar, 0.25 ID X 1.00 OD	1
29	14-00212-03SV	Valve, Quench, Thermostatic Expansion - Includes:	1
NS	14-00212-21	Kit, Repair - Includes:	1
NS	NSS	Power Head	1
30	58-04026-23	Protector, Mylar	1
31	12-00495-02SV	Sensor, Ambient Thermistor (AMBS)	1
32	DE40BA203	Tee, Reducing 1/2 X 1/2 X 3/8	1
33	-	See Section 5.9 for Sensor Assembly and Related Parts	-
34	40-00501-50	Cap, Service Valve	1

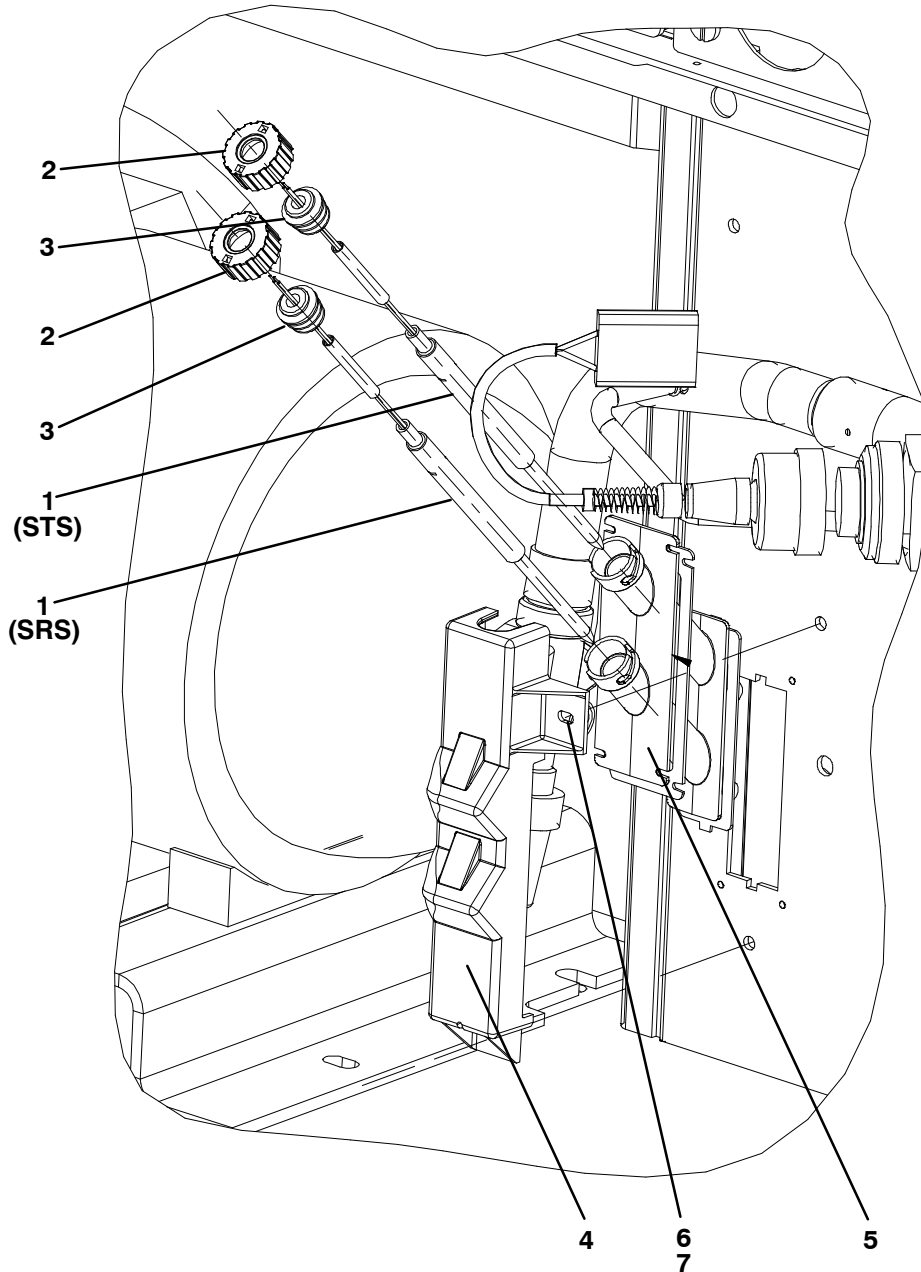
2.14 WATER-COOLED CONDENSER



Item	Part Number	Description	Qty
-	69NT42-914	Kit, Condenser/Receiver (For Field Installation) - See NOTE - Includes:	1
1	69NT42-914-1	Condenser/Receiver - Includes:	1
2	14-00220-00	Sight Glass with Red Balls, 1/2 NPT	1
3	58-00956-00	Protector, Mylar	2
4	58-00957-00	Protector, Mylar	1
5	66U1-2763-5	Coupling (Water-In)	1
6	66U2-1142	Cap, Dust	1
7	40-01129-00	Coupling, Self-Draining - Includes:	1
7	66U1-2763-6	Coupling Assembly, Socket - Includes:	1
8	42-50000-00	Seal, O-Ring	1
9	66U2-1152	Cap, Dust (Use with 40-01129-00)	1
10	79-01757-00	Cap Assembly (Use with 66U1-2763-6)	1
11	12-01071-01SV	Switch, Water Pressure Option W	1
12	14-00215-05	Disc, Rupture, 3/8 NPT	1

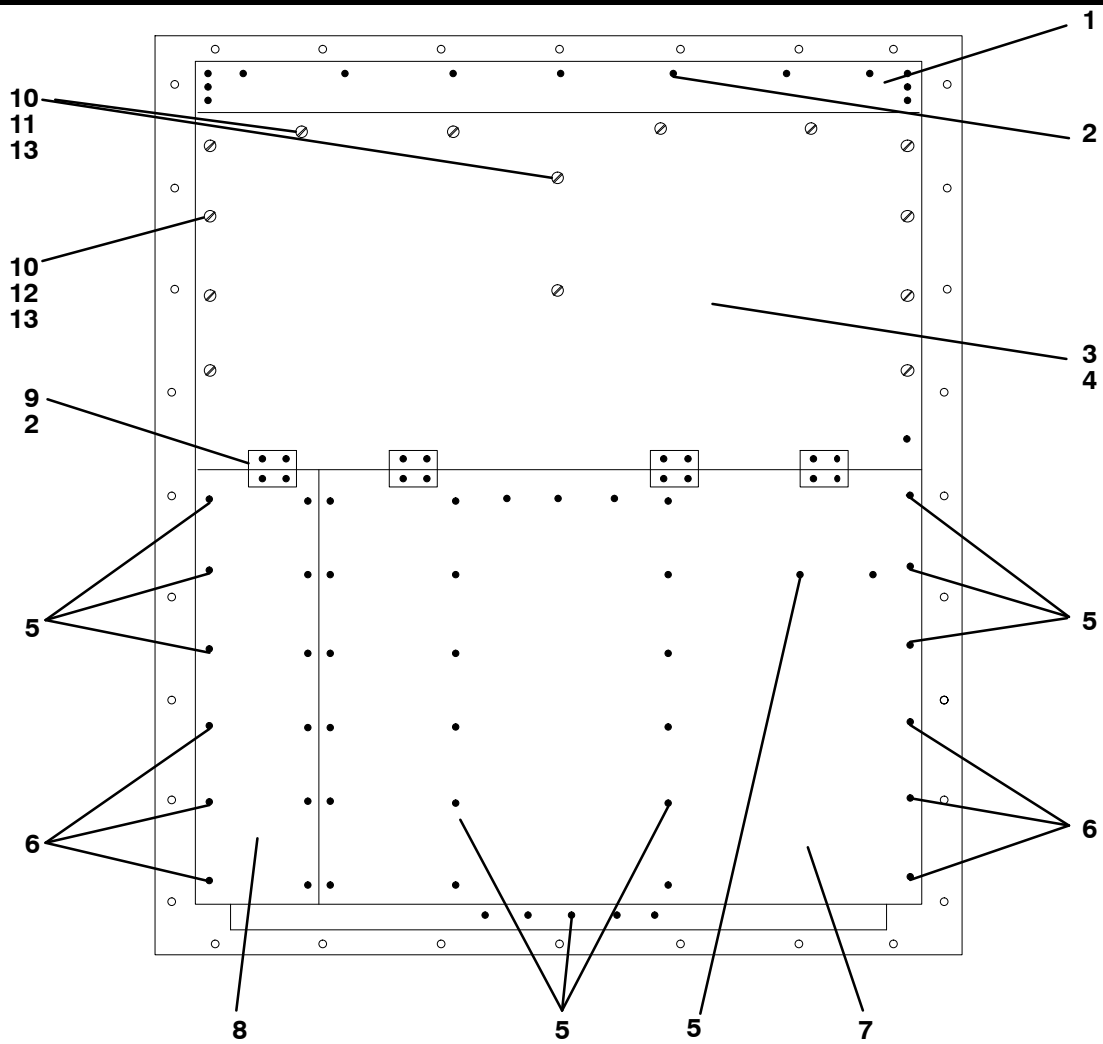
2.14 WATER-COOLED CONDENSER (Continued)			
Item	Part Number	Description	Qty
13	66U1-5361-7	Bolt, Hex Head, 3/8-16 X 1.00 Long, SST	1
14	66U1-5321-5	Washer, Flat, 3/8, SST	1
15	AU11JR241	Washer, Lock, 3/8, SST	1
16	34-06053-02	Washer, Mylar, 3/8 ID X 1.00 OD	1
17	66U1-5361-25	Screw, Cap, Hex Head, 1/4-20 X 3/4 Long, SST	2
18	66U1-5321-7	Washer, Flat, 1/4, SST	2
19	34-06053-00	Washer, Mylar, 1/4 ID X 13/16 OD	2
20	-	See Section 2.15 for Sensor Assembly and Related Parts	-
-	76-00677-00	Accessory Kit, Water-Cooled Condenser Tubing - Includes:	-
21	06DA403-844	Valve, Schrader	1
22	12-00352-00	Transducer, Condenser Pressure (CPT)	1
23	69NT41-477	Tube Assembly - Includes:	1
24	40-00555-06	Tee, 1/2 X 1/2 X 3/8 NPT, Brass	1
25	14-00341-02SV	Filter-Drier with O-Rings	1
26	69NP20-1031	Clamp, Filter-Drier - Includes:	1
NS	58-50014-00	Gasket (16 Feet, Cut to Length)	1
-	69NT41-497	Tube Assembly - Includes:	1
27	66U1-8552-2	Valve, Liquid Line - Includes:	1
28	40-00086-04	Cap, Flare, 1/4	1
29	17-21002-01	Cap, Valve	1
30	40-00520-01	Coupling, M15, Brass - Includes:	1
31	40-00520-03	Cap, Service Port	1
32	68-12368-00	Bracket	1
33	66U1-5371-6	Screw, Hex Head, #10-24 X 3/4 Long, SST	2
34	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	2
35	69NT41-487	Tube Assembly - Includes:	1
36	14-01092-03	Indicator, Liquid-Moisture, Brass	1
37	69NT43-420	Bracket Assembly	1
38	34-00928-09	Rivet, Blind, 5/32 Diameter, Grip Range - 1/8-1/4	2
39	14-00212-03SV	Valve, Quench, Thermostatic Expansion - Includes:	1
NS	14-00212-21	Kit, Repair - Includes:	1
NS	NSS	Power Head	1
40	12-00495-02SV	Sensor, Ambient Thermistor (AMBS)	1
41	DE40BA203	Tee, Reducing, 1/2 X 1/2 X 3/8	1
42	34-00373-54	Clamp, Cushion, 0.44 Diameter	1
43	34-06053-03	Washer, Mylar, 0.25 ID X 1.00 OD	3
44	66U1-5371-6	Screw, Machine Hex Head, #10-24 X 0.75 Long, SST	3
45	34-00373-07	Clamp, Cushion, 0.62 Diameter	2
NOTE			
Must order tubing accessory kit 76-00677-00 when ordering P/N 69NT42-914 for field installation on units provisioned for a water-cooled condenser.			

2.15 SRS AND STS



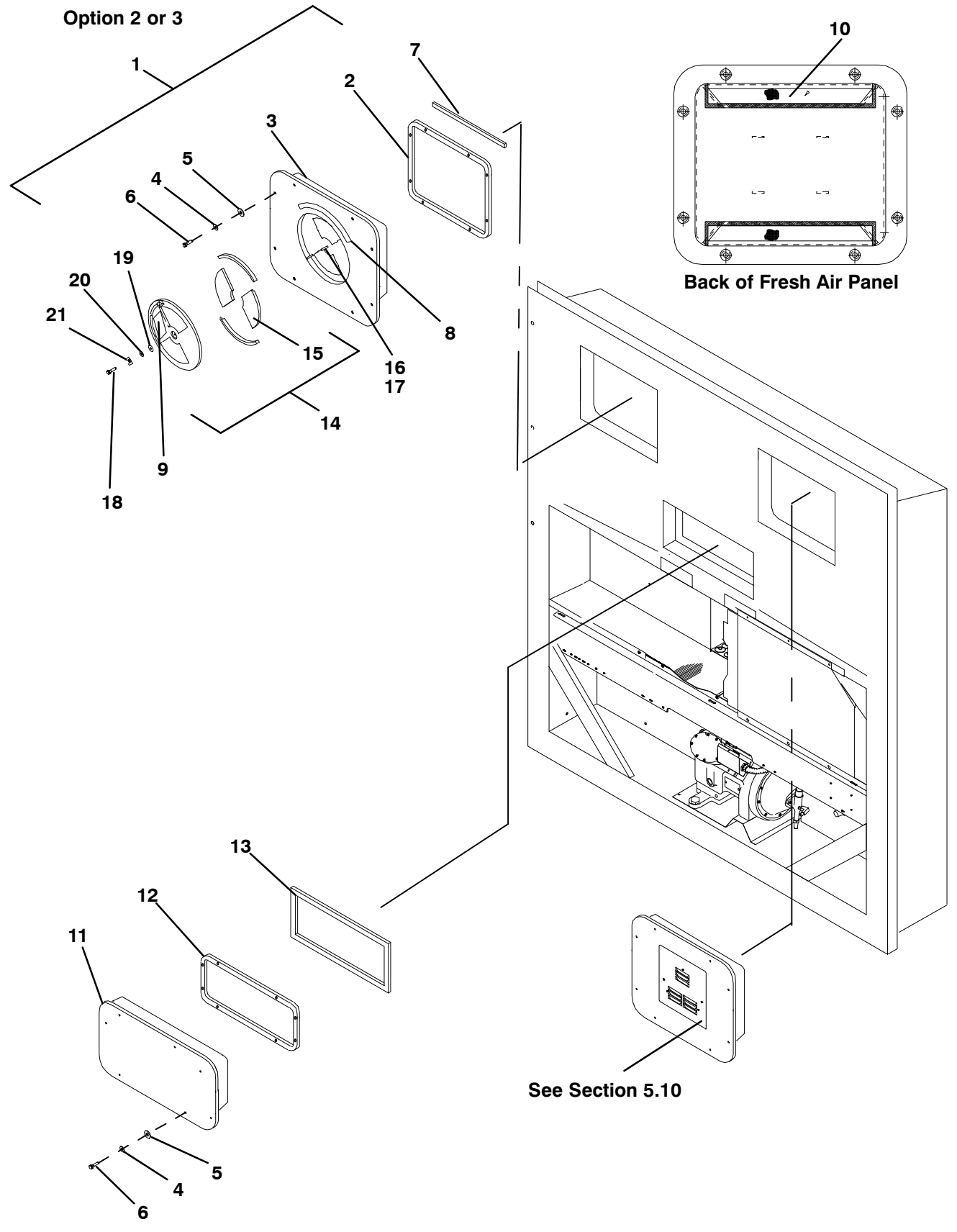
Item	Part Number	Description	Qty
1	12-00395-01SV	Sensor Assembly (STS and SRS)	1
2	58-04277-00SV	Cap, Probe - Includes:	2
3	58-04278-00	Grommet NSS	2
4	58-04279-00	Cover, Probe	1
5	58-04276-00	Holder, Probe	1
6	66U1-5321-7	Washer, Flat, 1/4, SST	2
7	66U1-5371-7	Screw, Machine, Hex Head, #10-24 X 0.50 Long, SST	2

2.16 BACK PANEL ASSEMBLY – OPTION 4, Aluminum HINGED



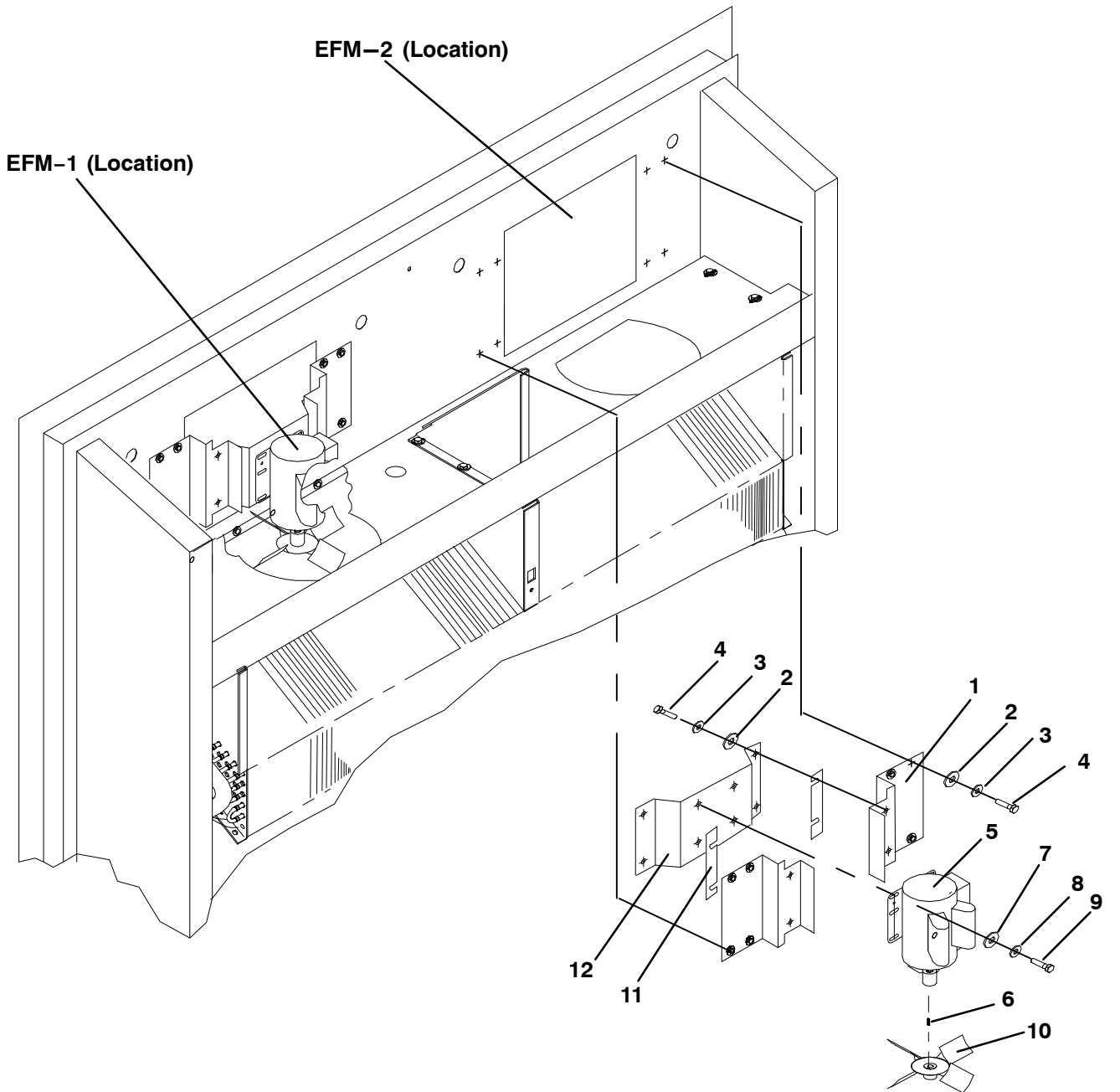
Item	Part Number	Description	Qty
1	69NT43-116	Grille, Top	1
2	34-00928-09	Rivet, Blind, 5/32 Diameter, Grip Range - 1/8-1/4	37
3	69NT41-942-4	Panel Assembly, Upper - Includes:	1
NS	NSS	Drain Pan, Side	2
NS	NSS	Drain Pan, Center	1
4	42-00334-00	Gasket (Location - Behind Upper Panel)	1
5	34-00928-02	Rivet, Blind, 1/8 Diameter, Grip Range - 1/8-3/16	46
6	34-00928-03	Rivet, Blind, 1/8 Diameter, Grip Range - 3/16-1/9	3
7	68-13475-00	Panel, Bottom, (Painted)	1
	68-13475-08	Panel, Bottom, (Unpainted)	1
8	68-13475-01	Panel, Bottom (Provision for USDA Location), (Painted)	1
	68-13475-09	Panel, Bottom (Provision for USDA Location), (Unpainted)	1
NS	66U1-8075	Gasket (25-foot, Cut to Length)	A/R
9	69NT35-3282	Hinge	4
10	34-01150-30	Washer, Retaining	14
11	34-01150-06	Stud, 1/4 Turn, 1.03 Long	6
12	34-01150-03	Stud, 1/4 Turn, 0.97 Long	8
13	34-01150-31	Receptacle, Retaining	14

2.17 UPPER FRESH AIR MAKE-UP AND ACCESS PANEL



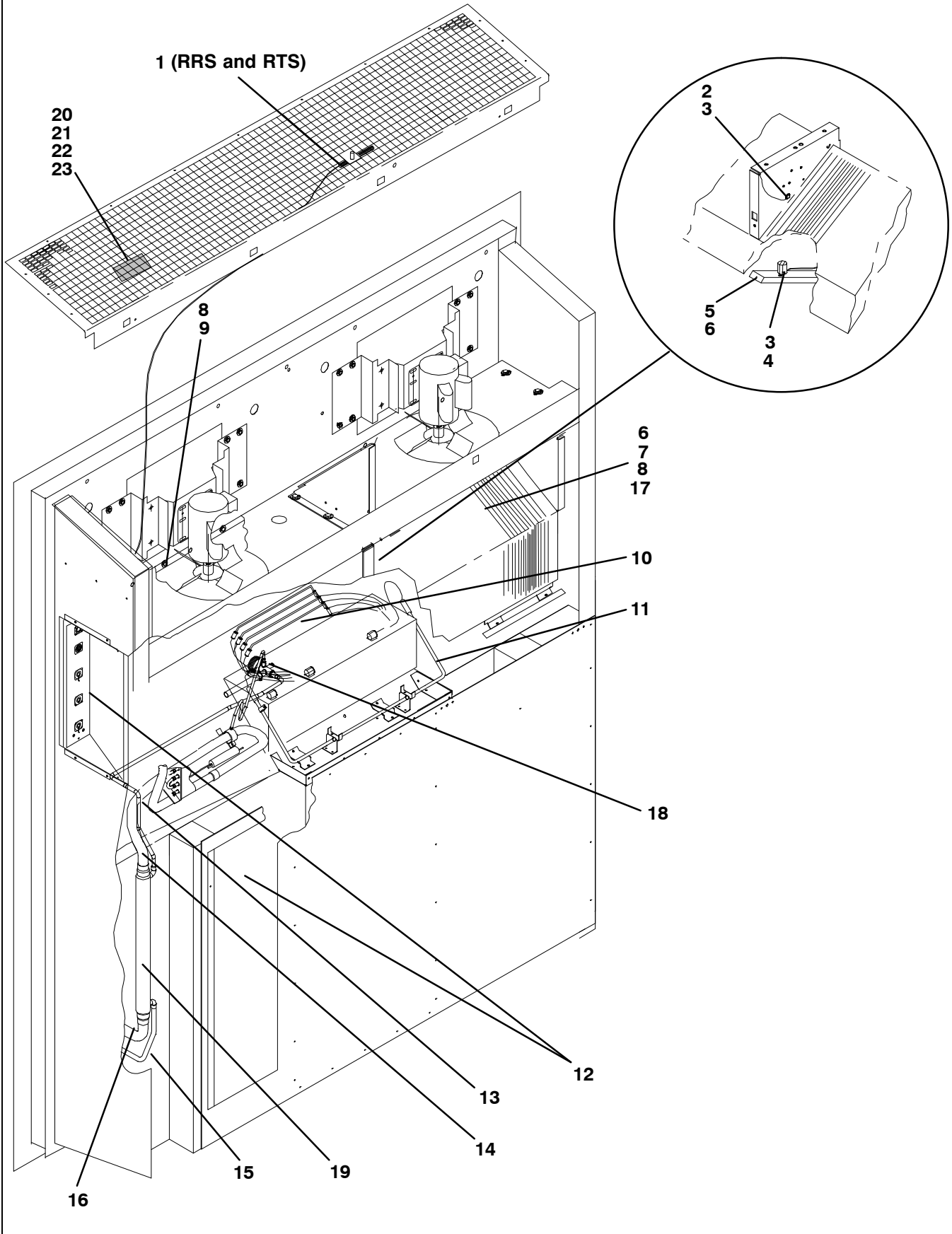
2.17 UPPER FRESH AIR MAKE-UP AND ACCESS PANEL (Continued)			
Item	Part Number	Description	Qty
OPTION 2 EVAPORATOR FAN ACCESS PANEL – WITH FRESH AIR MAKEUP			
1	79-01694-00	Panel, Fresh Air Make-up with Retaining Washers – Includes:	A/R
	79-01695-00	Panel with Fresh Air Makeup – Includes:	1
2	42-00296-01	Gasket	1
3	42-00327-00	Gasket, – 0.26 X 0.50 Half-Round	1
4	34-00662-11	Washer, Flat, 1/4, SST	8
5	34-06053-00	Washer, Mylar, 1/4 ID X 0.80 OD	8
6	34-06154-00	Screw, Hex Head, 1/4-20 X 1.00 Long – TIR	8
7	66U1-2552-185	Gasket, 0.75 X 1.5 X 16.63	1
8	–	Label, Fresh Air (See Section 2.26 for Language Selection)	1
9	62-02783-00	Label, Fresh Air	1
OPTION 3 WITH FRESH AIR MAKEUP AND SCREENS – USE ALL OF OPTION 2 AND ITEM BELOW			
10	58-04251-00	Screen, Medfly	2
HEATER ACCESS PANEL			
11	79-01697-07SV	Panel, Access – Includes:	1
12	42-00296-00	Gasket	1
13	66U1-8115	Gasket, Access Panel	1
5	34-00662-11	Washer, Flat, 1/4, SST	8
6	34-06053-00	Washer, Mylar, 1/4 ID X 0.80 OD	8
7	34-06154-00	Screw, Hex Head, 1/4-20 X 1.00 Long – TIR	8
STUD ASSEMBLY KITS (REPLACEMENT)			
14	74-00201-01	Kit, Gasket and Stud Assembly (See NOTE 2) – Includes:	1
15	42-00407-00	Gasket (One Piece)	1
16	74-00201-02	Kit, Disc and Stud Assembly (See NOTE 1) – Includes:	1
17	NSS	Stud Assembly, 5/16-18	1
18	34-06185-01	Screw, Machine Pan Head, #8-32 X 1/2 Long, SST	1
19	34-06053-19	Washer, Mylar, 1.00 OD X 0.312 ID	1
20	66U1-5321-13	Washer, Flat, 5/16, SST	1
21	66U1-5362-2	Nut, Wing, 5/16-18, SST	1
NOTES			
1. Disc and stud assembly kit, which will modify stud to 5/16-18, also includes new disc and gasket.			
2. Must order 74-00201-01 stud assembly kit, which will modify stud to 5/16-18 and include 42-00407-01 (one-piece) gasket.			

2.18 EVAPORATOR FAN ASSEMBLY



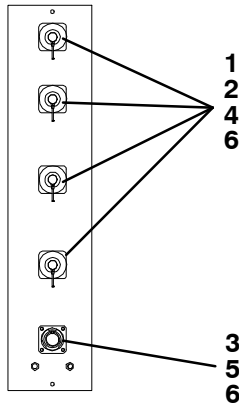
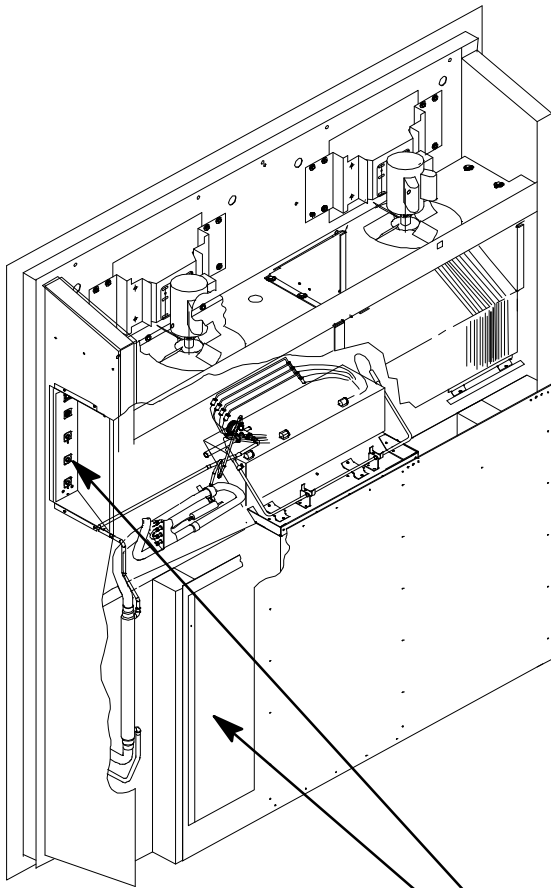
2.18 EVAPORATOR FAN ASSEMBLY (Continued)			
Item	Part Number	Description	Qty
1	69NT35-1173	Mounting Bracket, Evaporator Fan Assembly	4
2	66U1-5321-5	Washer, Flat, 3/8, SST	24
3	AU11JR241	Washer, Lock, 1/4, SST	24
4	66U1-5361-7	Bolt, Hex Head, 3/8-16 X 1.00 Long, SST	24
5	54-00513-00SV	Motor, Evaporator Fan (Two Speed) – Includes:	2
6	PL	Key, 3/16 Square X 1-38 Long, SST	1
NS	54-00122-21	Bearing	2
NS	22-50087-00	Capacitor	1
NS	54-50044-00	Relay, Motor	1
NS	54-00521-22	Capacitor, Low Speed, 5 μ F – used ONLY with 54-00513-00/74899	1
NS	22-50087-00	Capacitor, Low Speed, 15 μ F– used ONLY with 54-00513-00/51820	1
NS	22-50088-00	Capacitor (20 μ F) High Speed (Microfarads)	1
7	34-01181-01	Washer, Flat, 5/16, SST	16
8	34-00792-10	Screw, Cap, Hex Head, 5/16-18 X 1-1/4 Long, SST	8
9	34-00667-12	Locknut, 5/16-18, SST	8
10	38-00126-00	Fan, Evaporator (EFM-1) – Includes:	1
NS	PL	Setscrews, 5/16-24 X 5/8 Long, SST	2
10	38-00125-00	Fan, Evaporator (EFM-2) – Includes:	1
NS	PL	Setscrews, 5/16-24 X 5/8 Long, SST	2
11	69NT35-1662	Shim, .063 Thick (If Required)	2
	69NT35-1662-1	Shim, .090 Thick (If Required)	2
12	69NT35-1173	Bracket, Motor Mount	2

2.19 EVAPORATOR COIL - REAR PANELS REMOVED

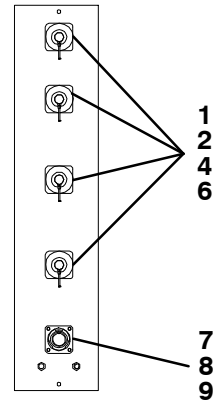


2.19 EVAPORATOR COIL – REAR PANELS REMOVED (Continued)			
Item	Part Number	Description	Qty
1	12-00500-01SV	Sensor Assembly (RRS and RTS)	1
2	12-00495-20SV	Sensor, Thermistor, Defrost (DTS)	1
3	34-01178-22	Screw, Hex Head, #8-32 X 1/2 Long, SST (For Mounting DTS)	3
4	66U1-6912-16	Thermostat, Heat Termination (HTT)	1
5	AA06JA166	Screw, Cap, Hex Head, 1/4-20 X 1/2 Long	1
6	AU11JR171	Washer, Lock, 1/4, SST	10
7	66U1-5361-25	Screw, Cap, Hex Head, 1/4-20 X 3/4 Long, SST	9
8	69NT35-2692-1	Washer, Fender, 1/4, SST	A/R
9	34-00655-10	Screw, Cap, Hex Head, 1/4-20 X 1-1/4 Long, SST	4
10	24-00006-02	Heater, Evaporator Coil	4
11	24-00003-00	Heater, Drain Pan	1
NS	66U1-3803-1	Tube, Heat Shrink, 1/2 X 2-3/4 Long	A/R
12	-	USDA Option – Refer to Section 2.20	-
NS	69NT35-6522	Retainer (For Heaters)	3
13	56-07905-00	Tubing	1
14	69NT35-9674-1	Tubing	1
15	69NT35-4027-1	Tubing	1
16	56-07323-00	Tubing	1
OPTION 2 – NEW COIL WITH HERMETIC TXV and STANDARD HEAT EXCHANGER			
17	81-01549-00	Coil, Evaporator	1
18	14-00273-03	Valve, Thermostatic Expansion, Hermetic	1
19	65-00144-00	Exchanger, Heat	1
OPTION 3 – NEW COIL WITH HERMETIC TXV and LARGE HEAT EXCHANGER			
17	81-01549-00	Coil, Evaporator	1
18	14-00273-01	Valve, Thermostatic Expansion, Hermetic	1
19	65-00144-01	Exchanger, Heat	1
DEHUMIDIFICATION			
-	76-00675-01	Kit, Humidity Sensor (Field installation, Units Provisioned for – Refer to Container Unit Matrix) – Includes:	-
20	10-00413-00	Sensor, Humidity (HS)	1
21	66U1-5371-10	Screw, Hex Head, #10-24 X 1.00 Long, SST	4
22	66U1-5321-8	Washer, Flat, #10, SST	2
23	68-13181-00	Bracket Assembly, Humidity Sensor	1

2.20 USDA OPTION



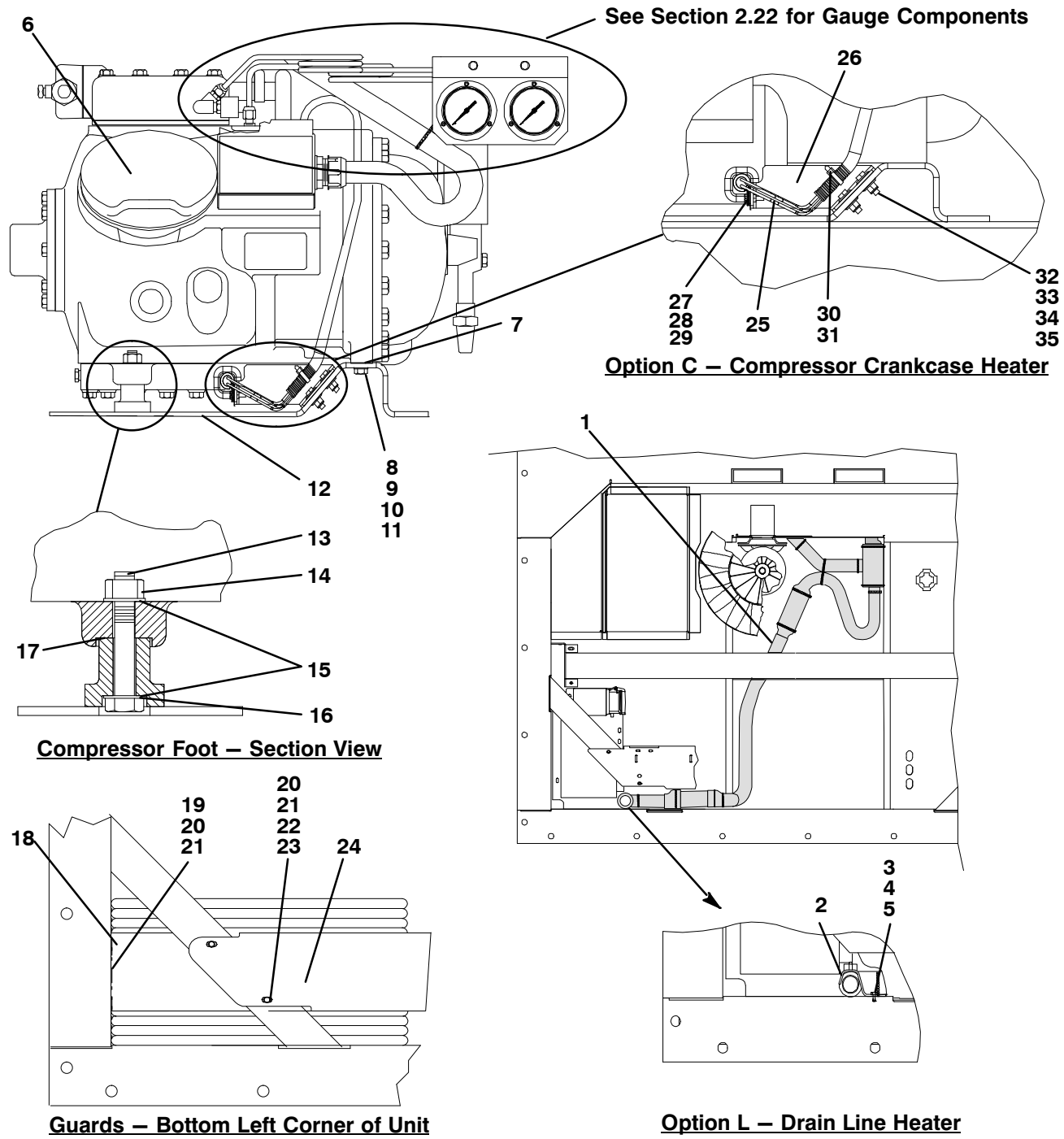
Option - D



Option - V

2.20 USDA OPTION (Continued)			
Item	Part Number	Description	Qty
OPTION D – CONNECTOR			
-	76-00684-00	Kit, USDA (For field installation, units provisioned for rear-mounted USDA – See T-300) – Includes:	-
-	76-00760-00	Kit, USDA (For field installation, units provisioned for side-mounted USDA – See T-300) – Includes:	-
1	22-00397-12	Plug, Sealing	4
2	22-01660-00	Receptacle (PR1, PR2, PR3, Cargo Probe 4) (3-Pin)	4
3	22-01660-03	Receptacle, Interrogator (ICR) (5-Pin)	1
NS	69NT41-992	Plate Assembly, USDA – Includes:	1
4	69NT43-175	Cap, Dust, with Tether (3-Pin)	4
5	69NT43-176	Cap, Dust, with Chain (5-Pin)	1
6	22-01613-14	Contact, Pin, #16 (Used with 22-01660-00 and 22-01660-03)	13
NS	69NT40-507-1	Door Assembly (Included and Used with REAR-Mount USDA only)	1
NS	22-01660-04	Plug, Interrogator Socket (ICR) (5-Pin)	1
OPTION V – CONNECTOR			
7	22-02412-00	Receptacle, Interrogator (5-Pin)	1
8	22-02413-00	Cap, Dust, with Tether (5-Pin)	1
9	22-02398-02	Socket, Contact (Silver Plated)	A/R
	22-02398-03	Socket, Contact (Gold Plated)	A/R
USDA PROBE KITS			
NS	12-00342-03	Sensor Assembly, 15M Long (USDA Probe) – Includes:	A/R
	12-00342-02	Sensor Assembly, 13.5M Long (USDA Probe) – Includes:	A/R
	12-00342-04	Sensor Assembly 15M Long(USDA Probe) – Includes:	A/R
NS	22-50127-00	Plug, Socket (PR1, PR2, PR3, Cargo Probe 4)	1
NS	22-01613-15	Contact, Socket, #16 (Used with 22-50127-00 and 22-01660-04)	A/R
NOTE			
Do not mix silver pins with gold pins and sockets.			

2.21 COMPRESSOR MOUNTING, GUARD, CRANKCASE AND DRAIN LINE HEATER COMPONENTS

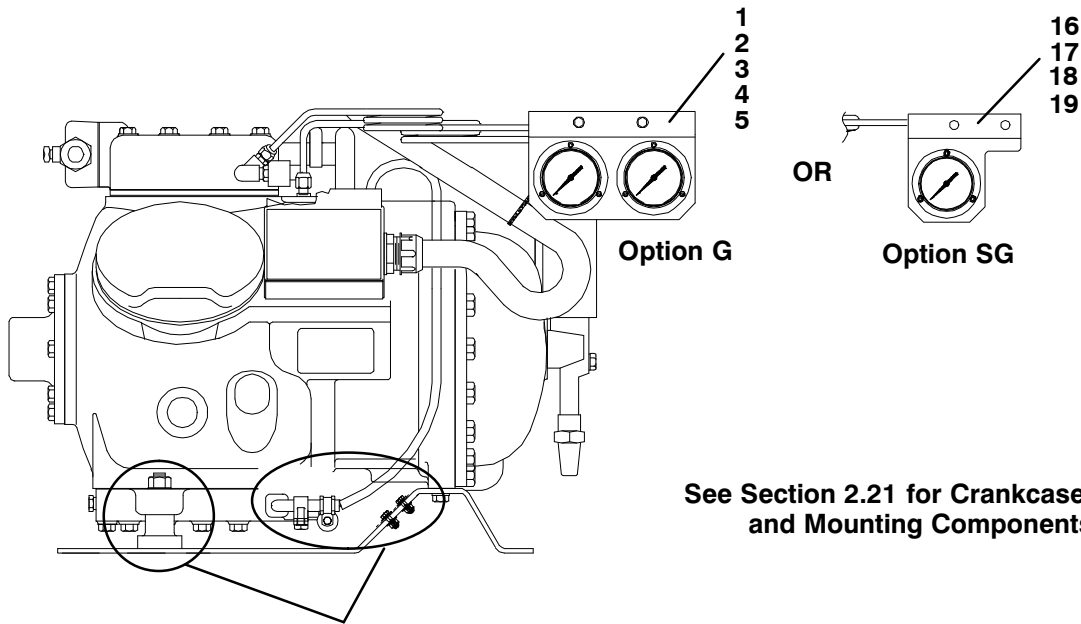


OPTION L – DRAIN LINE HEATER			
Item	Part Number	Description	Qty
1	22-01959-01	Hose Assembly	1
2	68-12960-00	Bracket, Drain	1
3	66U1-5371-6	Screw, Hex Head, #10-24 X 3/4 Long, SST	2
4	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	2
5	66U1-5321-8	Washer, Flat, 7/16, SST	2

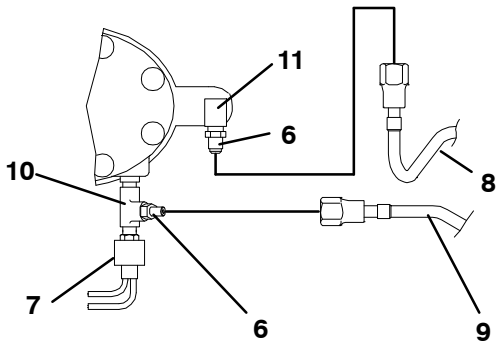
2.21 COMPRESSOR MOUNTING, GUARD, CRANKCASE AND DRAIN LINE HEATER COMPONENTS			
Item	Part Number	Description	Qty
OPTION B – CRANKCASE HEATER AND DRAIN LINE HEATER			
Use Option C and Option L for Both Crankcase Heater and Drain Line Heater			
6	–	Compressor – Refer to Section 4	–
7	69NT35–6132	Protector (Compressor to Compressor Base)	1
8	AU11JR241	Washer, Lock, 3/8, SST	2
9	AA06JA232	Screw, Cap, Hex Head, 3/8–16 X 1–1/4 Long, SST	2
10	34–00829–13	Washer, Flat, 3/8, SST	2
11	34–06053–02	Washer, Mylar, 0.375 ID X 1.00 OD	2
12	69NT43–469	Base, Compressor	1
NS	66U1–5361–7	Bolt, Hex Head, 3/8–16 X 1.00 Long, 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
13	34–00849–22	Screw, Cap, 7/16–14 X 2–3/4 Long, SST	2
14	34–00667–14	Locknut, 7/16–14, SST	2
15	66U1–5321–8	Washer, Flat, 7/16, SST	4
16	34–06053–07	Washer, Mylar, 0.438 ID X 0.922 OD	2
17	34–06053–01	Washer, Mylar, 0.438 ID X 1.125 OD	2
18	68–12993–00	Panel, Guard	1
	68–12523–00	Panel, Guard – Large	1
19	66U1–5361–25	Screw, Hex Head, 1/4–20 X 3/4 Long, SST	1
20	66U1–5321–7	Washer, Flat, 1/4, SST	9
21	34–06053–00	Washer, Mylar, 1/4 ID X 3/4 OD	9
22	66U1–5361–11	Screw, Cap, Hex Head, 1/4–20 X 1–1/2 Long, SST	4
23	34–00667–11	Locknut, 1/4–20, SST	4
24	68–12432–00	Guard, Compressor, 0.125 Thick Aluminum (Blue)	1
	68–12432–01	Guard, Compressor, 0.090 Thick Aluminum (Blue)	1
	68–12432–02	Guard, Compressor, 0.090 Thick Aluminum (White)	1
	68–12432–03	Guard, Compressor, 0.125 Thick Aluminum, for Right Extended Guard (Blue)	1
OPTION C – CRANKCASE HEATER (for PID NT–0850 and Up Only) See Note 1			
–	76–00766–00	Crankcase Heater Installation Kit – Includes:	1
25	24–02019–02	Heater, Compressor Crankcase (CCH) NSS	1
26	69NT–34–8248	Bracket, Heater NSS	1
27	44–00370–03	Clamp, Tube, Cushioned, 1/2 Diameter, SST	1
28	34–06053–03	Washer, Mylar, 1/4 ID X 1.00 OD	1
29	66U1–5371–6	Screw, Machine Hex Head, #10–24 X 0.75 Long, SST	1
30	58–04316–00	Wire Tie Base	1
31	66U1–3882	Wire Tie	1
NS	66U1–3803	Heat Shrink Tubing	3
NS	22–01292–00	Butt Splice	3
NS	22–00121–27	Terminal, Ring	1
NS	02–00010–01	Thermo Grease	1
32	34–00655–08	Screw, Hex Head, 1/4–20 X 1.00 Long, SST	2
33	34–06053–00	Washer, Mylar, 0.25 ID X 0.75 OD	4
34	34–00662–11	Washer, Flat, 1/4 X 0.05 Thick	4
35	34–00667–11	Locknut, 1/4–20	2

Note: Contact your local service representative for crankcase heater applications previous to PID number NT–0850

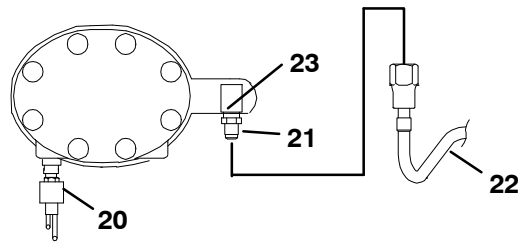
2.22 COMPRESSOR GAUGES AND TRANSDUCERS



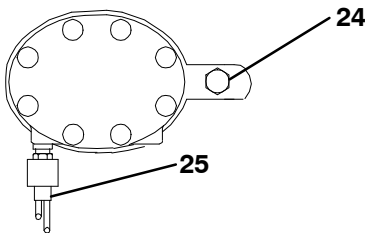
See Section 2.21 for Crankcase Heater and Mounting Components



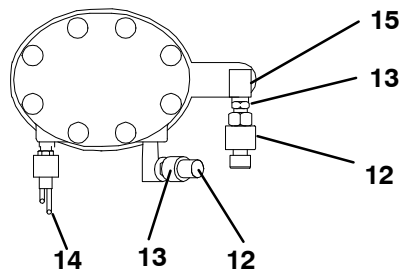
Option G – Center Cylinder Head View with Both Gauges



Option SG – Center Cylinder Head View with Suction Gauge Only



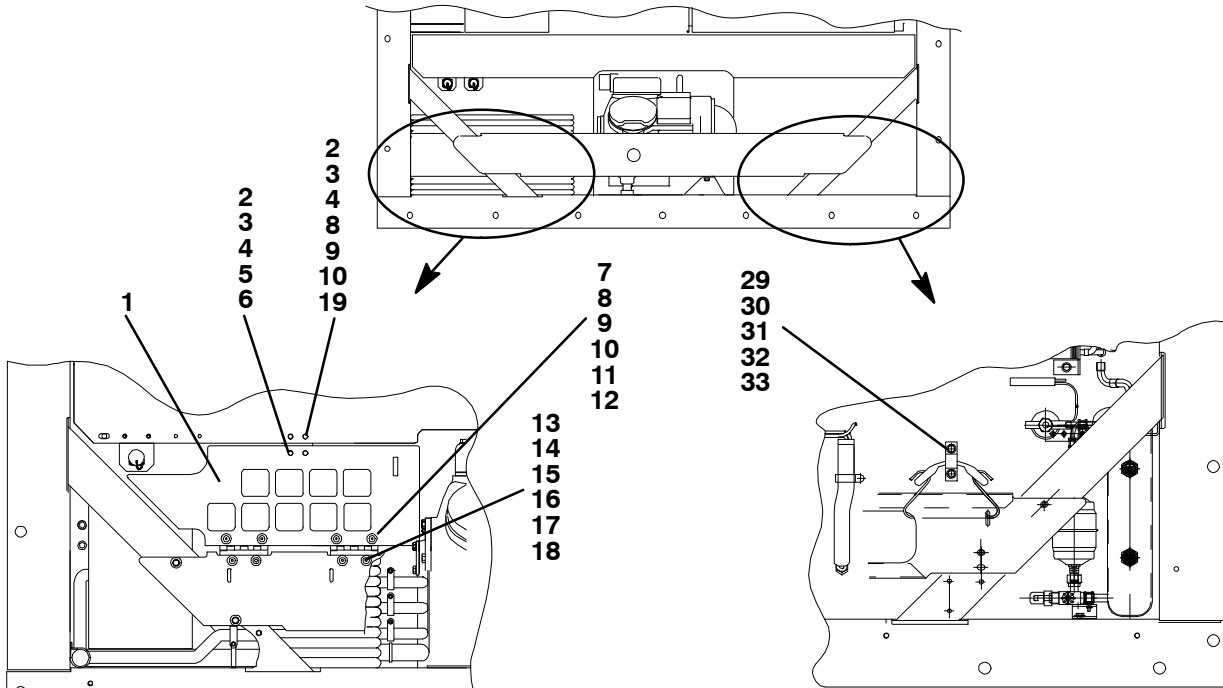
Option – Center Cylinder Head View without Gauges



Option T – Center Cylinder Head View with Pressure Transducers

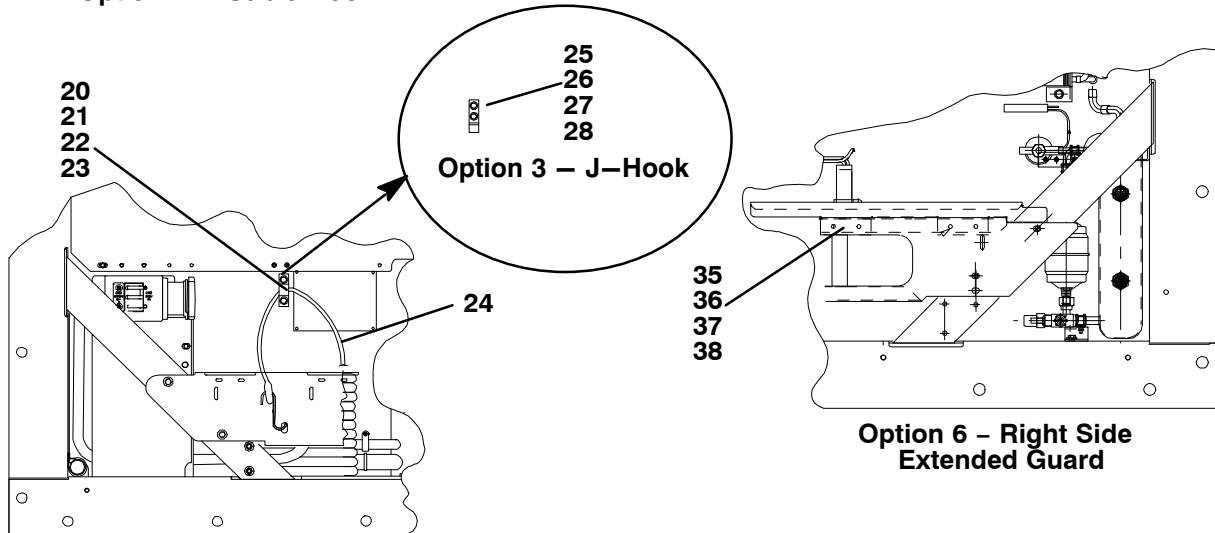
2.22 COMPRESSOR GAUGES AND TRANSDUCERS (Continued)			
Item	Part Number	Description	Qty
OPTION G – PRESSURE GAUGES			
1	69NT41-106-2	Stiffener Assembly	1
NS	66U1-5321-8	Washer, Flat, #10, SST	2
NS	66U1-5371-6	Screw, Hex Head, #10-24 X 3/4 Long, SST	2
NS	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	2
2	68-13472-03SV	Bracket Assembly, Gauge	1
3	12-01124-02	Gauge, Suction Pressure	1
4	12-01125-02	Gauge, Discharge Pressure	1
5	66U1-6651-19	Screw, Pan Head, #6-32 X 7/16 Long, SST	6
6	06DA403-844	Valve Assembly, Core, Check (Schrader Valve), Brass	2
7	12-00309-06	Switch, High Pressure (HPS)	1
NS	22-02392-00SV	Connector, Female, 2-Pin, Used with 12-00309-03 (Includes Terminals and Cable Seal)	1
8	69NT41-553	Tube Assembly, Low Pressure	1
9	69NT41-543	Tube Assembly, High Pressure	1
10	CA21JA051	Tee, 1/4 NPT	1
11	40-00060-02	Elbow, 90 Street, 1/4 FPT X 1/4 MPT, Brass	1
OPTION T – PRESSURE TRANSDUCERS			
12	12-00352-00	Transducer, Pressure	2
13	06DA403-844	Valve Assembly, Core, Check (Schrader Valve), Brass	2
14	12-00309-06	Switch, High Pressure (HPS)	1
NS	22-02392-00SV	Connector, Female, 2-Pin, Used with 12-00309-03 (Includes Terminals and Cable Seal)	1
15	40-00060-02	Elbow, 90 Street, 1/4 FPT X 1/4 MPT, Brass	1
OPTION SG – SUCTION PRESSURE GAUGE ONLY			
16	69NT41-106-2	Stiffener Assembly	1
NS	66U1-5321-8	Washer, Flat, #10, SST	2
NS	66U1-5371-6	Screw, Hex Head, #10-24 X 3/4 Long, SST	2
NS	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	2
17	68-13472-01	Bracket Assembly, Gauge	1
18	12-01124-01	Gauge, Suction Pressure	1
19	66U1-6651-19	Screw, Pan Head, #6-32 X 7/16 Long, SST	3
20	12-00309-06	Switch, High Pressure (HPS)	1
NS	22-02392-00SV	Connector, Female, 2-Pin, Used with 12-00309-03 (Includes Terminals and Cable Seal)	1
21	06DA403-844	Valve Assembly, Core, Check (Schrader Valve), Brass	2
22	69NT41-553	Tube Assembly, Low Pressure	1
23	40-00060-02	Elbow, 90 Street, 1/4 FPT X 1/4 MPT, Brass	1
OPTION – NO GAUGES			
24	40-00123-02	Plug, Pipe, 1/4-18 NPTF, Brass	1
25	12-00309-06	Switch, High Pressure (HPS)	1
NS	22-02392-00SV	Connector, Female, 2-Pin, Used with 12-00309-03 (Includes Terminals and Cable Seal)	1

2.23 CABLE RESTRAINT COMPONENTS



Option 1 – Cable Door

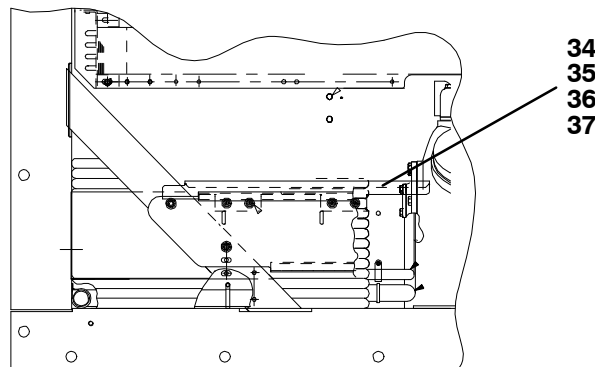
Options 4 and 6 – Right Side Bungy Cord



Options 2, 4, 5 and 6 – Left Side Bungy Cord

Option 3 – J-Hook

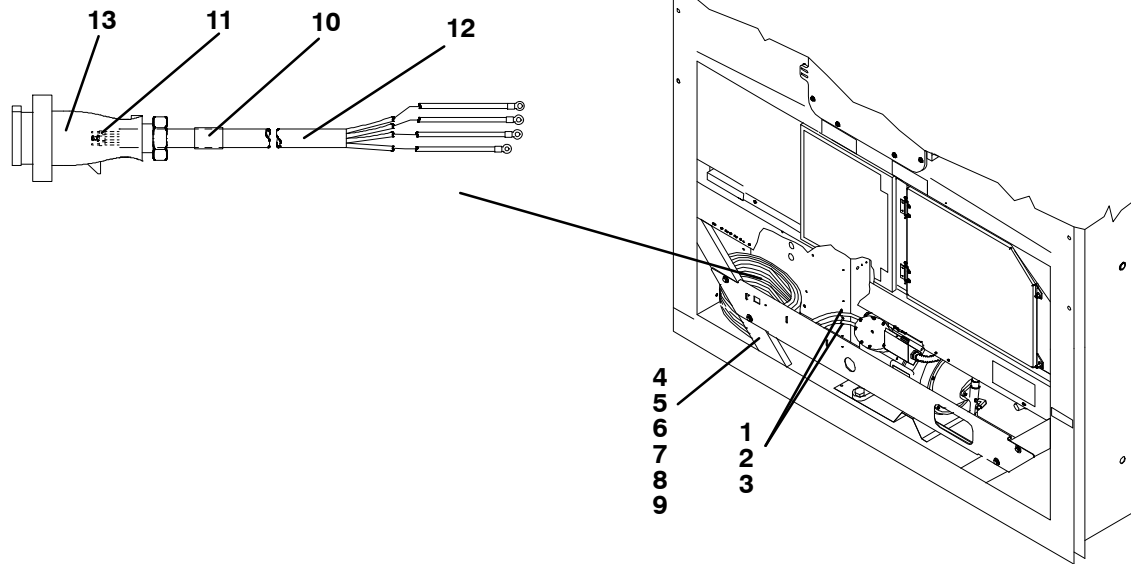
Option 6 – Right Side Extended Guard



Options 5 and 6 – Left Side Extended Guard

2.23 CABLE RESTRAINT COMPONENTS (Continued)			
Item	Part Number	Description	Qty
OPTION 1 – CABLE DOOR			
1	69NT41-724-4	Cover Assembly with Latch, Cable Storage – Includes:	1
2	34-06126-08	Screw, Hex Head, #4-40 X 1/2 Long, SST	2
3	34-00662-05	Washer, Flat, #4 –SST	4
4	34-00667-05	Locknut, Hex Head, #4-40	2
5	34-06053-08	Washer, Mylar, 1/8 ID X 3/8 OD	2
6	44-00340-03	Latch	1
7	69NT35-8032	Hinge	2
8	66U1-2403	Screw, Truss Head, #10-24 X 1/2 Long, SST	4
9	66U1-5321-8	Washer, Flat, #10	4
10	34-00667-09	Locknut, Hex Head, #10-24, SST	4
11	34-06053-05	Washer, Mylar, 3/16 ID X 5/8 OD	4
12	58-04001-02	Protector, Mylar	2
13	58-04001-01	Protector, Mylar	1
14	34-06053-05	Washer, Mylar, 3/16 ID X 5/8 OD	2
15	34-01167-01	Retainer, Nut	1
16	66U1-2403	Screw, Truss Head, #10-24 X 1/2 Long, SST	2
17	66U1-5321-8	Washer, Flat, #10, SST	2
18	66U1-5331-3	Washer, Lock, #10, SST	4
19	44-00340-05	Latch, Catch	1
OPTION 2 – LEFT BUNGY CORD ONLY			
20	69NT35-5992	Cable Restraint	1
21	66U1-5321-7	Washer, Flat, 1/4, SST	2
22	66U1-5361-25	Screw, Cap, Hex, Head, 1/4-20 X 0.75 Long, SST	2
23	34-06053-03	Washer, Mylar, 0.25 ID X 1.00 OD	2
24	66U1-2603	Strap, Tie Down	1
OPTION 3 – J-HOOK			
25	69NT35-8382	Cable Restraint, J-Hook	1
26	58-04026-22	Protector, Mylar	1
27	66U1-5321-7	Washer, Flat, 1/4, SST	2
28	66U1-5361-25	Screw, Cap, Hex, Head, 1/4-20 X 0.75 Long, SST	2
OPTION 4 – LEFT AND RIGHT BUNGY CORD			
Use Option 2 Plus the Items Below			
29	66U1-2603	Strap, Tie Down	1
30	69NT35-5992	Cable Restraint	1
31	66U1-5361-25	Screw, Cap, Hex, Head, 1/4-20 X 0.75 Long, SST	2
32	66U1-5321-7	Washer, Flat, 1/4, SST	2
33	34-06053-03	Washer, Mylar, 0.25 ID X 1.00 OD	2
OPTION 5 – LEFT BUNGY CORD WITH LEFT EXTENDED GUARD			
Use Option 2 Plus the Items Below			
34	68-13310-00	Bracket, Left	1
35	66U1-2403	Screw, Truss Head, #10-24 X 1/2 Long, SST	A/R
36	66U1-5321-8	Washer, Flat, #10, SST	A/R
37	34-06053-05	Washer, Mylar, 3/16 ID X 5/8 OD	A/R
OPTION 6 – LEFT AND RIGHT BUNGY CORD WITH EXTENDED GUARDS			
Use Option 4 and 5 Plus the Items Below			
38	68-13310-01	Bracket, Right	1

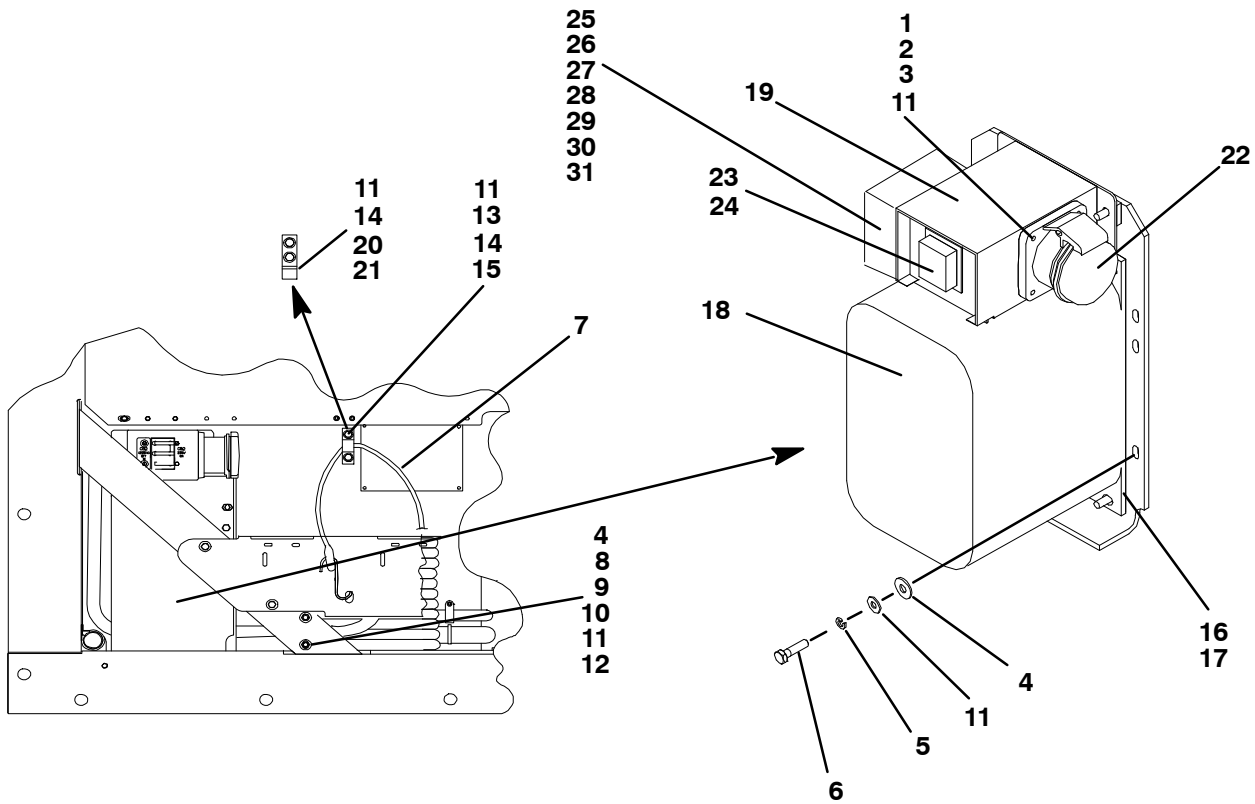
2.24 VOLTAGE CABLES



Item	Part Number	Description	Qty
CLAMPS ON BACK WALL AND CABLE CUTTERS			
1	34-00373-56	Clamp, Tube, Cushioned, 9/16 Diameter (Used with Transicord)	A/R
	34-00373-59	Clamp, Tube, Cushioned, 3/4 Diameter	A/R
2	66U1-5381-1	Screw, Hex Head, #10-24 X 3/4 Long, SST	A/R
3	34-06053-03	Washer, Mylar, 1/4 ID X 1.00 OD	A/R
4	69NT35-6412-2	Clamp, Cable Cutter, 8 AWG cable	1
	69NT35-6412	Clamp, Cable Cutter, 10 AWG cable	1
	69NT35-6412-1	Clamp, Cable Cutter, 11 AWG cable	1
5	58-04026-07	Protector, Mylar	A/R
6	66U1-5361-11	Screw, Machined Hex Head, 1/4-20 X 1-1/2 Long, SST	A/R
7	34-00667-11	Locknut, Hex Head, 1/4-20, SST	A/R
8	66U1-5321-7	Washer, Flat, 1/4, SST	A/R
9	34-06053-03	Washer, Mylar, 0.25 ID X 1.00 OD	A/R
460V CABLES			
STANDARD PARTS FOR ALL 460V CABLES			
10	66U1-2583	Heat Shrink Tube (Coil Label) - 460V	1
11	22-02324-01	Bushing (Used with Standard Cable)	4
	22-02324-05	Bushing (Used with Transicord)	4
OPTION 1 - STANDARD CABLE (10/4 Yellow SO) with Mennekes (3 Wire 4 Pole)			
12	66U1-9782	Cable, Power - Yellow, 10/4 (460 VAC)	A/R
13	22-02378-00	Plug, Power - Mennekes (460 VAC)	1
OPTION 2 - TRANSICORD CABLE (11/4 Yellow) with Mennekes (3 Wire 4 Pole)			
12	22-01551-00	Cable, Power - Yellow, 33 amp, 11 AWG (460 VAC)	A/R
13	22-02378-00	Plug, Power - Mennekes (460 VAC)	1
OPTION 3 - STANDARD CABLE (10/4 Yellow SO) with Mipco			
12	66U1-9782	Cable, Power - Yellow, 10/4 (460 VAC)	A/R
13	22-01731-00	Plug, Power - Mipco (460 VAC)	1
OPTION 4 - TRANSICORD CABLE (11/4 Yellow) with Mipco			
12	22-01551-00	Cable, Power - Yellow, 33 amp, 11 AWG (460 VAC)	A/R
13	22-01891-00	Plug, Power - Mipco (460 VAC)	1

2.24 VOLTAGE CABLES (Continued)			
Item	Part Number	Description	Qty
OPTION 5 – TRANSICORD CABLE (11/4 Yellow) with KITAZAWA			
12	22-01551-00	Cable, Power – Yellow, 33 amp, 11 AWG (460 VAC)	A/R
13	22-01883-00	Plug, Power – Kitazawa (460 VAC)	1
OPTION 6 – TRANSICORD CABLE (11/4 Yellow) with DONG JOO			
12	22-01551-00	Cable, Power – Yellow, 33 amp, 11 AWG (460 VAC)	A/R
13	22-01891-00	Plug, Power – Dong Joo (460 VAC)	1
OPTION 7 – STANDARD CABLE (10/4 Yellow SO) with DONG JOO			
12	66U1-9782	Cable, Power – Yellow, 10/4 (460 VAC)	A/R
13	22-01891-01	Plug, Power – Dong Joo (460 VAC)	1
OPTION 8 – STANDARD CABLE (10/4 Yellow SO) with KOKASHA			
12	66U1-9782	Cable, Power – Yellow, 10/4 (460 VAC)	A/R
13	22-01932-00	Plug, Power – Kokosha (460 VAC)	1
OPTION 9 – STANDARD CABLE (10/4 Yellow SO) with MIPCO			
12	66U1-9782	Cable, Power – Yellow, 10/4 (460 VAC)	A/R
13	22-02232-00	Plug, Power – Mipco (460 VAC)	1
230V CABLES			
STANDARD PARTS FOR ALL 230V CABLES			
10	66U1-2583-1	Heat Shrink Tube (Coil Label) – 230V	1
11	22-02324-02	Bushing (Used with 8 AWG)	4
12	66U1-9782-1	Cable, Power – Black, 35 amps, 8 AWG (230 VAC)	A/R
OPTION 1 – KOKOSHA			
13	22-02188-00	Plug, Power, Kokosha – (230 VAC)	1
OPTION 2 – KITAZAWA			
13	22-02375-00	Plug, Power, Kitazawa – (230 VAC)	1
OPTION 3 – MIPCO			
13	66U1-6782-3	Plug, Power, Mipco – (230 VAC)	1
OPTION 4 – ERO			
13	22-01744-00	Plug, Power, ERO – (230 VAC)	1
OPTION 5 – MIPCO			
13	22-02322-00	Plug, Power, Mipco – (230 VAC)	1
OPTION 6 – KITAZAWA			
13	22-01884-00	Plug, Power, Kitazawa – (230 VAC)	1
OPTION 7 – MIPCO			
13	66U1-6782	Plug, Power, Mipco – (230 VAC)	1
OPTION 8 – KOKOSHA			
13	22-01931-00	Plug, Power, Kokosha – (230 VAC)	1
OPTION 9 – DONG JOO			
13	22-01906-00	Plug, Power, Dong Joo – (230 VAC)	1

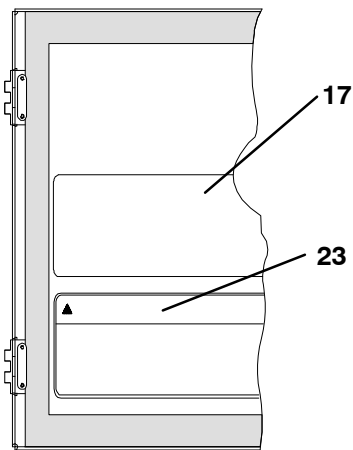
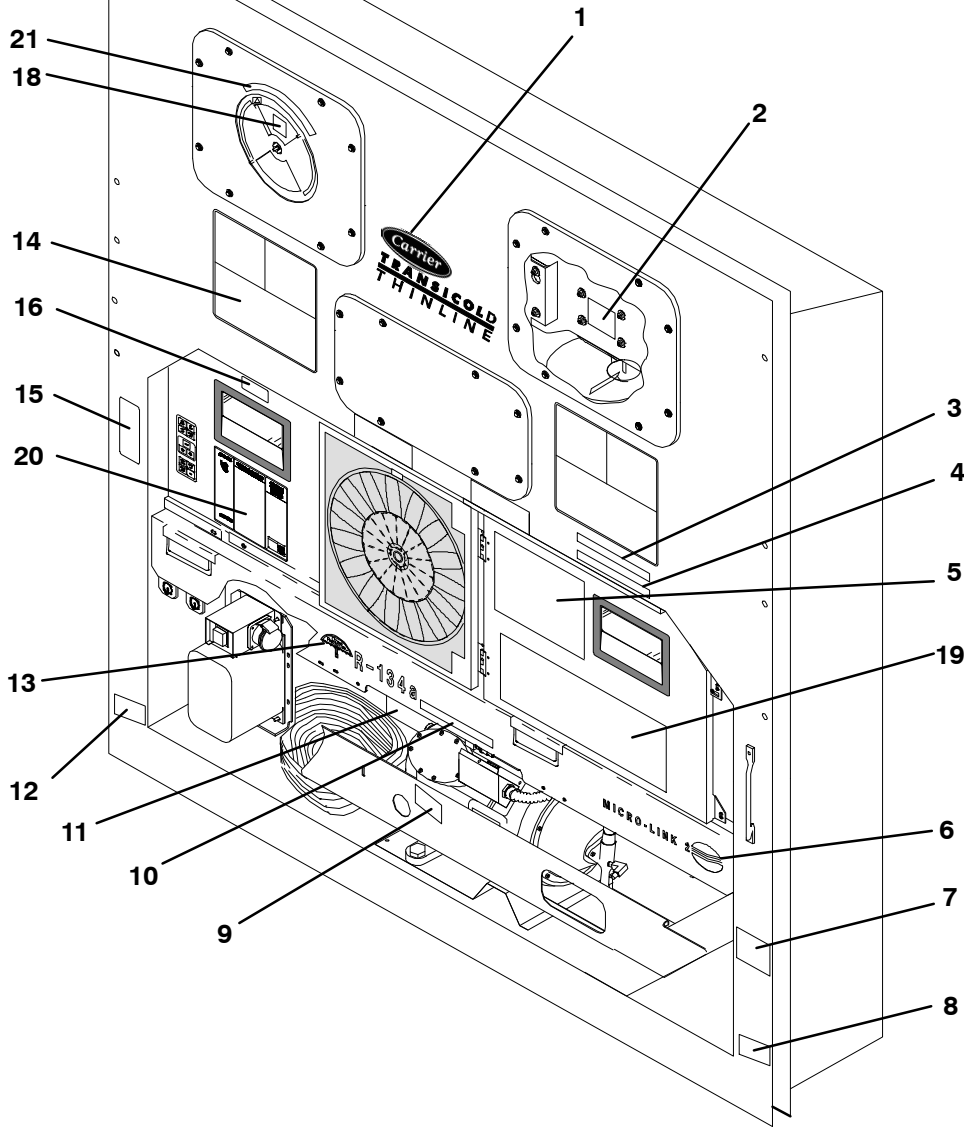
2.25 AUTOTRANSFORMER KIT



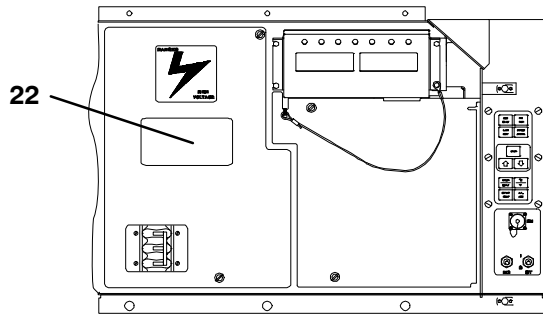
Item	Part Number	Description	Qty
STANDARD PARTS INCLUDED IN EVERY 76-00670 SERVICE KIT			
1	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	4
2	66U1-5321-8	Washer, Flat, #10, SST	4
3	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	4
4	34-06053-00	Washer, Mylar, 0.25 ID X 0.80 OD	5
5	AU11JR171	Washer, Lock, 1/4, SST	5
6	AA06JA170	Screw, Hex Head, 1/4-20 X 1.00 Long	5
7	66U1-2603	Strap, Tie Down	1
8	69NT35-6412-2	Clamp, Cable Cutter, 8 AWG cable	1
	69NT35-6412	Clamp, Cable Cutter, 10 AWG cable	1
	69NT35-6412-1	Clamp, Cable Cutter, 11 AWG cable	1
9	58-04026-07	Protector, Mylar	1
10	66U1-5361-11	Screw, Machined Hex Head, 1/4-20 X 1-1/2 Long, SST	2
11	66U1-5321-7	Washer, Flat, 1/4, SST	A/R
12	34-00667-11	Locknut, Hex Head, 1/4-20, SST	2
13	69NT35-5992	Clamp, Tie Down Strap	1
14	66U1-5361-25	Bolt, Hex Head, 1/4-20 X 3/4 Long, SST	A/R
15	34-06053-03	Washer, Mylar, 0.25 ID X 1.00 OD	2
16	69NT43-374	Bracket Assembly	1
17	58-04026-17	Protector, Mylar	1

2.25 AUTOTRANSFORMER KIT (Continued)			
Item	Part Number	Description	Qty
OPTION 1 – AUTOTRANSFORMER			
See Previous Page for Standard Parts Included in the Kit and Use with Items Below			
-	76-00670-02	Transformer Kit, Field Installation, without CB2 – Includes:	1
18	10-01139-04	Transformer, Dual Voltage Modular	1
NS	22-01778-00	Terminal Block, Used only without CB2	1
19	69NT43-470-1	Box Assembly	1
20	69NT35-8382	Clamp, Tie Down Strap	1
21	58-04026-22	Protector, Mylar	1
OPTION 2 – AUTOTRANSFORMER WITH CB2 AND MENNEKES RECEPTACLE			
See Previous Page for Standard Parts Included in the Kit and use with Items Below			
-	76-00670-01	Transformer Kit, Field Installation, with CB2 – Includes:	1
18	10-01139-04	Transformer, Dual Voltage Modular	1
19	69NT43-470	Box Assembly – Used only with CB2	1
22	22-01679-00	Receptacle, Mennekes, 32 Amp	1
	22-01679-01	Receptacle, Mennekes with Screw Cap, 32 Amp, Alternate, SOLD SEPARATELY	1
20	69NT35-8382	Clamp, Tie Down Strap	1
21	58-04026-22	Protector, Mylar	1
-	76-00667-05	Circuit Breaker Kit, Field Installation – Includes:	1
23	10-00083-05	Circuit Breaker, 70 amp, 250 VAC, 50/60 hz	1
24	66U2-1531	Boot – Includes:	1
NS	NSS	Frame	1
NS	NSS	Screw, Self-Sealing, #6-32 X 3/8 Long, SST	6
OPTION 3 – AUTOTRANSFORMER WITH CB2 AND BRIDGING UNIT			
See Previous Page for Standard Parts Included in the Kit and Use with Items Below			
-	76-00670-03	Transformer Kit, Field Installation, with CB2 and TBU – Includes:	1
18	10-01139-04	Transformer, Dual Voltage Modular	1
19	69NT43-470-2	Box Assembly	1
20	69NT35-8382	Clamp, Tie Down Strap	1
21	58-04026-22	Protector, Mylar	1
-	76-00667-05	Circuit Breaker Kit, Field Installation – Includes:	1
23	10-00083-05	Circuit Breaker, 70 amp, 250 VAC, 50/60 hz	1
24	66U2-1531	Boot – Includes:	1
NS	NSS	Frame	1
NS	NSS	Screw, Self-Sealing, #6-32 X 3/8 Long, SST	6
25	12-00474-00	Bridge Unit, Transformer	1
26	42-00470-00	Gasket, Transformer Bridge Unit	1
27	34-06221-00	Screw, Hex Head, #10-24 X 2.50 Long, SST	2
28	34-00667-09	Locknut, Hex Head, #10-24, SST	2
29	66U1-5321-8	Washer, Flat #10, SST	2
30	34-06053-05	Washer, Mylar 0.205 ID X 0.600 OD	2
31	22-02324-01	Bushing, 0.142 ID X 0.472 OD	3
OPTION 4 – AUTOTRANSFORMER WITH CB2 AND MIPCO RECEPTACLE			
See Previous Page for Standard Parts Included in the Kit and use with Items Below			
-	76-00670-04	Transformer Kit, Field Installation, with CB2 – Includes: Everything in kit 76-00670-01, except replace item #22 with below	1
22	22-01734-01	Receptacle, Mipco, 32 Amp	1

2.26 LABELS AND DECALS



CA Door Assembly – Partial Back View

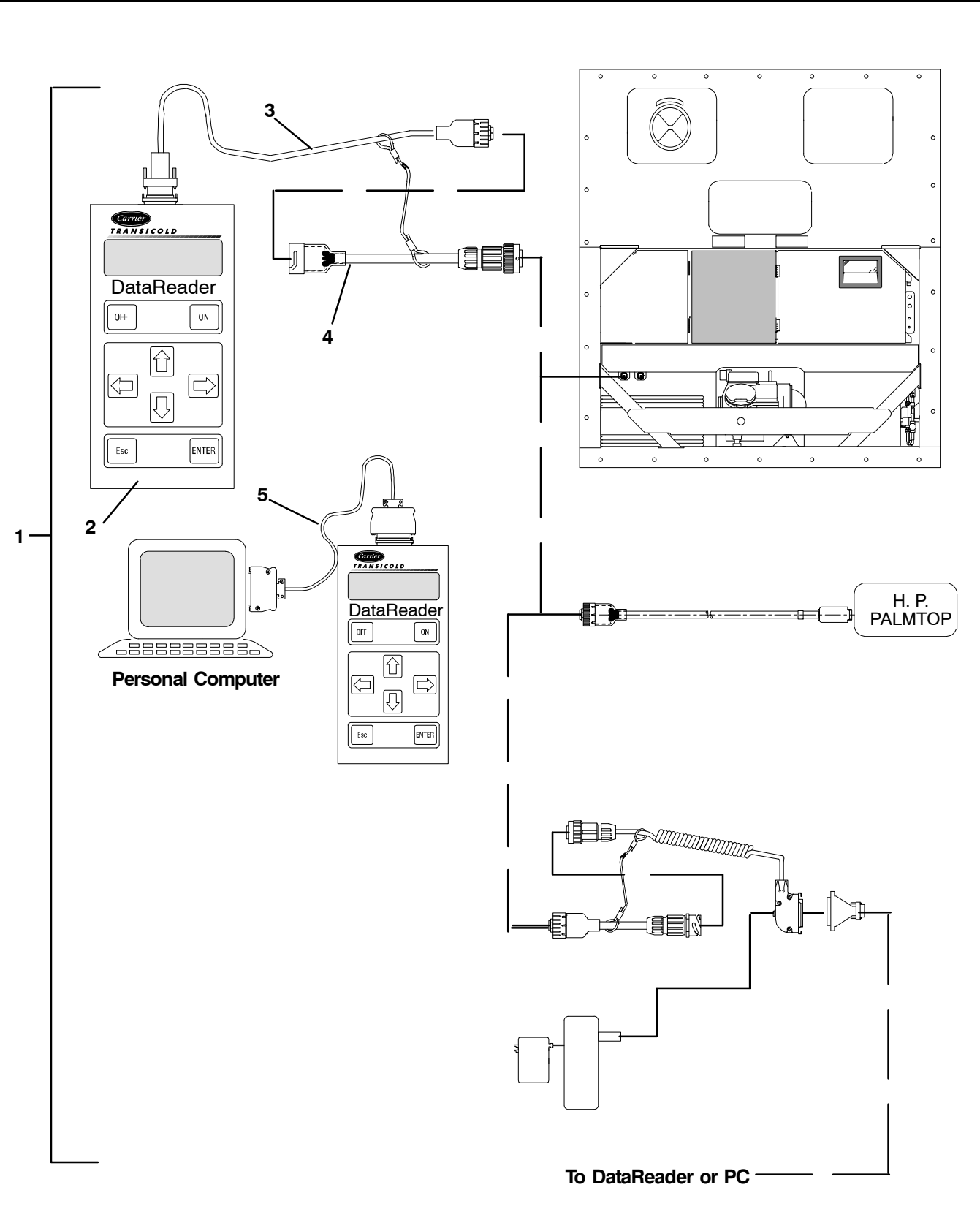


View – Inside Control Box

2.26 LABELS AND DECALS (Continued)			
Item	Part Number	Description	Qty
STANDARD LABELS (All labels not applicable to all units)			
1	62-10769-00	Decal, Carrier Transicold Thinline	1
2	69NT35-8172	Label, Danger, Asphyxiation (Location for all three labels is behind the three access panels)	3
3	69NT35-3867	Label, Economy Mode	1
4	69NT35-3907	Label, Humidity Control Sensor	1
5	62-02721-00	Label, Function Code, <i>English</i>	1
	62-02721-03	Label, Function Code, with Single Evaporator Fan Capability – <i>English</i>	1
6	62-02562-00	Label, Micro-Link 2i with USDA	1
	62-02562-01	Label, Micro-Link 2i	1
7	62-02444-01	Label, Charge with R-134a	1
8	62-10370-00	Label, Gas Calibration	1
9	62-02458-00	Label, POE Compressor Oil	1
10	69NT35-8218	Label, Equipped with Crankcase Heater (CCH)	1
11	62-02785-00	Label, CE	1
12	62-10117-00	Label, Carbon Dioxide (Location of the second label is on the evaporator fan deck in front of the Nitrogen Membrane Separator)	1
13	62-10259-00	Label, R-134a – Ozone Protection – <i>English</i>	1
	62-02530-01	Label, R-134a – Ozone Protection, Umbrella Only – <i>English</i>	1
14	69NT35-1618	Label, Danger Low Oxygen	2
15	62-10517-00	Label, Function Code	1
16	62-02837-00	Label, EverFresh	1
17	62-10104-00	Label, Box Preparation	1
18	62-02783-00	Label, Fresh Air Instruction	1
NS	69NT35-6118	Label, USDA (Location – Back of Unit, top left side)	1
NS	-	Label, Choke/Vent – Refer to Section 5.14	1
OPTION 1 – ENGLISH			
19	62-02743-10	Label, Operating Instructions, <i>English/Spanish</i>	1
20	69NT35-3538	Label, Operating Instructions, <i>English</i>	1
21	62-02723-00	Label, Fresh Air Makeup, <i>English</i>	1
21	62-02723-03	Label, Fresh Air Makeup (with Full CMH) – <i>English</i>	1
21	62-02723-10	Label, Fresh Air Makeup (with Full CMH + CFM) – <i>English</i>	1
22	62-10532-00	Label, Welding Precautions, <i>English</i>	1
23	62-10597-00	Label, Welding Precautions, <i>English</i>	1
OPTION 2 – ENGLISH/SPANISH			
19	62-02743-10	Label, Operating Instructions, <i>English/Spanish</i>	1
20	62-10107-00	Label, Operating Instructions, <i>English/Spanish</i>	1
21	62-02723-02	Label, Fresh Air Makeup, <i>English/Spanish</i>	1
21	62-02723-04	Label, Fresh Air Makeup (with Full CMH) – <i>English/Spanish</i>	1
22	62-10532-02	Label, Welding Precautions, <i>English/Spanish</i>	1
23	62-10597-01	Label, Welding Precautions, <i>English/Spanish</i>	1

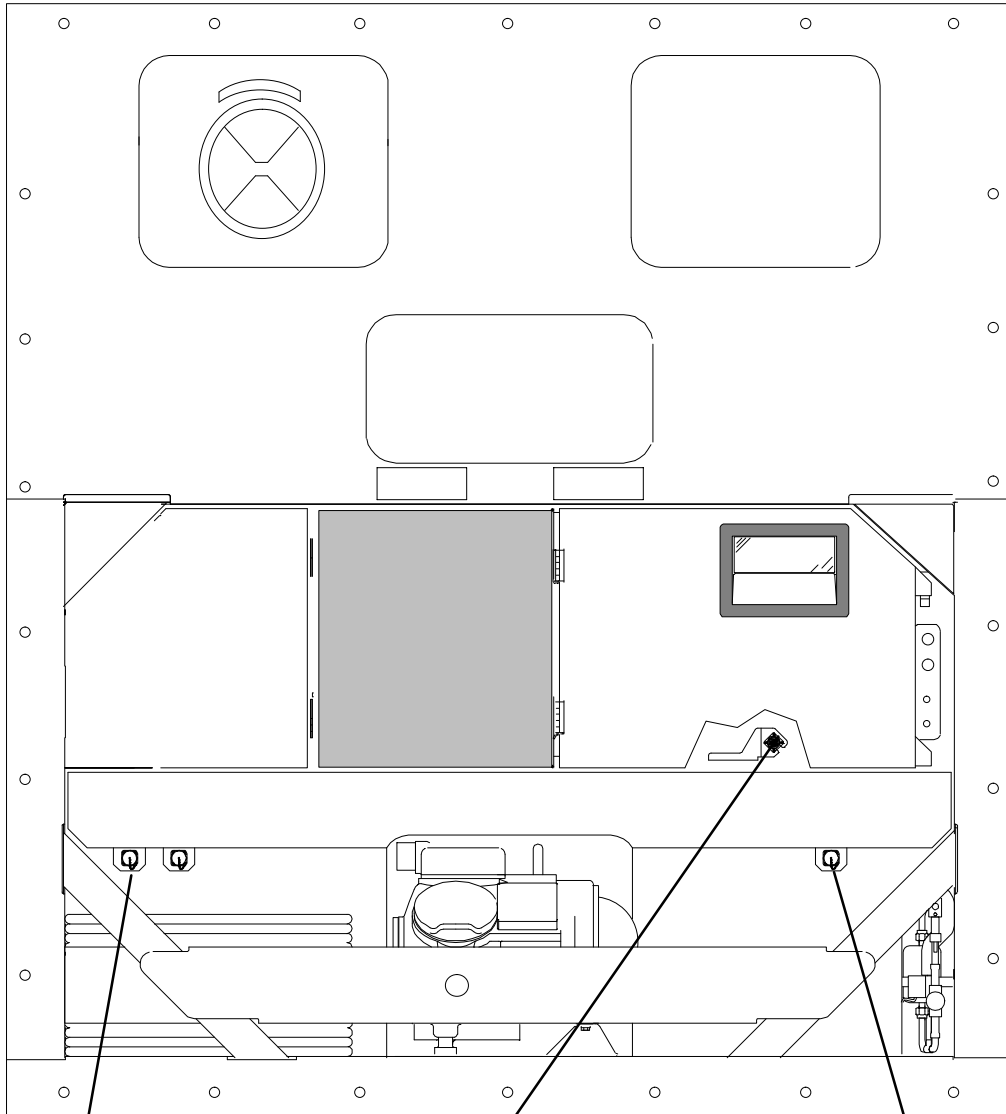
3 INTERROGATOR AND ACCESSORIES

3.1 DATAREADER



3.1 DATAREADER (Continued)			
Item	Part Number	Description	Qty
1	07-00321-07/2.4	Kit, DataReader – Includes:	1
2	12-00377-01	DataReader NSS	1
3	22-01737-00	Cable, Download	1
4	22-01737-01	Cable, Adapter	1
5	22-01743-00	Cable, Upload	1

3.2 INTERROGATOR RECEPTACLE



Option 1 Option 4 and Option 5

- | | | |
|----------|-----------|-----------|
| 1 | 9 | 13 |
| 2 | 10 | 14 |
| 3 | 11 | 15 |
| 4 | 12 | 16 |

Option 3

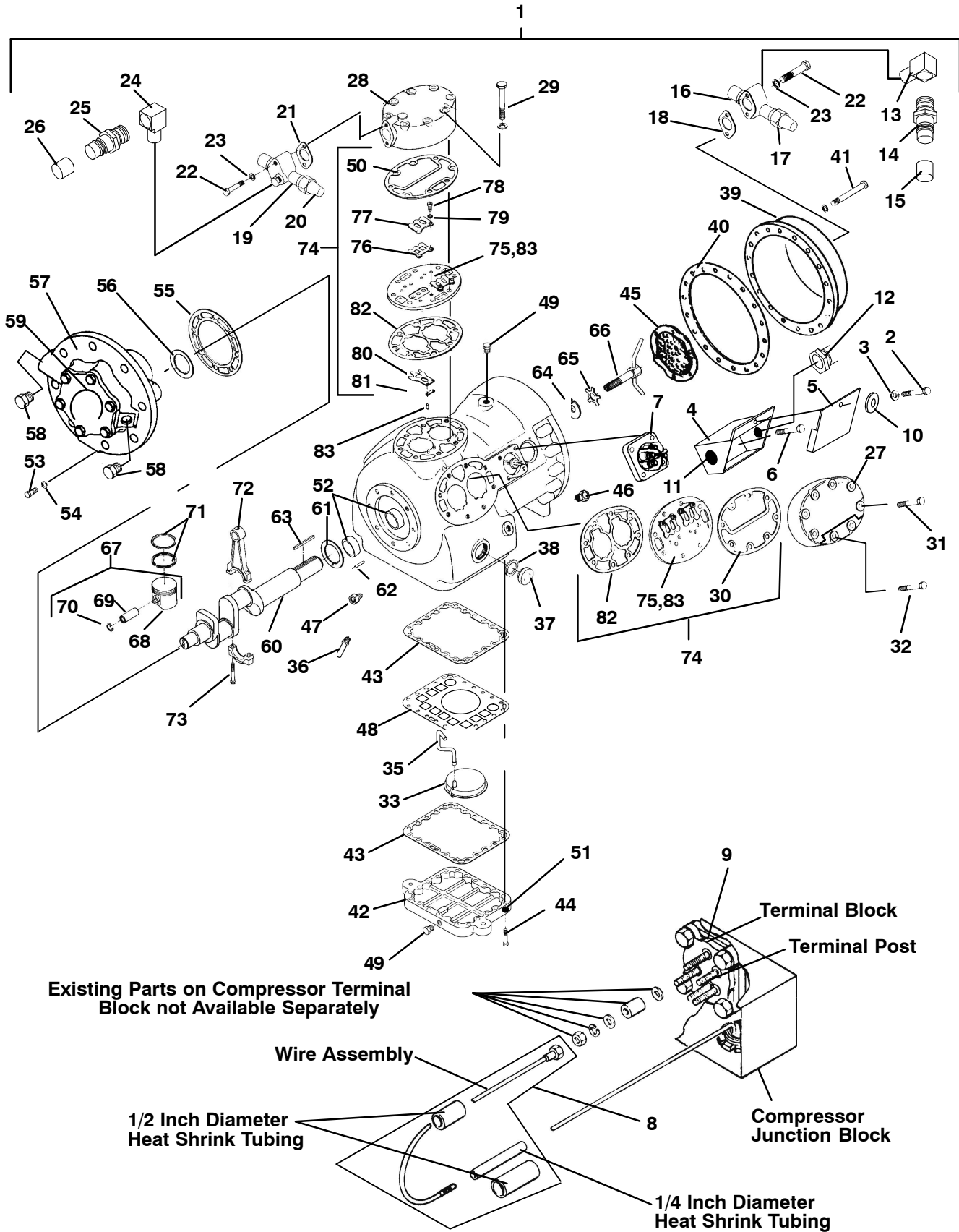
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Option 2 and Option 6

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3.2 INTERROGATOR RECEPTACLE (Continued)			
Item	Part Number	Description	Qty
OPTION 1 – LEFT STRAIGHT MOUNT and OPTION 2 – DEUTSCH, RIGHT STRAIGHT MOUNT			
1	22-01660-03	Receptacle, Interrogator (ICR) (5-Pin) – Deutsch	1
2	22-01613-14	Contact, Pin, #16	5
3	69NT43-176	Cap, Dust, with Tether (5-Pin)	1
4	69NT41-192	Bracket, Interrogator Connector	1
OPTION 3 – BOX MOUNT			
5	22-01660-03	Receptacle, Interrogator (ICR) (5-Pin) – Deutsch	1
6	22-01613-14	Contact, Pin, #16	5
7	68-12434-02	Bracket, Interrogator Connector	1
8	42-00174-38	Gasket, Interrogator Connector Bracket	1
OPTION 4 – LEFT STRAIGHT MOUNT and OPTION 6 – VEAM, RIGHT STRAIGHT MOUNT			
9	22-02412-00	Receptacle, Interrogator (ICR) (5-Pin), Veam	1
10	22-02412-02	Contact, Pin, #16	5
11	22-02413-00	Cap, Dust, with Tether (5-Pin)	1
12	69NT40-222	Bracket, Interrogator Connector	1
OPTION 5 – LEFT ANGLED MOUNT			
13	22-01660-03	Receptacle, Interrogator (ICR) (5-Pin), Deutsch	1
14	22-01613-14	Contact, Pin, #16	5
15	69NT43-176	Cap, Dust, with Tether (5-Pin)	1
16	68-12553-00	Bracket, Interrogator Connector	1
NOTE			
Do not mix silver and gold pins and sockets.			

4 COMPRESSOR ASSEMBLY



4 COMPRESSOR ASSEMBLY (Continued)			
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 Long (Cover to Box), SST	2
3	66U1-5321-8	Washer, Flat, #10 (Cover to Box), SST	2
4	69NT20-513-1SV	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 Long (Box to Compressor)	4
7	17-40093-06	Terminal, Compressor (Five Terminals)	1
7	17-40093-05	Terminal, Compressor (Six 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 Long, 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 Long, 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 Long, SAE Grade 5	12
32	17-40037-05	Screw, Hex Head, 3/8-16 X 1.00 Long, 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 Long, 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 Long, 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 and 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 2.21	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 Long – SAE Grade 5	8
54	17-40019-00	Gasket, Cap Screw, 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 and 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	17-40413-00	Crankshaft	1
61	17-40050-00	Washer, Thrust	1
62	17-40048-00	Pin, Spiral, 5/32 Diameter X 5/8 Long	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 and Pin Pkg (Standard) – Includes:	6
67	17-44115-20	Piston and 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
	17-55023-00	Connecting Rod and Cap Assembly (+0.010) – Includes:	6

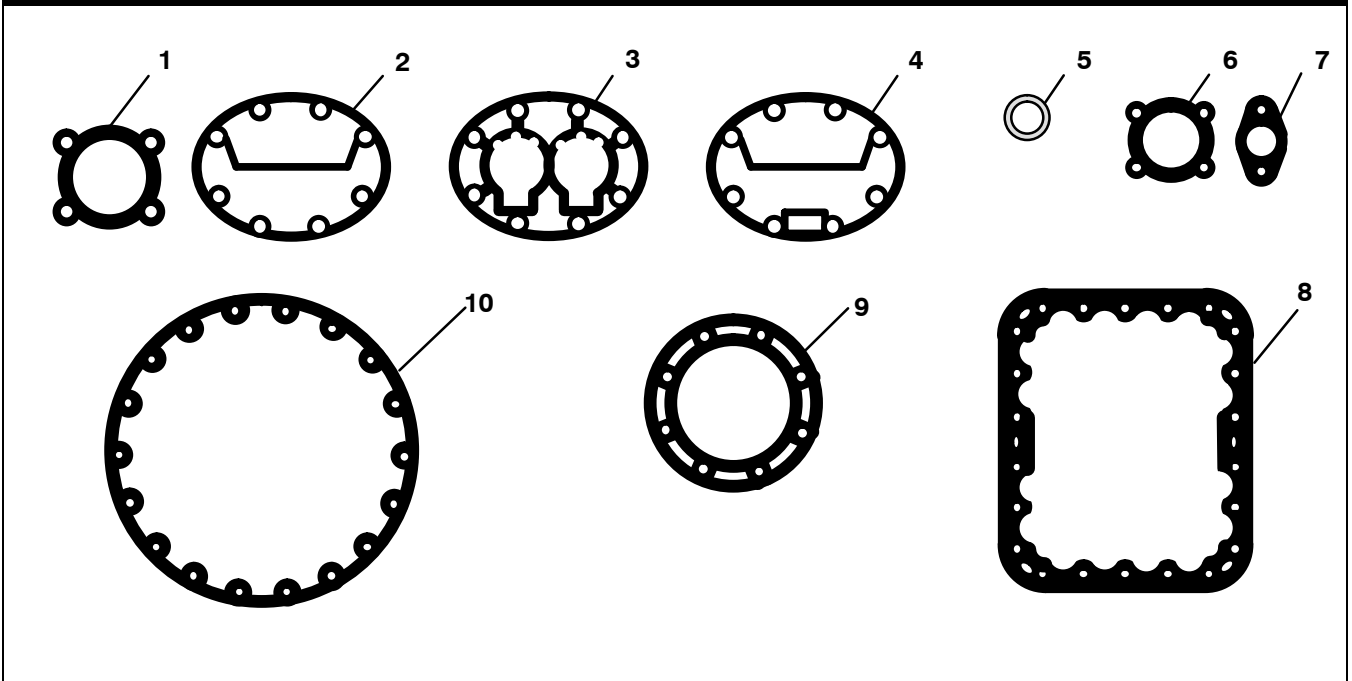
4.6 CRANKSHAFT, ROD AND PISTON GROUP (Continued)

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 Long	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

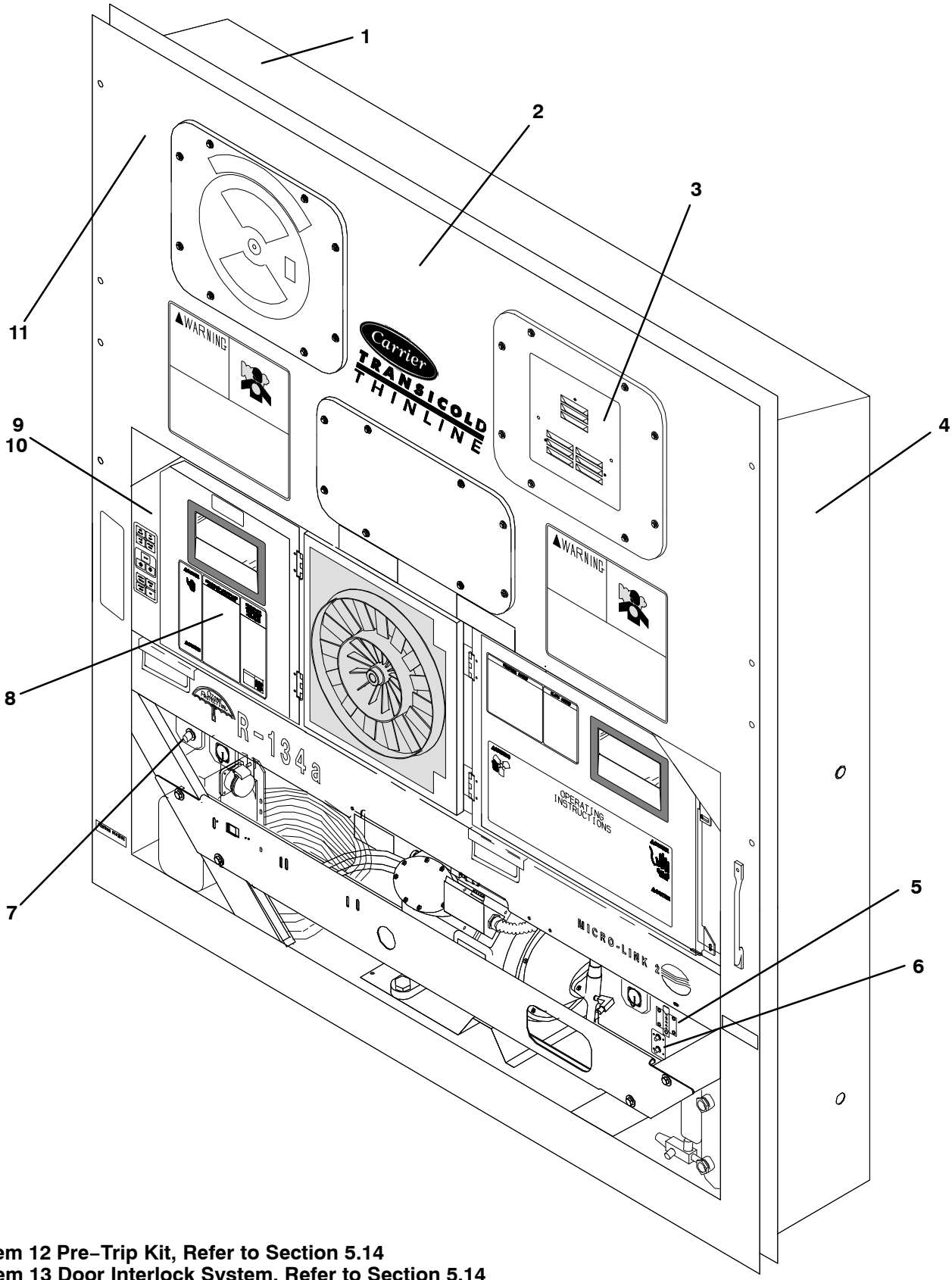
4.8 GASKET SET



Item	Part Number	Description	Qty
-	17-55020-21	Gasket Set – Includes:	1
1	17-40005-05	Gasket, Suction Service Valve (Four-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 (Two-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 CONTROLLED ATMOSPHERE EQUIPMENT ASSEMBLY

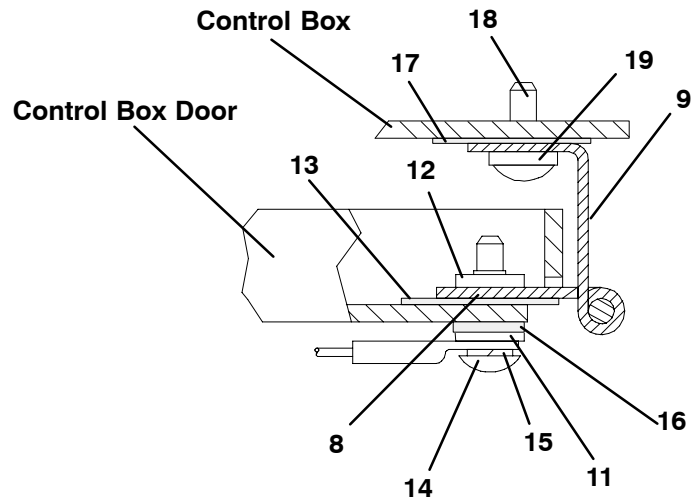
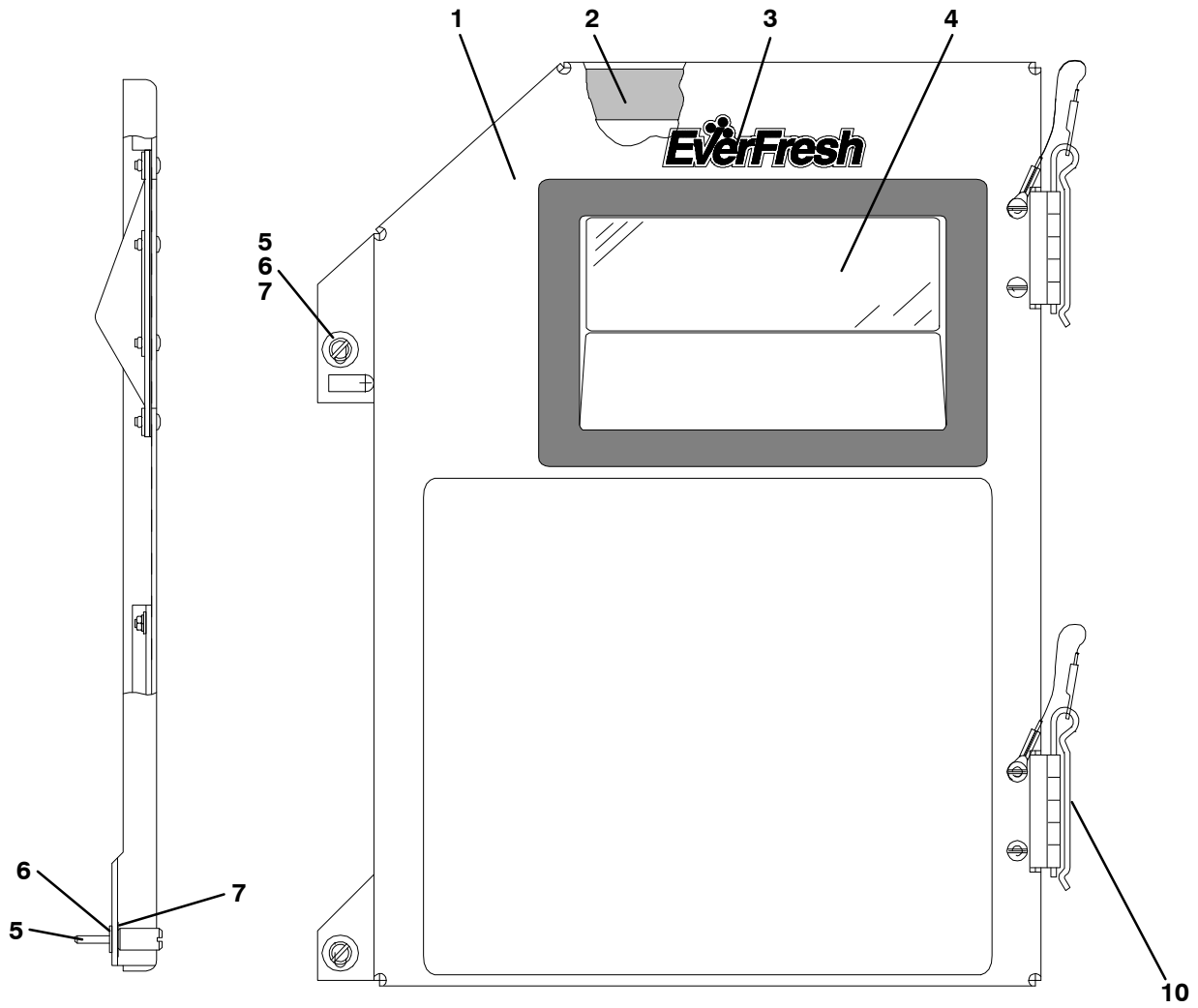
5.1 CONTROLLED ATMOSPHERE EQUIPMENT - AREA LOCATOR



Item 12 Pre-Trip Kit, Refer to Section 5.14
Item 13 Door Interlock System, Refer to Section 5.14

5.1 CONTROLLED ATMOSPHERE EQUIPMENT – AREA LOCATOR (Continued)		
Item	Section Number	Description
1	Refer to Section 5.7	Separator, Membrane Nitrogen (N ₂) (Location – Evaporator Section)
2	Refer to Sections 5.11 or 5.13	Compressor, Air (Location – Evaporator Section)
3	Refer to Section 5.10	Filter, Air Intake
4	Refer to Section 5.7	Valves, Calibration, Sample Air and N ₂ Purity Solenoid (Location – Evaporator Section)
5	Refer to Section 5.5	Port, Gas Calibration
6	Refer to Section 5.5	Ports, Pressurization/Gauge
7	Refer to Section 5.5	Port, Carbon Dioxide
8	Refer to Section 5.2 – 5.4	Box, Controlled Atmosphere
9	Refer to Section 5.8	Valves and Drain Solenoid (Location – Behind Control Box)
10	Refer to Section 5.9	Filter Assembly, Membrane Air (Location – Behind Control Box)
11	Refer to Section 5.7	Valves, CO ₂ and O ₂ Solenoid (Location – Evaporator Section)
12	Refer to Section 5.14	Kit, Pre-Trip
13	Refer to Section 5.14	System, Door Interlock

5.2 CONTROLLED ATMOSPHERE CONTROL BOX DOOR

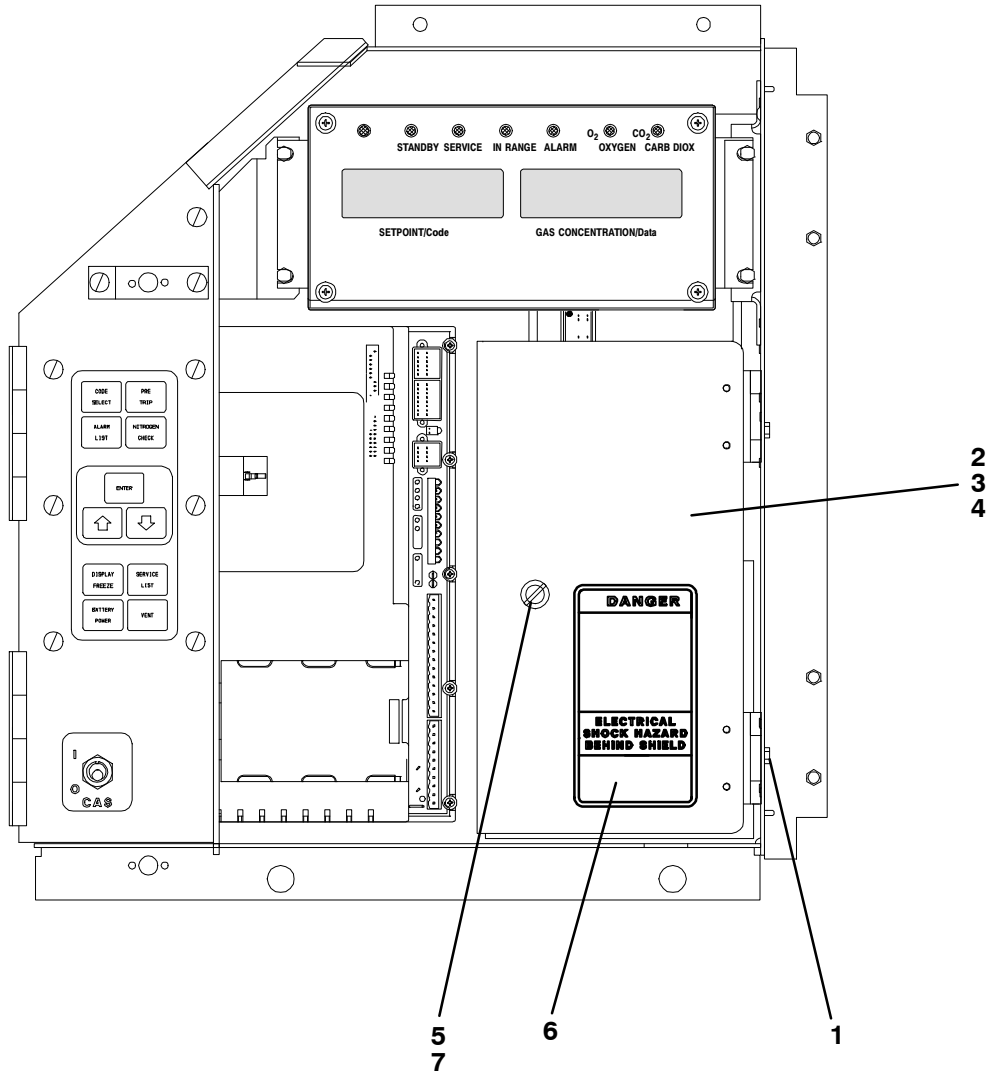


Hinge Assembly - Sectional View

5.2 CONTROLLED ATMOSPHERE CONTROL BOX DOOR (Continued)

Item	Part Number	Description	Qty
1	69NT43-242-5	Door Assembly – Includes:	1
2	42-00289-00	Gasket, Door	1
3	62-02837-00	Label, EverFresh	1
4	58-04366-00SV	Window and Gasket Assembly, Control Box Door, Lexan	1
5	66U1-6811-8	Screw, Retaining, Panel, 0.300-0.625, SST	2
	66U1-6811-15	Screw, Retaining, Wing, 0.300-0.625, SST	2
6	34-06169-00	Washer, Retaining, SST	2
7	34-06053-00	Washer, Mylar, 0.25 ID X 0.80 OD	4
8	44-00300-01	Hinge, Half	1
9	44-00300-02	Hinge, Half	1
10	44-00300-03	Pin Assembly, with Tether	1
11	66U1-5321-8	Washer, Flat, #10, SST	7
12	34-01167-01	Retainer, Nut	2
13	58-04101-00	Protector, Mylar (Hinge)	2
14	66U1-2403-1	Screw, Truss Head, #10-24 X 3/4 Long, SST	4
15	66U1-5331-3	Washer, Lock, #10, SST	7
16	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	4
17	58-04101-01	Protector, Mylar (Hinge)	2
18	66U1-5371-7	Screw, #10-24 X 1/2 Long, SST	4
19	66U1-5321-8	Washer, Flat, #10, SST	4

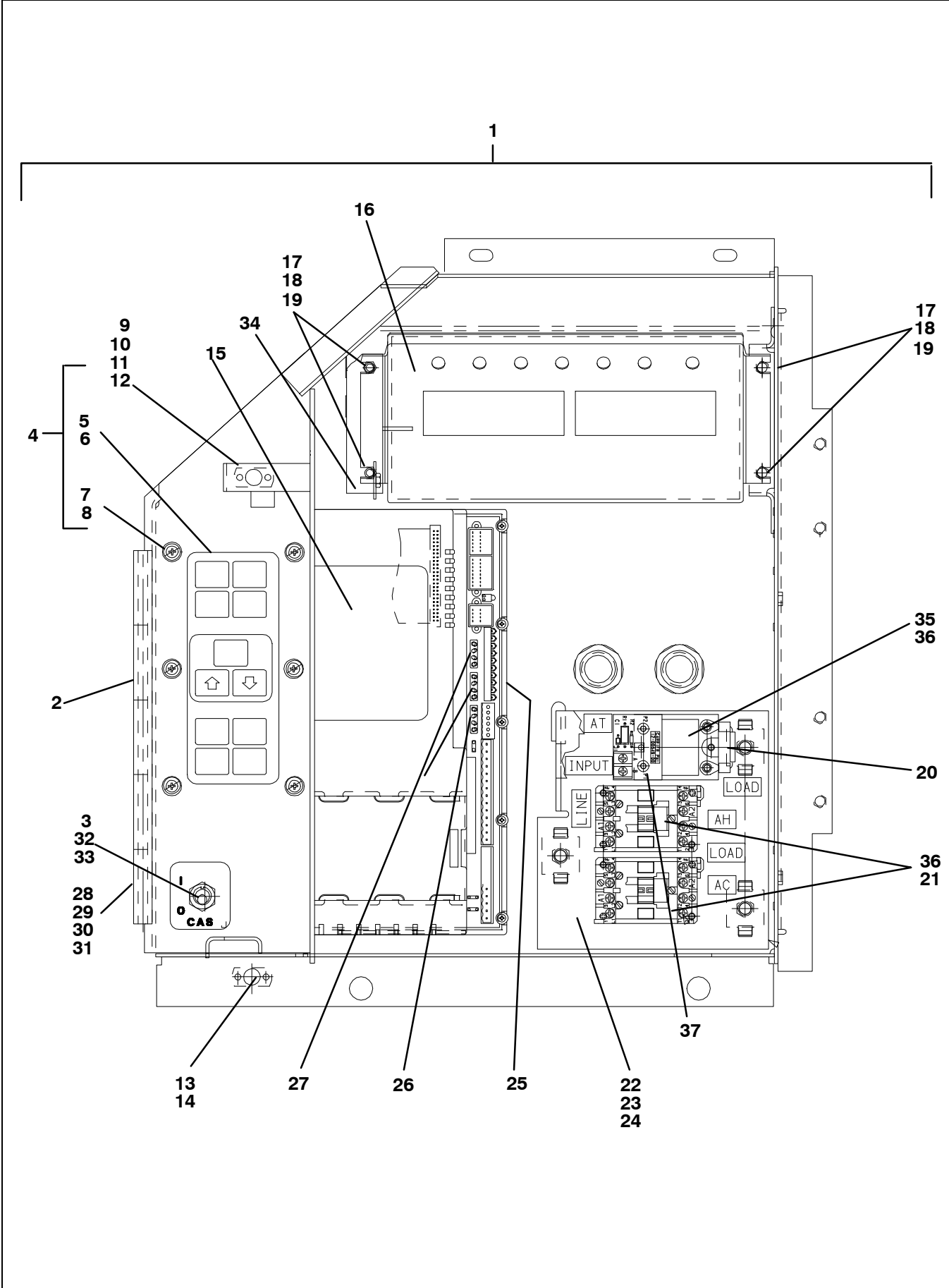
5.3 CONTROLLED ATMOSPHERE CONTROL BOX



5.3 CONTROLLED ATMOSPHERE CONTROL BOX (Continued)

Item	Part Number	Description	Qty
1	66U1-2403	Screw, Truss Head, #10-24 X 1/2 Long, SST	2
2	69NT43-241-1	Panel Assembly, High Voltage Shield - Includes:	1
3	44-00343-00	Hinge	2
4	34-00928-02	Rivet, Blind, 1/8 Diameter, Grip Range, 1/8-3/16, SST	4
5	34-50015-00	Stud and Retainer Package	1
6	62-10106-00	Label, Shock Hazard, English/Spanish	1
7	34-06139-02	Receptacle	1

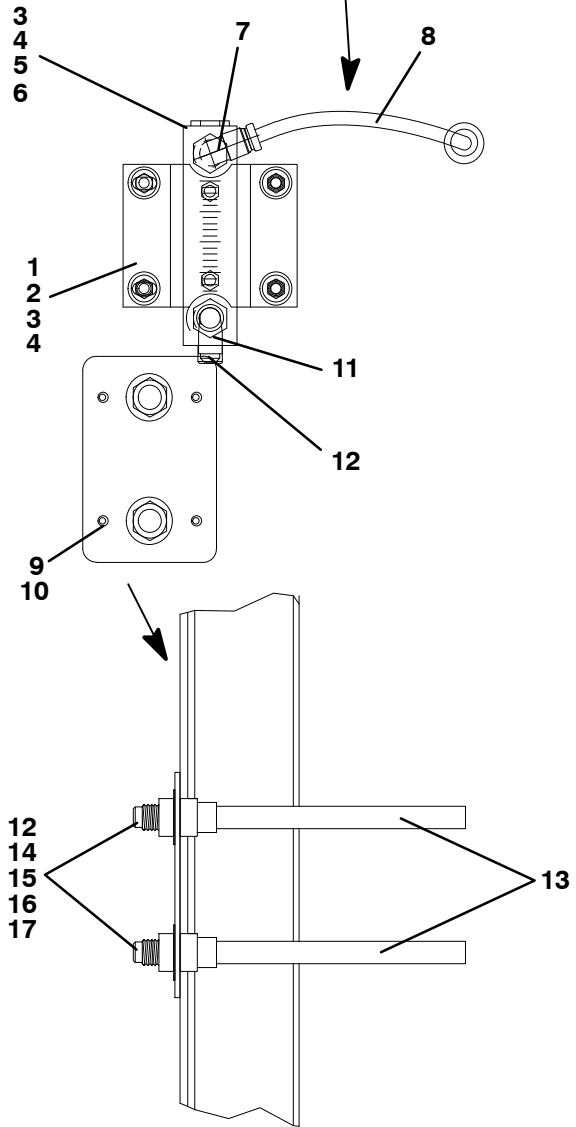
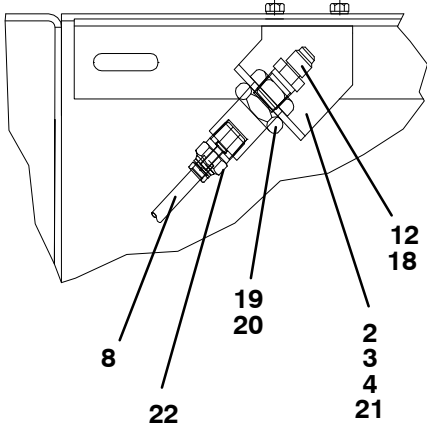
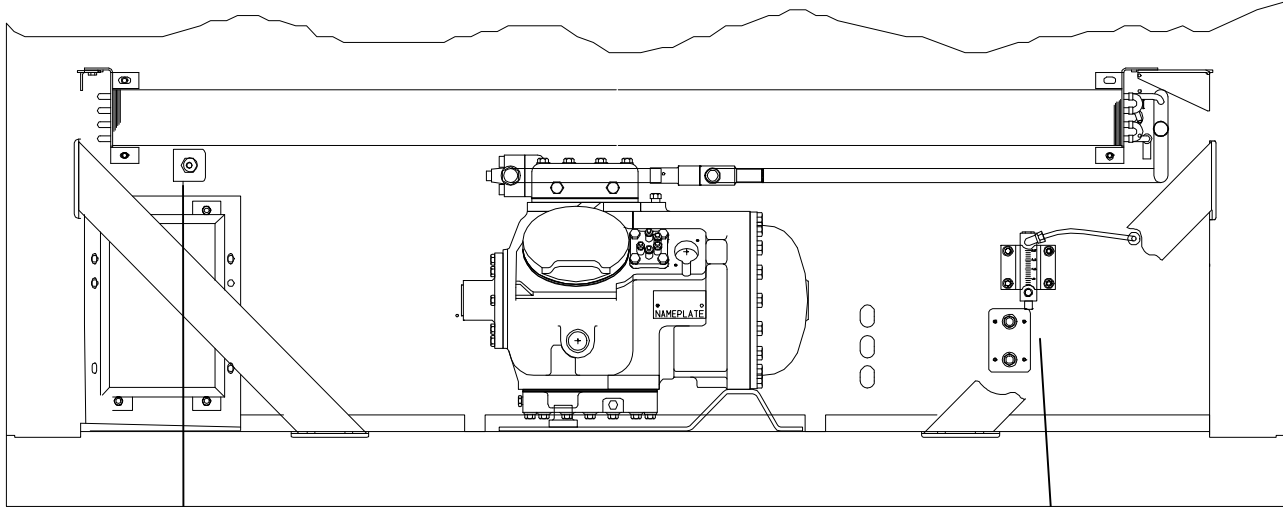
5.4 CONTROLLED ATMOSPHERE CONTROL BOX – SHIELD REMOVED



5.4 CONTROLLED ATMOSPHERE CONTROL BOX – SHIELD REMOVED (Continued)

Item	Part Number	Description	Qty
1	91-66610-00	CA Control Box Assembly – Includes:	1
2	68-04324-01	CA Control Box	1
3	58-04192-00	Plate, Switch	1
4	79-01706-01SV	Keypad Assembly – Includes:	1
5	12-00290-03	Keypad	1
6	58-04456-00	Back-Up Plate Assembly, Keypad Mounting	1
7	34-06227-00	Screw, #10-14 X 3/4 Long, SST	6
8	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	6
9	68-12791-01	Bracket, Locking Latch	1
10	34-01159-02	Receptacle	1
11	34-00928-03	Rivet	2
12	58-04026-32	Mylar Protector	1
13	34-01142-01	Receptacle	1
14	34-00928-01	Rivet, Blind, 1/8 Diameter, Grip Range – 1/16-1/8, SST	2
15	-	Module, Controlled Atmosphere – See Section 6	1
NS	-	Card, Operations Software – See Section 6	1
16	12-00433-01RP	Module, Controlled Atmosphere Display	1
17	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	4
18	66U1-5321-8	Washer, Flat #10	4
19	69NT35-2692-4	Washer, Fender, 0.063 Thick, SST	2
20	69NT43-243-1	Suppressor Assembly, Voltage Surge (MOV)	1
21	10-00333-00	Contactora, Air Compressor (AC) and Air Heater (AH)	2
22	69NT35-3228-1	Panel, Contactora/Relay	1
23	58-00967-00	Spacer, Panel	3
24	34-00655-08	Screw, Hex Head, 1/4-20 X 1.00 Long, SST	3
25	62-02719-00	Label, Programing Port	1
26	22-02336-04	Fuse, 10 Amp (F3)	1
27	22-02336-02	Fuse, 5 Amp (F1 and F2)	2
28	44-00354-01	Hinge, Controlled Atmosphere Control Box Door	2
29	58-04101-05	Protector, Hinge – Mylar	2
30	34-00655-04	Screw, Hex Head, 1/4-20 X 1/2 Long, SST	A/R
31	66U1-5321-3	Washer, Flat, 1/4, SST	A/R
32	10-01129-02SV	Switch, Controlled Atmosphere Start-Stop (CAS)	1
33	66U1-9752	Seal, Bushing	1
34	68-13107-00	Bracket, Display	1
35	10-00343-00	Triac, Air Heater (AT)	1
36	66U1-5391-3	Screw, Pan Head (Thread Cutting) #8-32 X 3/4 Long, SST	6
37	12-00459-00	Module, Heater Interface	1
NS	62-02738-06	Label, Warning, 3xxx Series – (Located on the bottom panel of the control box near the controller module)	1

5.5 CALIBRATION, GAS CHARGE AND PRESSURIZATION/GAUGE PORTS

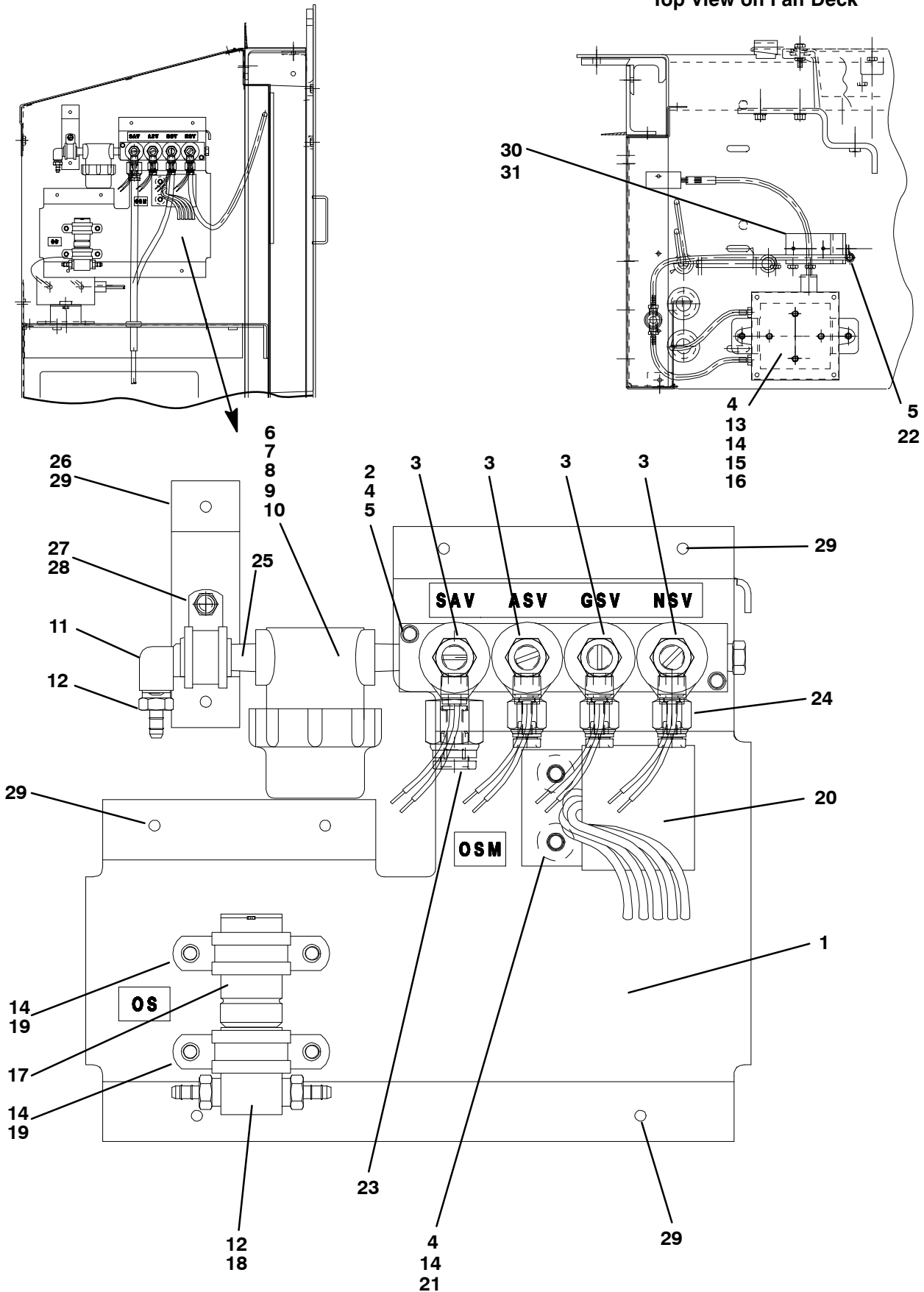


5.5 CALIBRATION, GAS CHARGE AND PRESSURIZATION/GAUGE PORTS (Continued)

Item	Part Number	Description	Qty
1	69NT35-6868	Bracket, Flowmeter	1
2	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	6
3	34-06053-05	Washer, Mylar, 0.600 OD X 0.205 ID	8
4	34-00662-09	Washer, Flat, #10, SST	8
5	12-00376-00	Gauge, Flowmeter	1
6	34-00658-03	Screw, Hex Head, #10-32 X 3/8 Long, SST	2
7	40-00617-00	Elbow, Male, 1/4 Tube X 1/8 MPT, Brass	1
8	58-00507-00	Tube, Black, 1/4 OD - Nylon (50-foot, Cut to Length)	A/R
9	69NT35-7892	Plate	1
10	34-00928-03	Rivet, Blind, 1/4 Diameter, Grip Range - 3/16-1/4	4
11	DD10CA053	Elbow, 1/2 Union, 1/4 Male Flare X 1/8 MPT	1
12	DD19CA061	Cap, Flare Seal, Brass	4
13	PL	Tube, Straight, 3/8 OD X 0.028 Wide, Copper	A/R
14	EC39DM070	Valve, Core Check, Brass	2
15	40-00483-00	Fitting, 1/4 Flare X 3/8 ODS, Brass	2
16	34-06053-07	Washer, Mylar, 0.922 OD X 0.438 ID	4
17	34-00663-14	Washer, Lock, 7/16, SST	2
18	06DA403-844	Valve, Core Check, Brass	1
19	40-00531-00	Coupling, Anchor, Brass	1
20	34-06053-09	Washer, Mylar, 1.50 OD X 0.812 ID	4
21	68-13200-00	Bracket, Carbon Dioxide (CO ₂) and Sampling Connection	2
22	40-00616-01	Connector, Male, 1/4 X 1/4 MPT, Brass	1

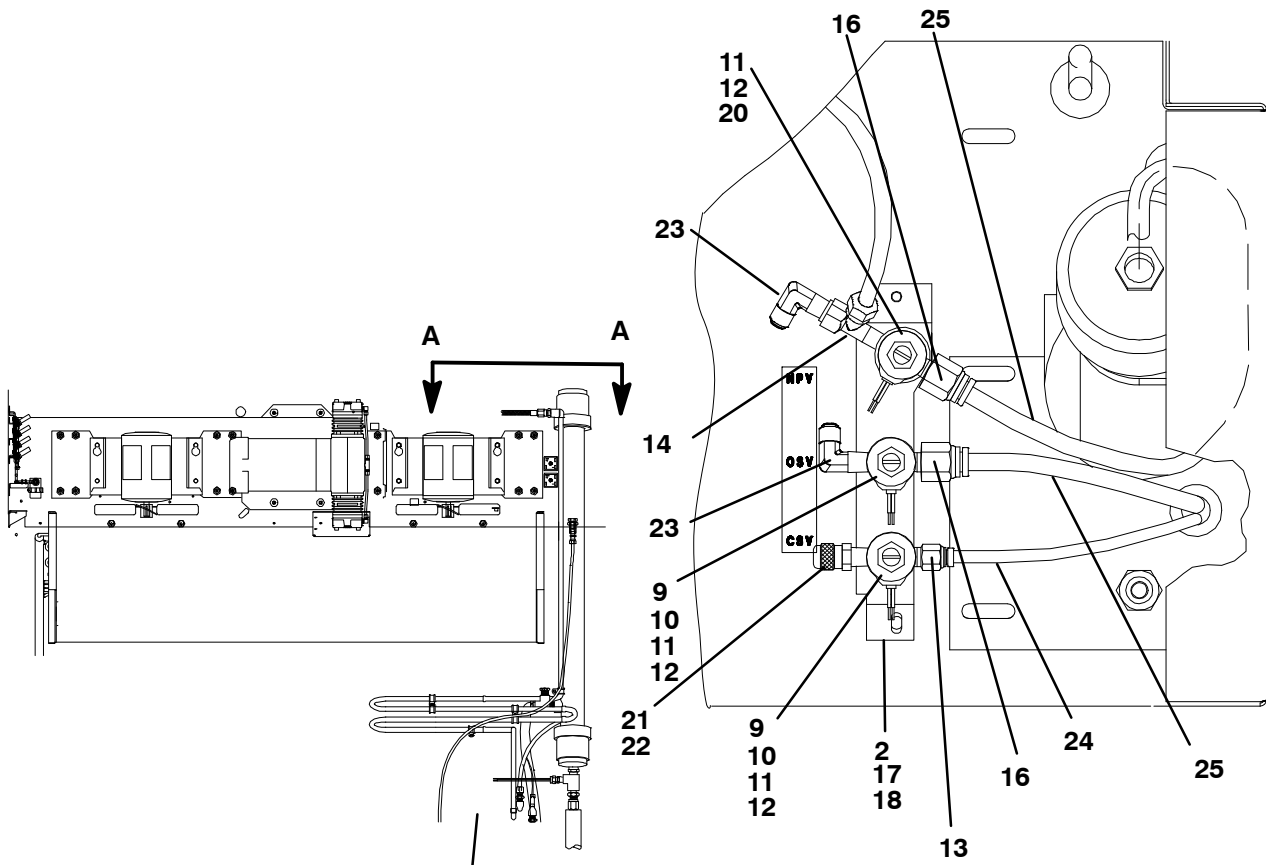
5.6 EVAPORATOR FAN DECK

Top View on Fan Deck



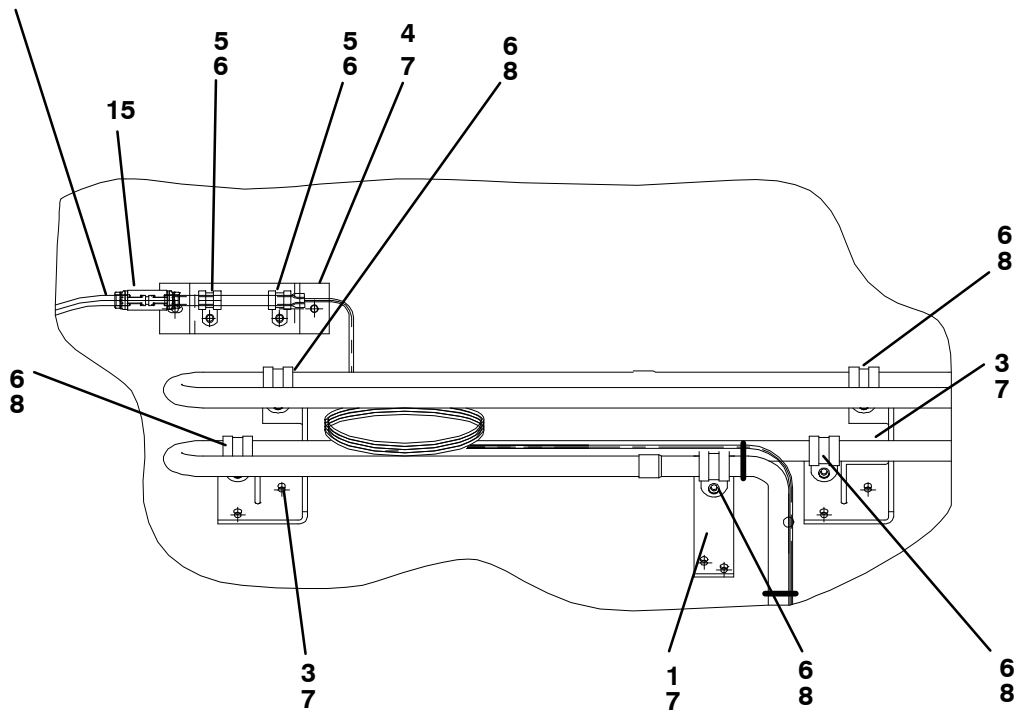
5.6 EVAPORATOR FAN DECK (Continued)			
Item	Part Number	Description	Qty
1	68-13156-00	Bracket Assembly, Sensor	1
2	14-00260-01SV	Valve, Solenoid Manifold (SAV, ASV, GSV, NSV) – Includes:	1
3	14-00260-02	Coil, Solenoid Valve	4
4	34-00662-09	Washer, Flat, #10, SST	9
5	66U1-5371-15	Screw, Hex Head, #10-24 X 1-1/4 Long, SST	2
6	79-01684-00	Filter Assembly, Sensor – Includes:	1
7	30-00415-22	Filter Assembly NSS – Includes:	1
8	–	Filter, Sensor – Refer to Section 5.14	–
9	30-00415-20	Bowl	1
10	30-00415-21	Gasket	1
11	40-00060-01	Elbow 1/8 MPT X 1/8 FPT, Brass	1
12	KA70PP048	Fitting, Hose 1/8 Barb X 1/8 NPT	3
13	10-00398-00	Sensor, Carbon Dioxide (COS)	1
14	66U1-5371-6	Screw, Hex Head, #10-24 X 3/4 Long, SST	A/R
15	68-13177-00	Bracket, Carbon Dioxide Sensor	1
16	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	4
17	10-00344-00	Sensor, Oxygen (OS)	1
18	48-00297-00	Housing, Oxygen Sensor	1
19	44-01028-05	Clamp, Cushion, 0.88 Diameter Tube, Aluminum	2
20	12-00346-00	Module, Oxygen Sensor (OSM)	1
21	58-04152-01	Spacer, M6 ID X M14 OD X M8 Thick, Acrylic	2
22	44-01041-04	Clamp, Cushion, 1/4 – Aluminium	1
23	40-00616-03	Connector, 3/8 Tube X 1/8 MPT, Brass	1
24	40-00616-00	Connector, 1/4 Tube X 1/8 MPT, Brass	3
25	40-00297-00	Coupling, 1/8 X 1/4 NPT, Brass	1
26	68-12967-00	Bracket, Filter	1
27	34-00373-07	Clamp, Cushion, 0.62 Diameter, SST	1
28	66U1-5371-6	Screw, Slotted Hex Head, #10-24 X 0.75 Long, SST	1
29	34-00928-09	Rivet, Blind, 0.156 Diameter, Grip Range 0.126 – 0.250, SST	A/R
30	69NT35-3036	Bracket	1
31	34-00928-03	Rivet, Blind, 0.156 Diameter, Grip Range 0.126 – 0.250, SST	2
NOTE: Some units may have the Solenoid Manifold Valve (item 2) mounted on the sidewall, while other units will be mounted as shown.			

5.7 EVAPORATOR – BACK PANELS REMOVED



View A-A

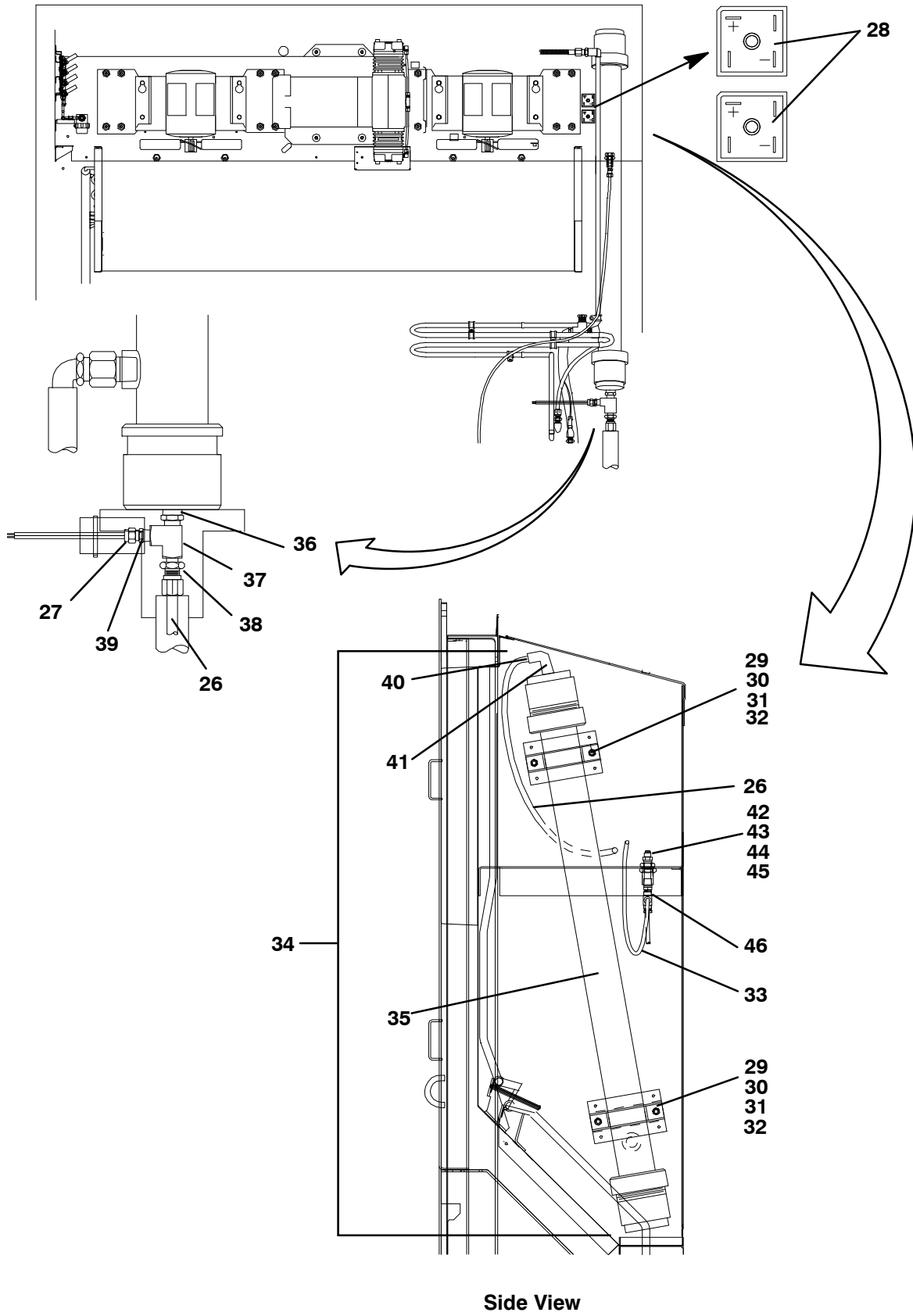
To Air Solenoid Valve (ASV)



5.7 EVAPORATOR – BACK PANELS REMOVED (Continued)			
Item	Part Number	Description	Qty
1	68-13179-00	Bracket, Tube	1
2	68-14052-00	Bracket, Solenoid Valve	1
3	68-13180-00	Bracket, Tube	2
4	68-13190-00	Bracket	1
5	44-01041-04	Clamp, Cushion, 1/4, SST	2
6	66U1-5381-1	Screw, Hex Head, #10-24 X 3/4 Long, SST	6
7	34-00928-09	Rivet, Blind, 5/32 Diameter, Grip Range – 1/8-1/4, SST	6
8	66U1-3632-5	Clamp, Cushion 1/2, SST	6
9	14-00260-00	Valve, Solenoid (CSV, OSV) – Includes:	2
10	14-00260-02	Coil, Solenoid Valve	2
11	34-00663-08	Washer, Lock, #8, SST	3
12	66U1-6651-7	Screw, Pan Head, #8-32 X 3/8 Long, SST	3
13	40-00616-00	Connector, 1/4 Tube X 1/8 MPT, Brass	1
14	40-00609-00	Tee, Union, 1/4 Tube, Brass	1
15	40-00618-00	Union, 1/4 Tube, Brass	1
16	40-00616-03	Connector, 3/8 tube X 1/8 NPTE, Brass	2
17	34-00662-09	Washer, Flat, #10, SST	2
18	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	2
19	40-00072-03	Elbow, Street, 3/8 ODF X 0.38 ODS, Copper	1
20	14-00260-03	Valve, Solenoid (NPV)	1
21	40-00108-03	Coupling, Half Union, Brass	1
22	40-00591-00	Cap, Seal	1
23	DD10CA-053	Elbow, Half Union, Brass	2
24	58-00507-00	Tube, Black 3/8 OD, Nylon	A/R
25	58-00508-00	Tube, Black 1/4 OD, Nylon	A/R

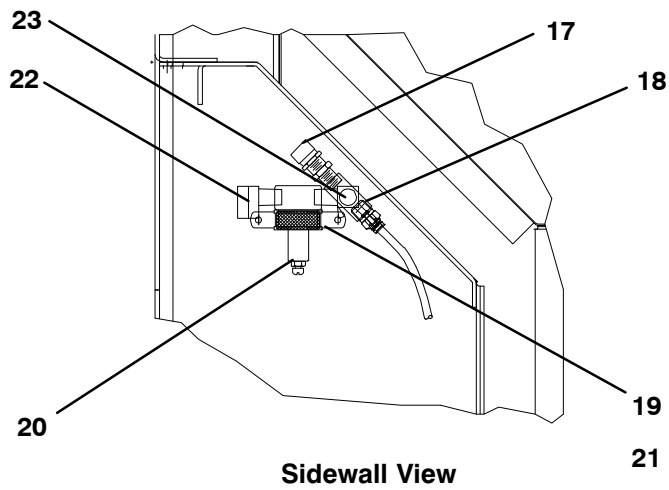
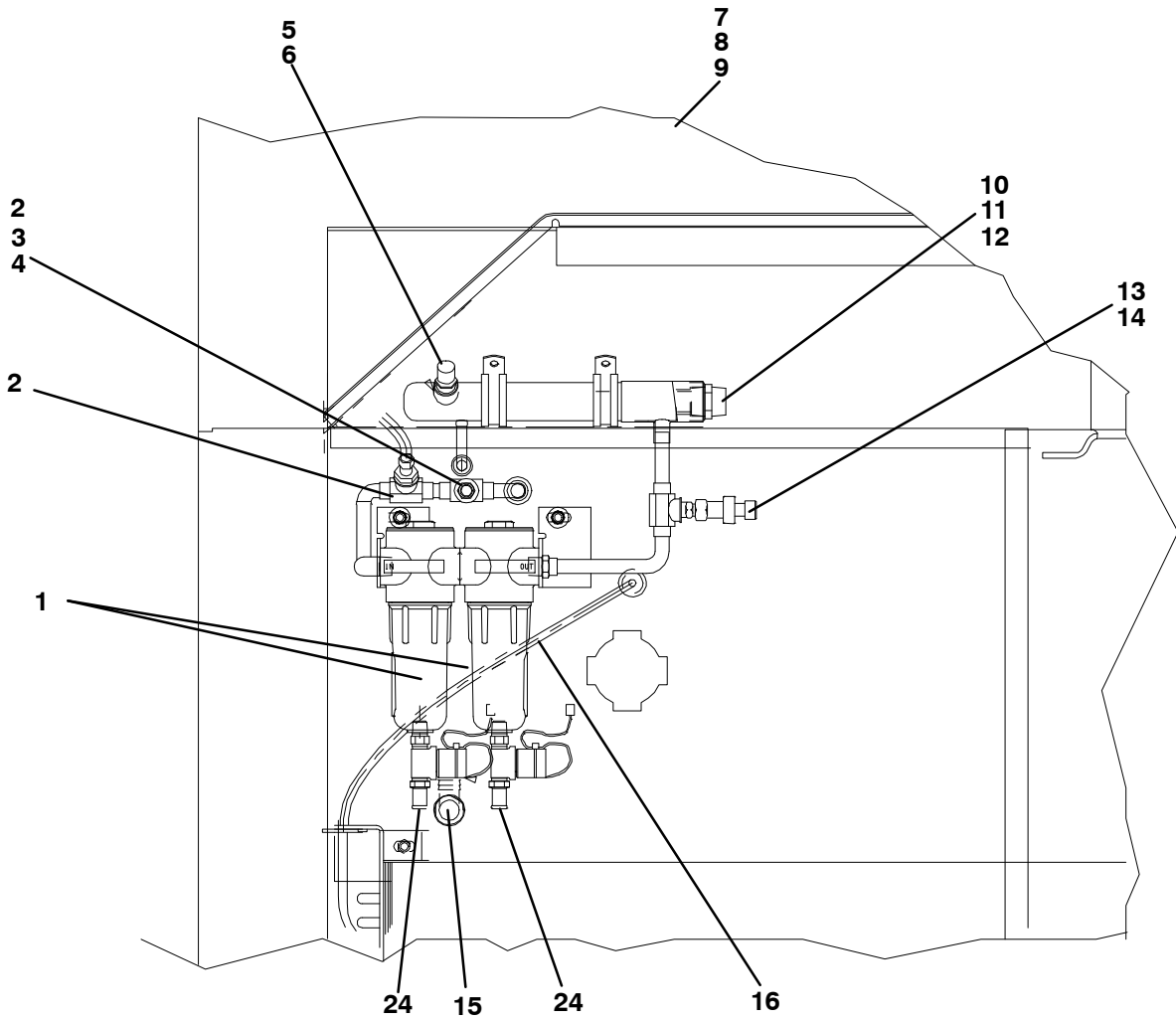
NOTE: Refer to following page for the continuation of this section.

5.7 EVAPORATOR – BACK PANELS REMOVED (Continued)



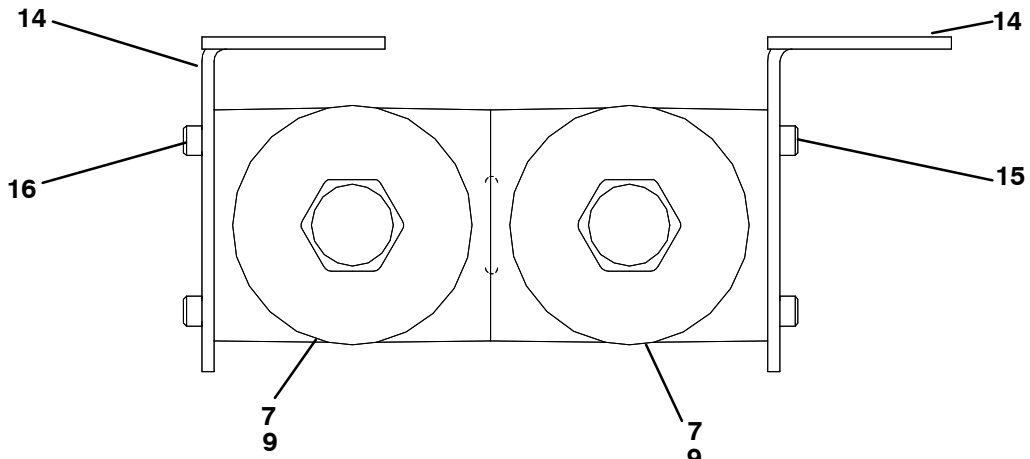
5.7 EVAPORATOR – BACK PANELS REMOVED (Continued)			
Item	Part Number	Description	Qty
26	58-00508-00	Tube, 3/8 OD (50-foot, Cut to length)	A/R
27	12-00360-00	Sensor, Membrane Temperature (MTS)	1
28	10-01120-00	Rectifier, 24 VAC to 12 VDC – Used for Door Interlock System	2
29	69NT41-412	Bracket Assembly, Membrane Mounting	2
30	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	4
31	34-00662-09	Washer, Flat, #10, SST	4
32	34-00928-09	Rivet, Blind, 5/32 Diameter, Grip Range 1/8-1/4, SST	8
33	58-00507-00	Tube, Black, 1/4 OD – Nylon (50-foot, Cut to length)	A/R
34	65-00149-04SV	Membrane Separator Assembly – Includes:	1
35	65-00149-03	Separator, Nitrogen Membrane	1
36	40-00121-03	Bushing, 3/8 X 1/4 NPT	1
37	40-00243-01	Tee, Street, 1/4 NPT	1
38	40-00343-02	Connector, 1/4 NPT X 3/8 OD Tube	1
39	40-00121-01	Bushing, 1/4 X 1/8	1
40	40-00534-19	Fitting, Barb 1/2 NPTF X 3/4	1
41	40-00617-05	Elbow, Push-In Swivel, 3/8 X 3/8	1
42	DD19CA061	Cap, Flare Seal, Brass	1
43	06DA403844	Valve Assembly, Core Check (Schrader Valve), Brass	1
44	40-00531-00	Coupling, Anchor, Brass	1
45	34-06053-09	Washer, Mylar, 1.50 OD X 0.812 ID	2
46	40-00620-01	Tee Assembly	1

5.8 DRAIN SOLENOID VALVES

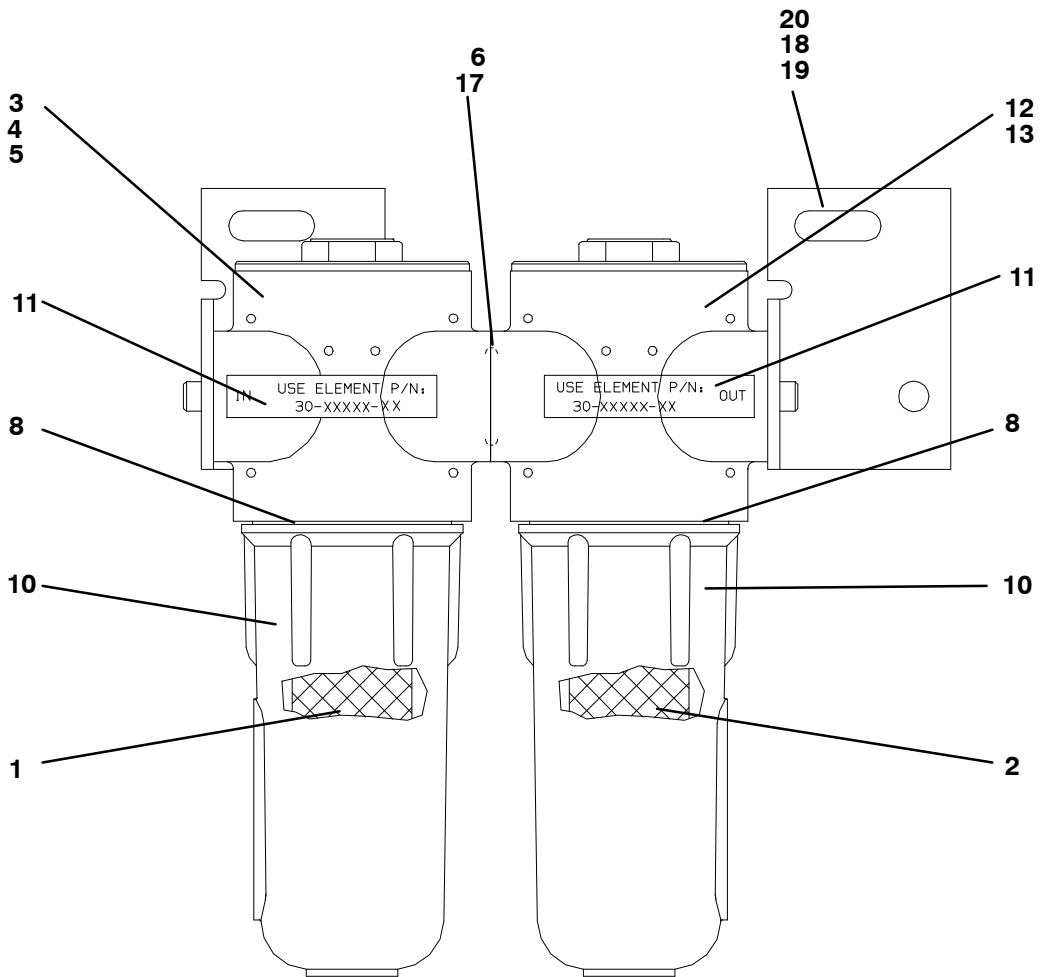


5.8 DRAIN SOLENOID VALVES (Continued)			
Item	Part Number	Description	Qty
1	-	Filter Assembly, Membrane Air - Refer to Section 5.9	-
2	40-00555-08	Tee, 1/2 X 1/2 X 1/4 NPT, Brass	3
3	06DA403844	Valve Assembly, Core Check (Schrader Valve), Brass	1
4	DD19CA061	Cap, Flare Seal	1
5	10-00342-00	Switch, High Air Temperature (HATS)	1
6	40-00580-00	Bushing, 7/8 X 3/8 FPT, Brass	1
7	44-01028-13	Clamp, Cushion, 1-3/8 OD, Aluminium	2
8	34-06053-00	Washer, Mylar, 0.25 ID X 0.80 OD	4
9	34-00662-09	Washer, Flat, #10, SST	4
10	58-04065-11	Protector, Mylar (Between Heater and Frame)	1
11	22-01680-01	Heater, Air	1
12	DE38BA-906	Bushing	1
13	12-00352-00	Transducer, Membrane Pressure (MPT)	1
14	40-00108-04	Coupling, 1/4 MPT X 1/4 MFL	1
15	58-04254-00	Screen Assembly, Brass	1
16	58-00507-00	Tube, Black, 1/4 OD - Nylon (50-foot, Cut to Length)	A/R
17	14-00211-00	Valve, Pressure Relief	1
18	40-00249-01	Tee, Male, 1/4 FPT X FPT X MPT, Brass	1
19	44-01028-13	Clamp, Cushioned, 1-1/4 Diameter Tube	1
20	40-00543-00	Regulator, Pressure	1
21	34-06053-00	Washer, Mylar, 0.25 ID X 0.80 OD	2
22	DD10CA052	Elbow, 90° Street, 1/4 MPT X 1/4 FPT, Brass	1
23	40-00060-02	Elbow, 90° Street, 1/4 MPT X 1/4 FPT, Brass	1
24	14-00260-05SV	Drain Valve	2

5.9 MEMBRANE AIR FILTER ASSEMBLY



Top View

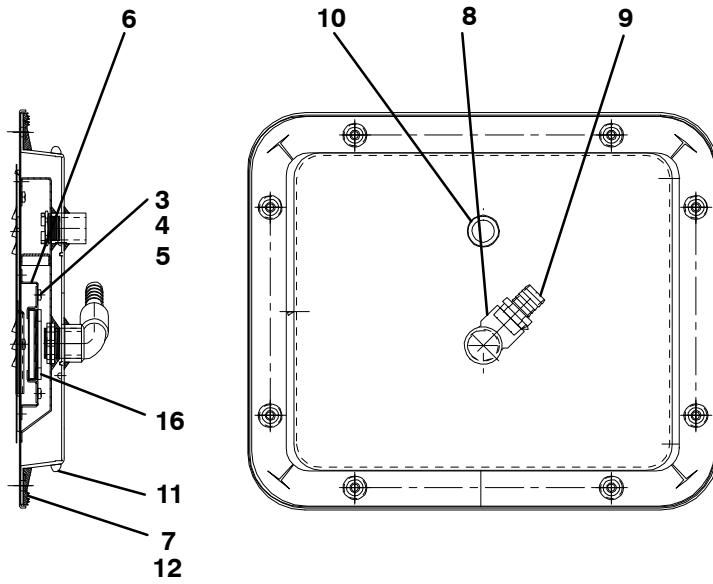
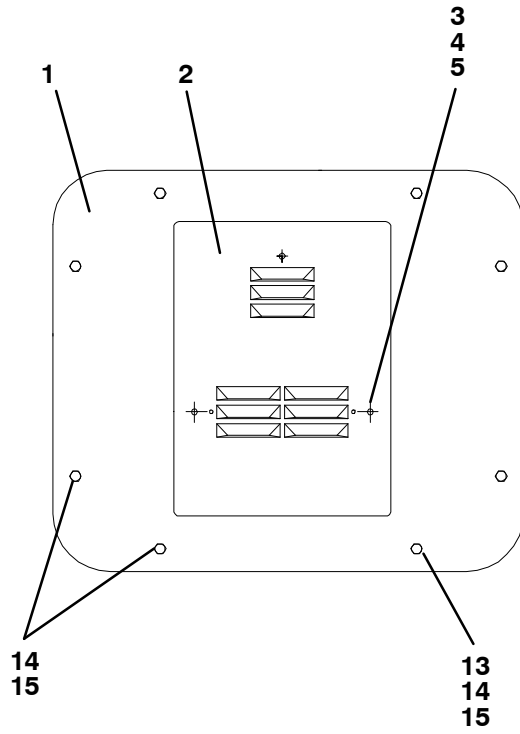


Front View

5.9 MEMBRANE AIR FILTER ASSEMBLY (Continued)

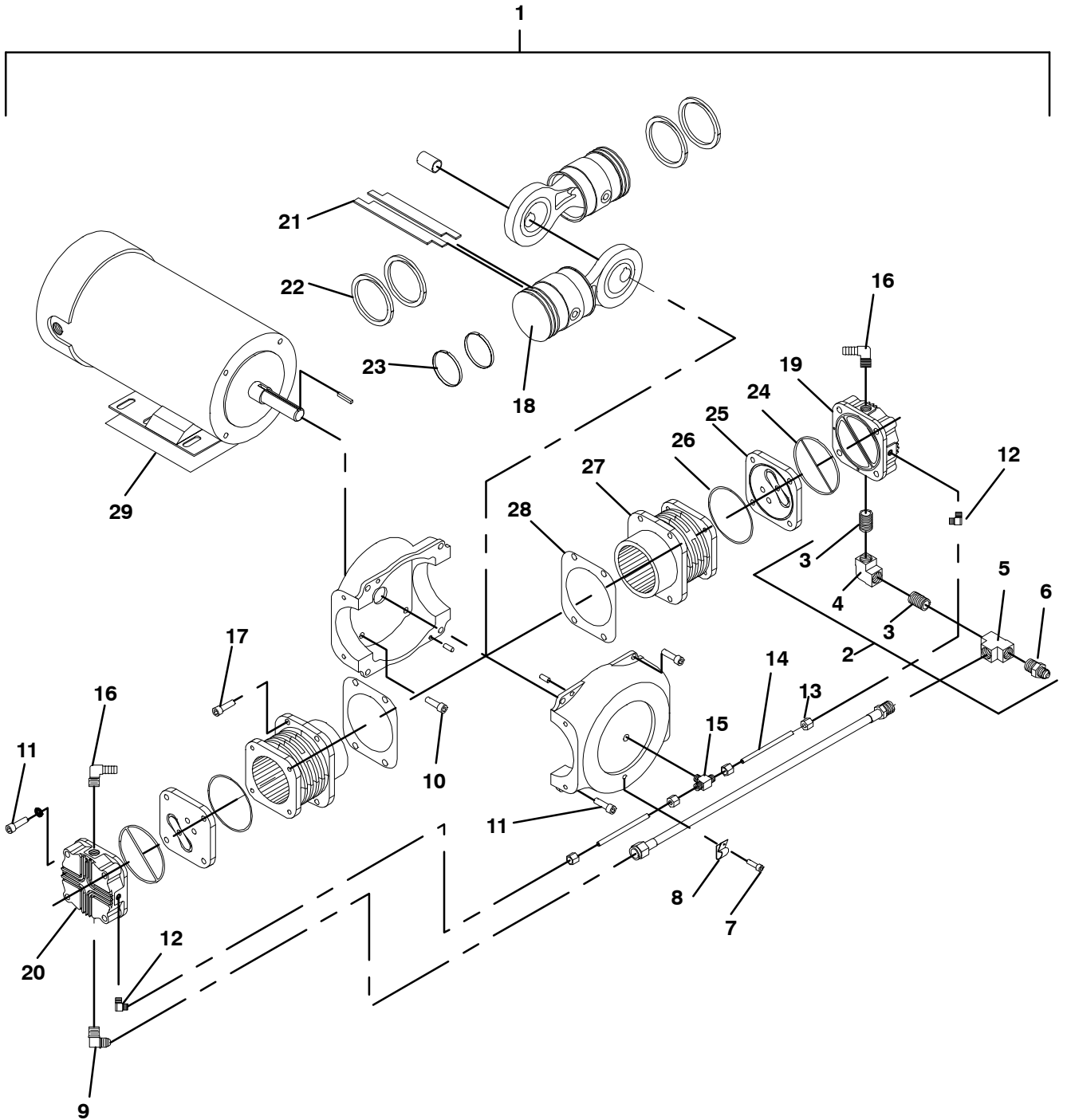
Item	Part Number	Description	Qty
-	30-00438-00	Filter Assembly, Membrane Air - Includes:	1
1	30-00438-14	Element, Filter (RED) (RB)	1
2	30-00438-31	Element, Filter (BLACK) (C)	1
3	30-00438-24	Head and Bowl Assembly, Filter (RB) - Includes: (RED)	1
4	30-00438-23	Head Assembly, Filter (RB) - Includes:	1
5	30-00438-01	Head, Filter	1
6	30-00438-05	O-Ring	1
7	30-00438-11	Plate, Blank	1
8	30-00438-12	O-Ring, Filter	2
9	30-00438-13	O-Ring	1
10	30-00438-02	Bowl, Filter	1
11	30-00438-18	Label (RB)	1
12	30-00438-26	Head and Bowl Assembly, Filter (C) - Includes: (BLACK)	1
13	30-00438-25	Head Assembly, Filter (C) - Includes:	1
5	30-00438-01	Head, Filter	1
6	30-00438-05	O-Ring	1
7	30-00438-11	Plate, Blank	1
8	30-00438-12	O-Ring, Filter	2
9	30-00438-13	O-Ring	1
10	30-00438-02	Bowl, Filter	1
11	30-00438-19	Label (C)	1
14	30-00438-06	Bracket, Mounting	2
15	30-00438-07	Screw, Hex Head, #10-32 X 3-1/2 Long, SST	4
16	30-00438-08	Screw, Hex Head	2
17	30-00438-09	Stand-Off	2
18	66U1-5371-8	Screw, Slotted Hex Head, 1/4-20 X 1.00 Long, SST	2
19	34-00663-11	Washer, Lock, 1/4, SST	2
20	34-00662-11	Washer, Flat, 1/4, SST	2

5.10 AIR INTAKE FILTER



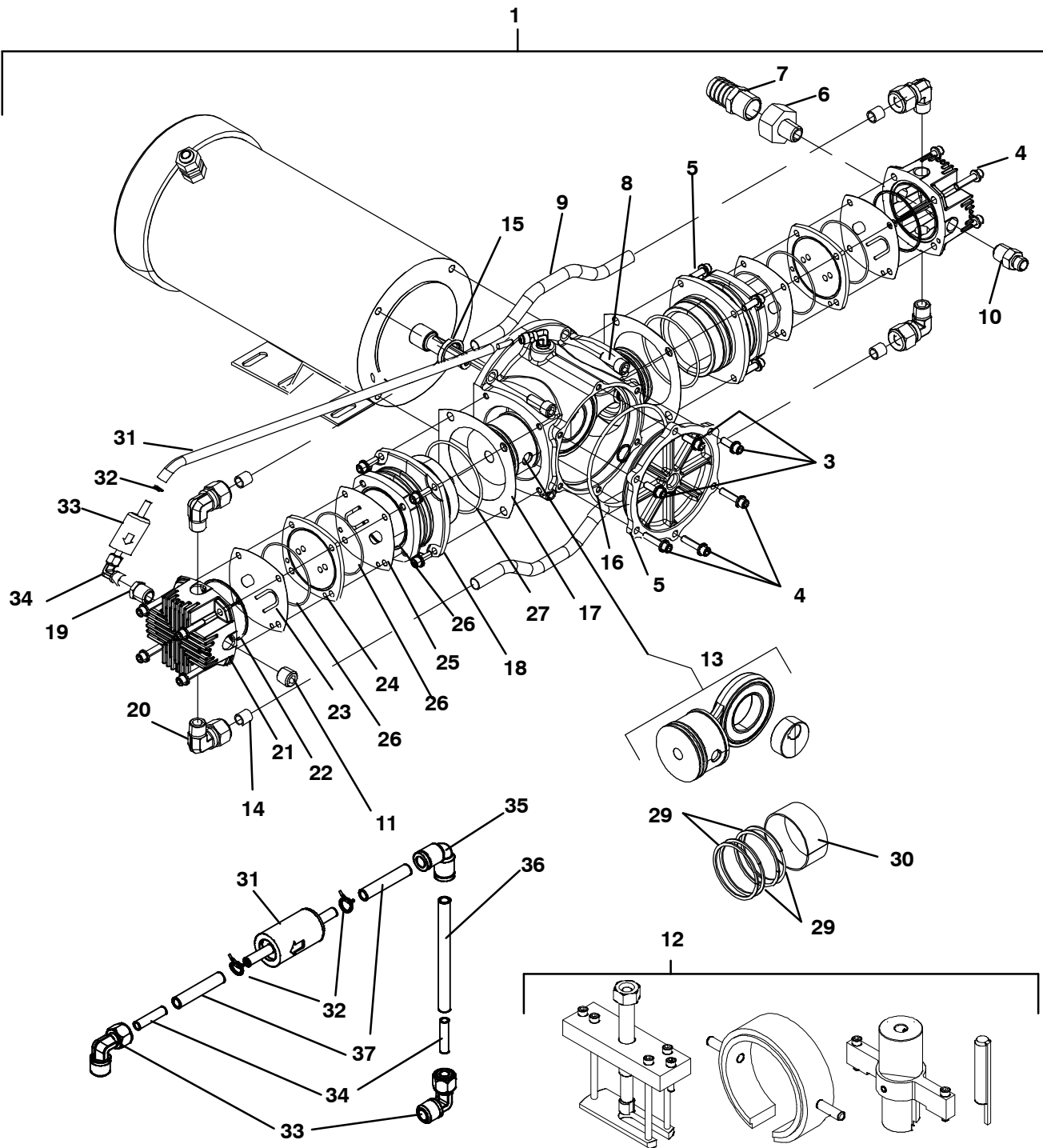
5.10 AIR INTAKE FILTER (Continued)			
Item	Part Number	Description	Qty
1	79-01697-10	Access Panel Assembly, Air Intake Filter – Includes:	1
2	79-01771-00	Panel and Gasket Assembly, Louvered	1
3	34-00662-09	Washer, Flat, #10, SST	4
4	66U1-5371-7	Screw, Hex Head, #10-24 X 1/2 Long, SST	4
5	34-06053-05	Washer, Mylar, 0.205 ID X 0.600 OD	2
6	69NT35-7992	Bracket, Air Intake Filter	2
7	42-00296-01	Gasket	1
8	40-00540-02	Elbow, PVC, 1.00 FPT X 1.00 Socket	1
9	40-00541-00	Fitting, Hose, 1.00 NPTF X 1.00 Barb – Plastic	1
10	14-00225-00	Valve, Pressure Relief	1
11	42-00327-00	Gasket, 0.26 X 0.50 Half-Round	1
12	66U1-8115	Gasket, Access Panel Seal, Pressure Sensitive Adhesive Backed 4 X 1/2 Thick (20-Foot, cut to length)	A/R
13	AA06JA170	Screw, Hex Head, 1/4-20 X 1.00 Long, SST	A/R
14	34-06212-12	Washer, Flat, 1/4, SST	16
15	34-06053-13	Washer, Mylar, 0.25 ID X 0.50 OD	16
16	–	Filter, Air Intake – Refer to Section 5.14	–

5.11 AIR COMPRESSOR Part Number 18-00052-03SV



5.11 AIR COMPRESSOR – Part Number 18–00052–03SV (Continued)			
Item	Part Number	Description	Qty
1	18–00052–03SV	Compressor, Air (AM), No Longer Offered	1
2	74–50130–00	Fitting Kit, Brass – Includes:	2
3	NSS	Nipple, 3/8 NPT, Brass	2
4	NSS	Elbow, Female, 3/8 NPT, Brass	1
5	NSS	Tee, Female, 3/8 NPT, Brass	1
6	NSS	Adapter, 3/8 NPT X 3/8 JIC, Brass	1
7	PL	Screw, Socket Head, #10–32 X 3/8 Long, SST	1
8	PL	Clamp, Hose, 1/4 ID, SST	1
9	PL	Elbow, Male, 90° Street, 3/8 NPT X 3/8 JIC, Brass	1
10	PL	Screw, Socket Head, 3/8 X 1.00 Long, SST	4
11	PL	Screw, 1/4 inch Socket Head, 5/16–18 X 2.00 Long, SST	12
12	PL	Elbow, 90° Street, 1/8 MDT X 1/4 MDT, Brass	2
13	PL	Nut, Compression, 1/4, Brass	4
14	PL	Tubing (Black), 1/4 Diameter – Nylon	2
15	PL	Tee, 1/8 NPT X 1/4 MPT, Brass	2
16	PL	Elbow, 3/8 NPT X 1/2 Barbed Hose, Brass	2
17	PL	Screw, 1/4 inch Socket Head, 5/16–18 X 1.00 Long, SST	8
REBUILD KITS			
–	74–50124–00	Kit, Rebuild – (Major) – Includes:	–
18	NSS	Piston and Rod Assembly	2
19	NSS	Head, Cylinder (Right)	1
20	NSS	Head, Cylinder (Left)	1
–	74–50123–00	Kit, Rebuild – (Minor) – Includes:	–
21	NSS	Skirt, Piston	4
22	NSS	Ring, Piston	4
23	NSS	Expander, Piston Ring	4
24	NSS	Gasket, O–Ring	2
25	NSS	Valve Assembly, Compressor	2
26	NSS	O–Ring	2
27	NSS	Sleeve, Cylinder	2
28	NSS	Gasket (Used between sleeve and crankcase)	2
29	NSS	Gasket	1

5.12 AIR COMPRESSOR Part Number 18-00099

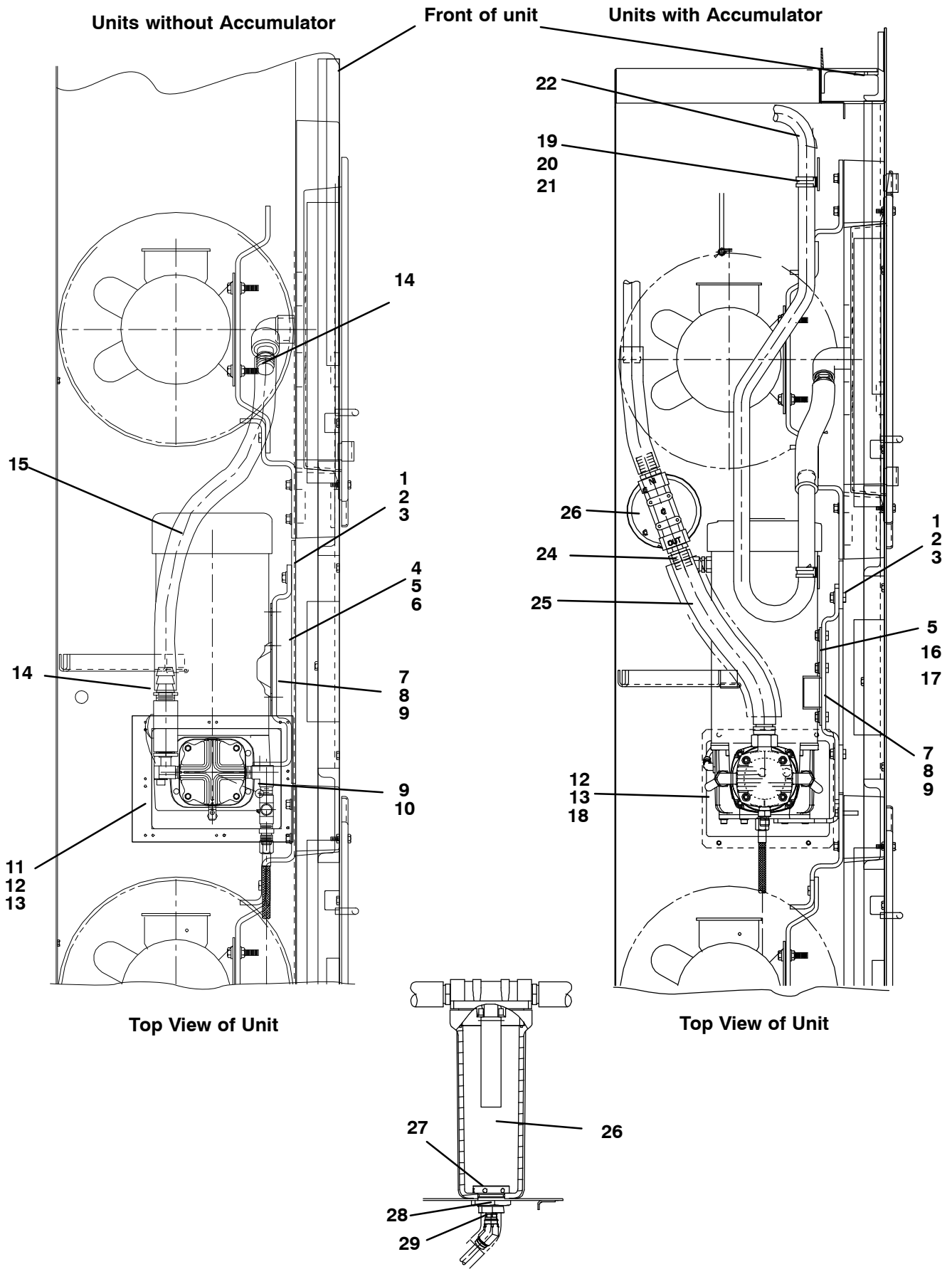


5.12 AIR COMPRESSOR - Part Number 18-00099-00

Item	Part Number	Description	Qty
1	18-00099-00SV	Compressor, Air (AM)	1
2	18-00099-12	Fitting, Tube	2
3	18-00099-30	Screws, Long	11
4	18-00099-31	Screws, Short	11
5	18-00099-32	Cover	1
6	18-00099-33	Bushing, Pipe	1
7	18-00099-34	Hose Barb	1

5.12 AIR COMPRESSOR – Part Number 18-00099-00 (Continued)			
8	18-00099-35	Bolts, Crankcase	4
9	18-00099-37	Tube, Manifold	2
10	18-00099-38	Fitting, Discharge	1
11	18-00099-39	Pipe Plug	1
12	18-00099-40	Compressor Rebuild Tool Kit	A/R
REBUILD KITS			
-	18-00099-75	Kit, Rebuild – (Major) – Includes:	-
13	NSS	Piston and Rod Assembly	2
14	NSS	Sleeve, Manifold	4
15	NSS	Seal, Shaft	1
16	NSS	O-Ring	2
17	NSS	Shim	2
18	NSS	Cylinder	2
-	18-00099-70	Kit, Rebuild – (Head/Valve Assemblies) – Includes:	-
19	NSS	Reducing Bushing	1
20	NSS	Elbow, Tube	4
21	NSS	Head	2
22	NSS	O-Ring, Head	2
23	NSS	Valve, Outlet	2
24	NSS	Valve Plate	2
25	NSS	Valve, Intake	2
26	NSS	O-Ring, Valve	4
27	NSS	O-Ring, Cylinder	2
3	NSS	Screws, Long	8
-	18-00099-55	Kit, Rebuild – (Valve) – Includes	2
14	NSS	Sleeve, Manifold	4
22	NSS	O-Ring, Head	2
23	NSS	Valve, Outlet	2
26	NSS	O-Ring, Valve	4
25	NSS	Valve, Intake	2
-	18-00099-50	Kit, Rebuild – (Ring) – Includes	4
14	NSS	Sleeve, Manifold	4
27	NSS	O-Ring, Cylinder	2
28	NSS	Piston Ring	4
29	NSS	Piston Seal	4
30	NSS	Rider Ring	2
FILTER KIT			
-	18-00099-61	Kit, Rebuild – (Major) – Includes:	-
31	18-00099-10	Filter	1
32	18-00099-41	Clamp, SST	2
33	18-00099-42	Elbow, Tube	2
34	18-00099-43	Insert, Tube	2
35	18-00099-44	Equal, Elbow	1
36	18-00099-45	Tube, Filter 3.54 (90.0) Long	1
37	18-00099-46	Tube, Filter 1.65 (42.0) Long	2

5.13 AIR COMPRESSOR MOUNTING



5.13 AIR COMPRESSOR MOUNTING (Continued)

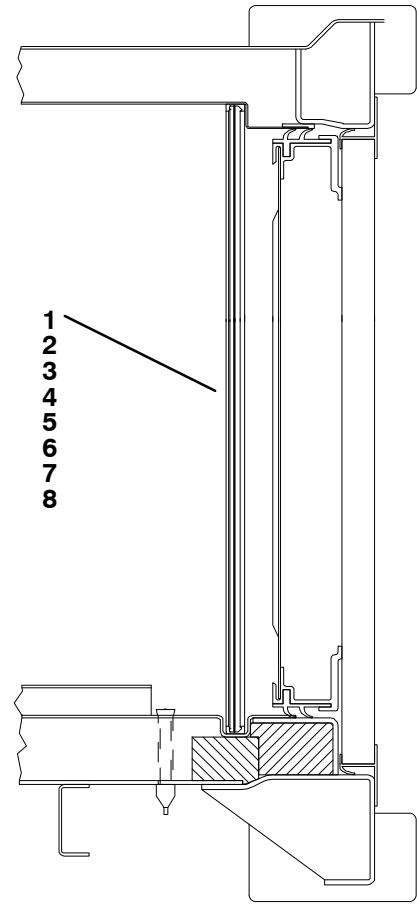
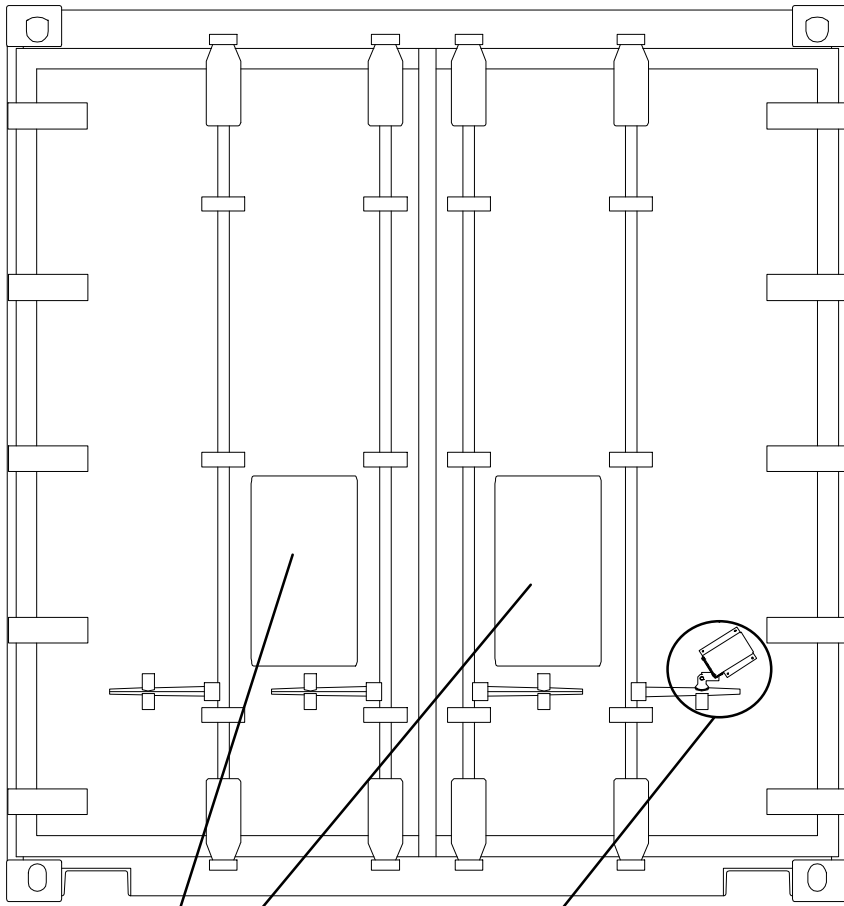
Item	Part Number	Description	Qty
1	69NT43-157	Plate Assembly, Compressor Mounting (See Note 1)	1
2	34-00662-11	Washer, Flat, 1/4, SST (See Note 1)	12
3	34-00665-10	Screw, Hex Head, 1/4-20 X 1-1/4 Long, SST (See Note 1)	12
4	69NT35-3978	Bracket, Compressor Mounting (See Note 2)	1
5	34-00807-08	Screw, Hex Head, 3/8-16 X 1.00 Long, SST (See Note 2)	4
6	66U1-5321-5	Washer, Flat, 3/8, SST (See Note 2)	4
7	34-00792-10	Screw, Hex Head, 5/16-18 X 1-1/4 Long, SST (See Note 3)	4
8	34-01181-01	Washer, Flat, 0.320/0.330 ID, SST (See Note 3)	8
9	34-00667-12	Locknut, 5/16-18, SST (See Note 3)	6
10	34-00662-12	Washer, Flat, 5/16, SST	2
11	68-12713-00	Plate, Compressor Head Baffle Mounting	1
12	34-00928-04	Rivet, Blind, 1/8 Diameter, Grip Range - 1/4 - 5/16, SST	8
13	42-00385-00	Gasket, Compressor Head Baffle	1
14	44-00045-29	Clamp, Hose, SST	2
15	58-04188-03	Tube, PVC, 1.00 ID X 24.00 Long, Clear	1
NS	58-04187-00	Hose Assembly, Discharge	1
16	68-14808-00	Bracket, Compressor Mounting	1
17	66U1-5321-7	Washer, Plain, 1/4 W TYPE A	4
18	68-14853-00	Plate, Compressor Head Baffle Mounting	1
19	AT39JA-171	Nut , Hex, 1/4-20	5
20	34-00373-63	Clamp, Tube, 1 Inch diameter	3
21	34-00663-11	Washer, Lock, 1/4 Spring	2
22	56-8451-00	Tube, Condensing	2
23	58-04188-05	Tube, 1 Inch ID X 9.50	1
24	40-00541-01	Fitting, Hose, 3/4 Inch NPT X 1 inch Barb	2
25	42-00237-85	Insulation, Tube, 1.375 ID X 15.00 Long	1
26	65-00191-00	Accumulator	1
27	48-00403-00	Adapter, Drain and Nut	1
28	42-01134-01	O-Ring	1
29	34-06053-23	Washer, Mylar	1

NOTE 1: Used to mount Compressor Mounting Plate Assembly to Unit wall.

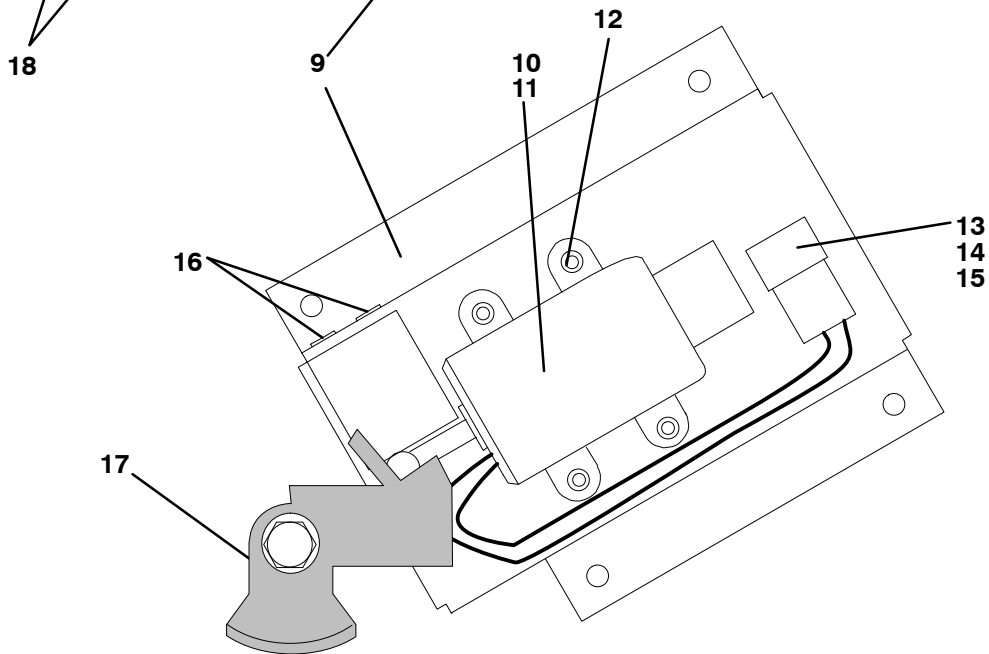
NOTE 2: Used to mount Compressor Mounting Bracket to Compressor Mounting Plate Assembly.

NOTE 3: Used to mount Compressor to Compressor Mounting Bracket.

5.14 PRE-TRIP KIT AND DOOR INTERLOCK SYSTEM



Cross Sectional View – Rear Doors

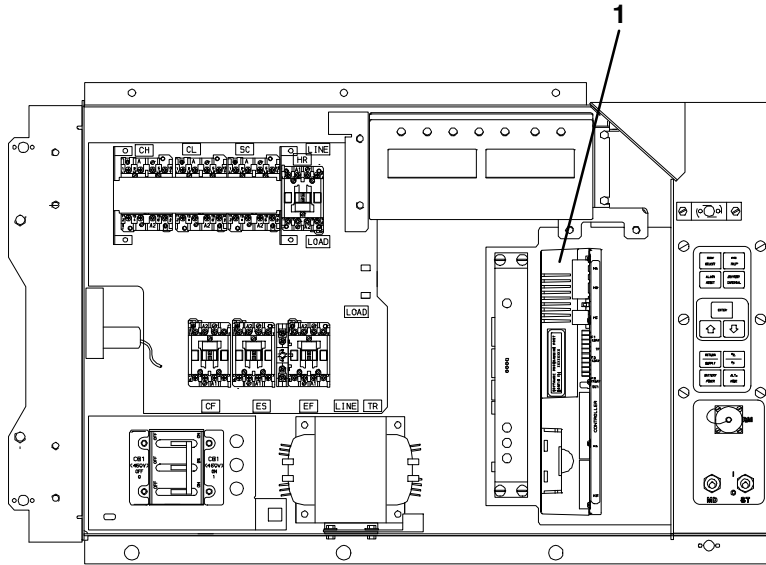


Cutaway View

5.14 PRE-TRIP KIT AND DOOR INTERLOCK SYSTEM (Continued)			
Item	Part Number	Description	Qty
-	76-50040-00	Kit, Pre-Trip – Includes:	-
1	76-50036-00	Ribbon Seal Package, Curtain – Includes:	1
2	NSS	Curtain, Polysheet	1
3	NSS	Seal, Ribbon	1
4	69NT35-1628	Label, Choking/Vent	1
5	38-00554-00	Filter, Air Intake	1
6	79-01684-00	Filter Assembly, Sensor	1
7	68-11773-00	Extrusion, Curtain Track	4
8	06-00318-00	Bracket, Curtain Track	4
9	69NT43-249-2	Interlock System Assembly, Door – Includes:	1
10	12-00355-02	Solenoid, Door Interlock	1
11	58-04065-12	Protector, Mylar	1
12	34-00795-09	Locknut, #10-32, UNC 2B	4
13	22-01613-08	Receptacle, 4-Pin	1
14	22-01613-09	Lock, Secondary, 4-Pin	1
15	22-01613-14	Contact, Pin, #16	4
16	34-00928-09	Rivet, Blind, 5/32 Diameter, Grip Range – 1/4 – 3/8, SST	3
NS	22-01613-10	Connector (Mating part P/N for 22-01613-09)	1
17	79-66627-00	Catch, Door (CCW)	1
17	79-66627-01	Catch, Door (CCW)	1
18	69NT35-1628	Label, Choking/Vent	2
NS	30-50304-00	Absorber, Ethylene – 7 X 18 X 2 (Used to remove ethylene gases in the container air that are produced from certain container loads. Protects ethylene sensitive loads)	1
NS	-	Rectifier, 24 VAC to 12 VDC – Refer to Section 5.7	-
NS	07-00322-01	Gas, Calibration – (17 Liter Cylinder)	-

6 CONTROLLER CONFIGURATION

6.1 REFRIGERATION CONTROLLER/DATACORDER CONFIGURATION

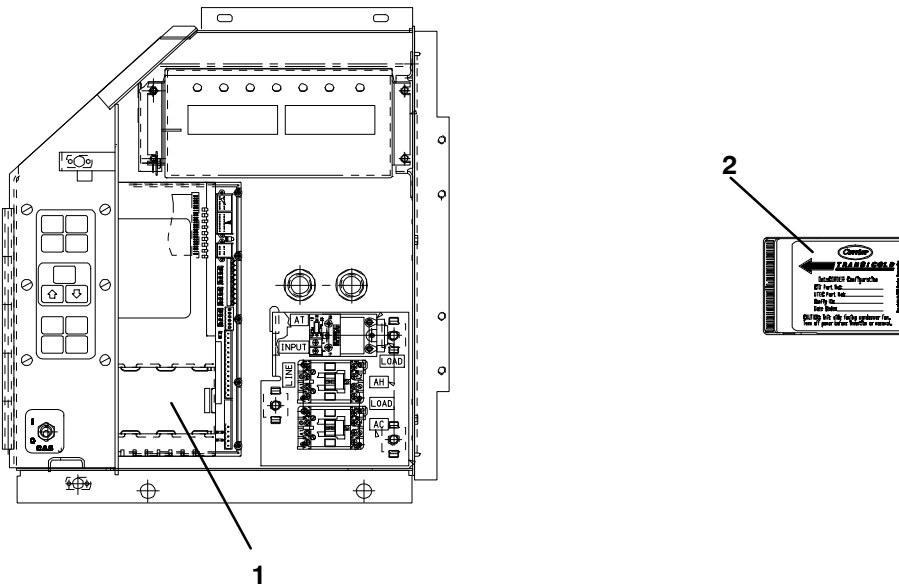


Item	Part Number	Description	Qty
1	12-55004	Controller - Un-Configured (See Note 1 and 2)	1
	See Note 1	Controller - Configured (Refer to Container Unit Matrix)	1

NOTES

1. The last four digits of the Part Number is the operation software revision.
2. The Controller/DataCORDER module is shipped with the operational software already loaded, however, when ordering this part number the end user must load the configuration software at the time of installation.

6.2 CONTROLLED ATMOSPHERE CONTROLLER CONFIGURATION



Item	Part Number	Description	Qty
1	12-55388-01/3110	Controlled Atmosphere Controller Module, Unconfigured, Remanufactured	1
2	12-00399-00/3110	Operation Software Card	1

7 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, Males (Both Ends) (Use with Temperature Tester)
07-00015-00	Case, Carrying (Used with 07-00013-00)
07-00177-00	Gauge, Magnehelic
07-00219-00	Wrench, Compressor Sight Glass
07-00221-00	Inspection Light with Mirror
07-00228-00	Volt-Ohmmeter, Digital
07-00229-00	Amprobe Clamp (Used with 07-00228-00)
07-00237-16	Hose Assembly, Calibration, 1/4" X 1/4"
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)
07-00294-00	Gauge Set, Manifold - Fahrenheit/PSI
07-00294-05	Gauge Set, Manifold - Centigrade/KPa
07-00295-00	Detector, Leak
07-00304-00	Ground Strap, Wrist (Used for working on electronic components)
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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)
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07-00375-00	Tester, Portable, Stepper Motor Drive
07-00391-00	Application Gun (Used with 07-00390-00)
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07-00408-00	Stepper Jumper Assembly
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