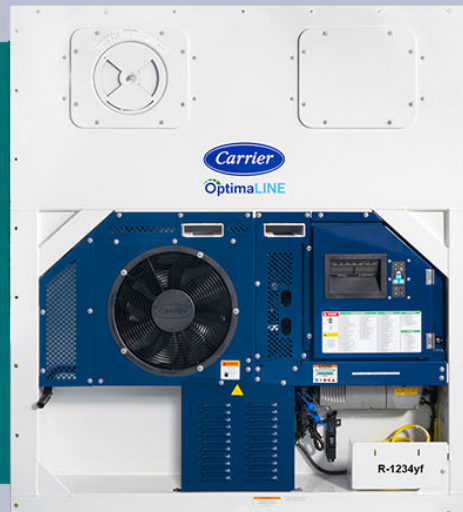




# Container Refrigeration



## PARTS LIST MANUAL

For

### **OptimaLINE**

69NT40-701-100 to 199

(R1234yf Ready or Charged)

Container Refrigeration Units





# PARTS LIST MANUAL

**OptimaLINE**  
69NT40-701-100 to 199  
(R1234yf Ready or Charged)  
Container Refrigeration Units





# Table of Contents

| PARAGRAPH NUMBER |                                                 | PAGE |
|------------------|-------------------------------------------------|------|
| 1.1              | Introduction .....                              | 1    |
| 1.2              | Configuration Identification .....              | 1    |
| 1.3              | Ordering Instructions .....                     | 1    |
| 1.4              | Letter Designations .....                       | 1    |
| 1.5              | Quick Parts Reference .....                     | 2    |
| 1.6              | Refrigeration Unit Component Sections .....     | 4    |
| 2                | Panel Assembly, Upper Air Exchange Panel .....  | 6    |
| 3                | Panel Assembly, Standard Evaporator Panel ..... | 8    |
| 4                | Controlled Atmosphere, EverFRESH .....          | 10   |
| 5                | Controlled Atmosphere, Nitrogen Feed .....      | 12   |
| 6                | Compressor Assembly .....                       | 14   |
| 7                | Compressor Tubing, Standard Units .....         | 16   |
| 8                | Condenser Fan and Motor .....                   | 18   |
| 9                | Condenser Assembly .....                        | 20   |
| 10               | Evaporator Fan and Motor .....                  | 23   |
| 11               | Evaporator Tubing and Coil .....                | 24   |
| 12               | Heaters .....                                   | 26   |
| 13               | Humidity Sensor .....                           | 27   |
| 14               | Frame Kit .....                                 | 28   |
| 15               | Frame Assembly .....                            | 30   |
| 16               | Controller Module, Electronics, Tools .....     | 34   |
| 17               | Controller Kit .....                            | 36   |
| 18               | Control Box Door Kit .....                      | 40   |
| 19               | Control Box Prep Kit .....                      | 42   |
| 20               | Control Box Assembly .....                      | 43   |
| 21               | Panel Kit for Start/Stop (ST) Switch .....      | 44   |
| 22               | Remote Monitoring Unit (RMU) Kit .....          | 46   |
| 23               | USDA .....                                      | 48   |
| 24               | Interrogator Connector Front .....              | 49   |
| 25               | Controller Battery Kit .....                    | 50   |
| 26               | Wiring Kit .....                                | 52   |
| 27               | R1234yf Sensor and Buzzer .....                 | 54   |
| 28               | Wire Harness, Low Voltage .....                 | 56   |
| 29               | High Voltage Harness .....                      | 60   |
| 30               | Cable Assembly - Power Cable and Plug .....     | 62   |
| 31               | Cable Kit .....                                 | 63   |
| 32               | Handle Kit .....                                | 64   |
| 33               | Labels and Decals .....                         | 66   |
| 34               | Back Panel Assembly .....                       | 68   |
| 35               | Vacuum Relief Valve .....                       | 70   |
| 36               | Plate Assembly .....                            | 71   |



# Section 1

## Introduction

### 1.1 Introduction

The Carrier Transicold OptimaLINE units are of lightweight aluminum frame construction, designed to be bolted onto the container front to serve as the container's front wall. Forklift pockets are provided for installation and removal.

OptimaLINE units are self-contained, all electric units, which include cooling and heating systems to provide precise temperature control. The units are supplied with a complete charge of refrigerant and compressor lubricating oil, and are ready for operation upon installation.

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

### 1.2 Configuration Identification

Unit identification information is provided on a nameplate located on the side wall under the variable frequency drive. 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 number provides information on specific optional equipment, factory provisioned to allow for field installation of optional equipment and differences in detailed parts.

### 1.3 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.

For parts ordering and inquiries, go to the Contact Us page on the Carrier Container website:

<https://www.carrier.com/container-refrigeration/en/worldwide/locator/contact-us/>

### 1.4 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.

## 1.5 Quick Parts Reference

| Part Number       | Description                                             |
|-------------------|---------------------------------------------------------|
| 12-00495-02SV     | Ambient Temperature Sensor (AMBS)                       |
| 66-U---1--7842-12 | Circuit Breaker (CB1)                                   |
| 18-10201-20       | Compressor, Variable Speed Scroll                       |
| 22-04546-10       | Power Cable, Compressor (included with 18-10201-20)     |
| 12-00726-20       | Compressor Discharge Temperature Sensor (CPDS)          |
| 46-00025-09       | Compressor Oil                                          |
| 81-04237-20       | Condenser Coil Assembly, MCHE                           |
| 54-00739-20       | Condenser Fan Motor, Dual Speed                         |
| 38-00620-01       | Condenser Fan Assembly                                  |
| 12-55016          | Controller, ML5                                         |
| 79-66081-21       | Controller Battery, Battery Pack and Bracket Standard   |
| 07-00614-00       | Controller Battery, Smart Battery Charger               |
| 12-00495-02SV     | Defrost Temperature Sensor (DTS)                        |
| 40-00583-18       | Discharge / High Side Service Valve                     |
| 12-00352-11       | Discharge Pressure Transducer (DPT)                     |
| 12-00433-09RP     | Display Module                                          |
| 79-04451-00       | Economizer Heat Exchanger Assembly                      |
| 14-00393-03       | Economizer Expansion Valve (ECV) Body                   |
| 14-00393-10       | Economizer Expansion Valve (ECV) Coil                   |
| 12-00352-11       | Economizer Pressure Transducer (ECP)                    |
| 12-00726-20       | Economizer Temperature Sensor (ECT)                     |
| 14-00393-02SV     | Electronic Expansion Valve (EEV) Body                   |
| 14-00393-10       | Electronic Expansion Valve (EEV) Coil                   |
| 81-04350-20       | Evaporator Coil                                         |
| 24-00006-20       | Evaporator Coil Heater, 750W                            |
| 38-00626-00       | Evaporator Fan                                          |
| 54-00648-20       | Evaporator Fan Motor (EM1, EM2)                         |
| 76-66683-00       | Evaporator Stator and Stator Ring                       |
| 12-00500-01SV     | Evaporator Temperature Sensor (ETS1 / ETS2)             |
| 76-00816-00       | Evaporator Pressure Transducer (EPT)                    |
| 14-00464-20       | Filter Drier                                            |
| 07-00294-00       | Gauge Set, Manifold - Fahrenheit / PSI                  |
| 07-00294-05       | Gauge Set, Manifold - Centigrade / KPa                  |
| 76-66705-00       | Heat Termination Thermostat (HTT)                       |
| 12-00309-08       | High Pressure Switch (HPS)                              |
| 76-00675-04       | Humidity Sensor (HS) Assembly Kit, Includes 76-66694-00 |
| 76-66694-00       | Humidity Sensor (HS) Kit, Sensor and Bracket only       |

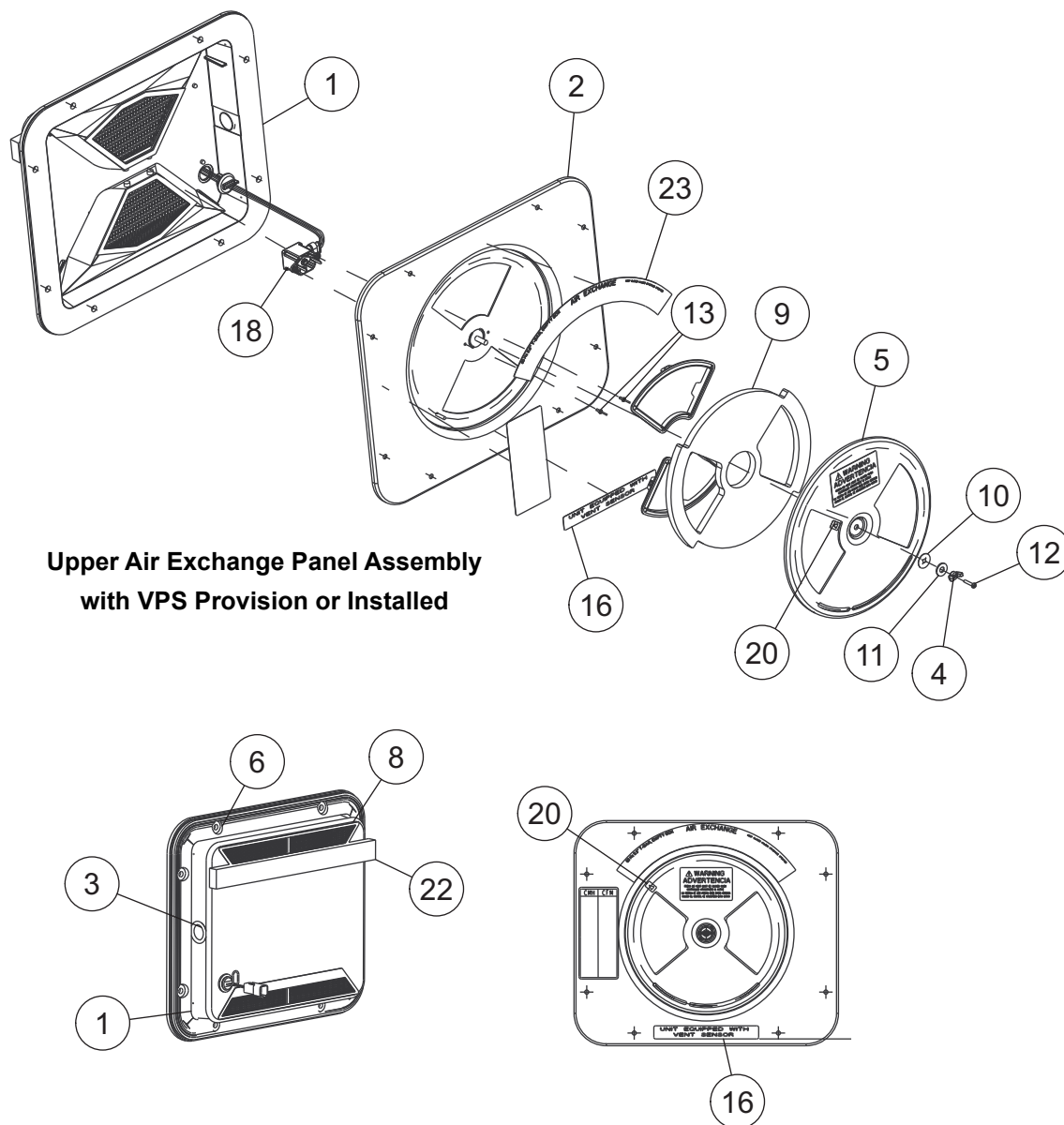
| Part Number     | Description                                                    |
|-----------------|----------------------------------------------------------------|
| 79-66669-05     | Key Pad Assembly                                               |
| 14-00222-05     | King Valve / Liquid Line Service Valve                         |
| 79-01697-06SV   | Panel Assembly, Standard Evaporator Panel                      |
| 79-66780-01     | Panel Assembly, Upper Air Exchange, VPS Installed              |
| 22-50401-00     | Power Cable Assembly 460V, 11 Gauge with Power Plug            |
| 22-66651-00     | Power Cable 460V, 11 Gauge, 4x4                                |
| 22-66654-00     | Power Cable 460V, 10 Gauge, 5x5                                |
| 22-02378-00PK10 | Power Plug, 10 Pack                                            |
| 22-66795-20PK10 | Power Plug, Rotating, 10 Pack                                  |
| 14-00476-20     | Pressure Relief Valve (PRV). Includes:                         |
| 14-00476-00     | PRV                                                            |
| 42-00805-06     | O-Ring, PRV                                                    |
| 76-66719-00     | Refrigerant Conversion Kit, R-513A                             |
| 74-00325-00     | Refrigerant Conversion Kit, R1234yf                            |
| 10-00555-00     | R1234yf Sensor                                                 |
| 10-00616-00     | R1234yf Sensor - Buzzer                                        |
| 65-00233-00     | Receiver Assembly                                              |
| 14-00468-22     | Sightglass                                                     |
| 14-00469-22     | Indicator, Sightglass                                          |
| 12-00500-01SV   | Return Temperature Sensor (RTS) / Return Recorder Sensor (RRS) |
| 40-00665-09     | Suction / Low Side Service Valve                               |
| 76-00816-00     | Suction Pressure Transducer (SPT)                              |
| 12-00395-01SV   | Supply Temperature Sensor (STS) / Supply Recorder Sensor (SRS) |
| 10-01129-07SV   | Toggle Switch Start / Stop (ST)                                |
| 10-00332-21SV   | Transformer, Control                                           |
| 10-00439-03     | Transformer, Current Sensing                                   |
| 12-50089-02PK4  | USDA Sensor, 4 Pack                                            |
| 07-00176-11     | Vacuum Pump, Dual Voltage / Dual Frequency                     |
| 10-00560-01     | Variable Frequency Drive (VFD)                                 |
| 76-00932-00     | Variable Frequency Drive (VFD) Fan                             |
| 79-66778-00     | Vent Position Sensor (VPS)                                     |

## 1.6 Refrigeration Unit Component Sections

| Section                            | Description                                           |
|------------------------------------|-------------------------------------------------------|
| <b>Air Exchange and Atmosphere</b> |                                                       |
| <a href="#">Section 2</a>          | Panel Assembly, Upper Air Exchange Panel, Left Side   |
| <a href="#">Section 3</a>          | Panel Assembly, Standard Evaporator Panel, Right Side |
| <a href="#">Section 4</a>          | Controlled Atmosphere, EverFRESH®                     |
| <b>Compressor Section</b>          |                                                       |
| <a href="#">Section 6</a>          | Compressor Assembly                                   |
| <a href="#">Section 7</a>          | Compressor Tubing                                     |
| <b>Condenser Section</b>           |                                                       |
| <a href="#">Section 8</a>          | Condenser Fan and Motor                               |
| <a href="#">Section 9</a>          | Condenser Assembly                                    |
| <b>Evaporator Section</b>          |                                                       |
| <a href="#">Section 10</a>         | Evaporator Fan and Motor                              |
| <a href="#">Section 11</a>         | Evaporator Tubing and Coil                            |
| <a href="#">Section 12</a>         | Heaters                                               |
| <a href="#">Section 13</a>         | Dehumidification                                      |
| <b>Frame</b>                       |                                                       |
| <a href="#">Section 14</a>         | Frame Kit                                             |
| <a href="#">Section 15</a>         | Frame Assembly                                        |
| <b>Controls and Electronics</b>    |                                                       |
| <a href="#">Section 16</a>         | Controller Module, Related Electronics, Tools         |
| <a href="#">Section 17</a>         | Controller Kit                                        |
| <a href="#">Section 18</a>         | Control Box Door Kit                                  |
| <a href="#">Section 19</a>         | Control Box Prep Kit                                  |
| <a href="#">Section 20</a>         | Control Box Assembly                                  |
| <a href="#">Section 21</a>         | Panel Kit for Start/Stop (ST) Switch                  |
| <a href="#">Section 22</a>         | Remote Monitoring Unit (RMU)                          |
| <a href="#">Section 23</a>         | USDA Section                                          |
| <b>Electrical and Cables</b>       |                                                       |
| <a href="#">Section 25</a>         | Controller Battery                                    |
| <a href="#">Section 26</a>         | Wiring Kit                                            |
| <a href="#">Section 27</a>         | R1234yf Sensor and Buzzer                             |
| <a href="#">Section 28</a>         | Wire Harness, Low Voltage                             |
| <a href="#">Section 29</a>         | Wire Harness, High Voltage                            |
| <a href="#">Section 30</a>         | Cable Assembly - Power Cable and Plug                 |
| <a href="#">Section 31</a>         | Cable Kit                                             |

| Section                     | Description         |
|-----------------------------|---------------------|
| <b>Convenience Features</b> |                     |
| <b>Section 32</b>           | Handle Kit          |
| <b>Section 33</b>           | Labels and Decals   |
| <b>Section 34</b>           | Back Panel          |
| <b>Section 35</b>           | Vacuum Relief Valve |
| <b>Section 36</b>           | Plate Assembly      |

## 2 Panel Assembly, Upper Air Exchange Panel



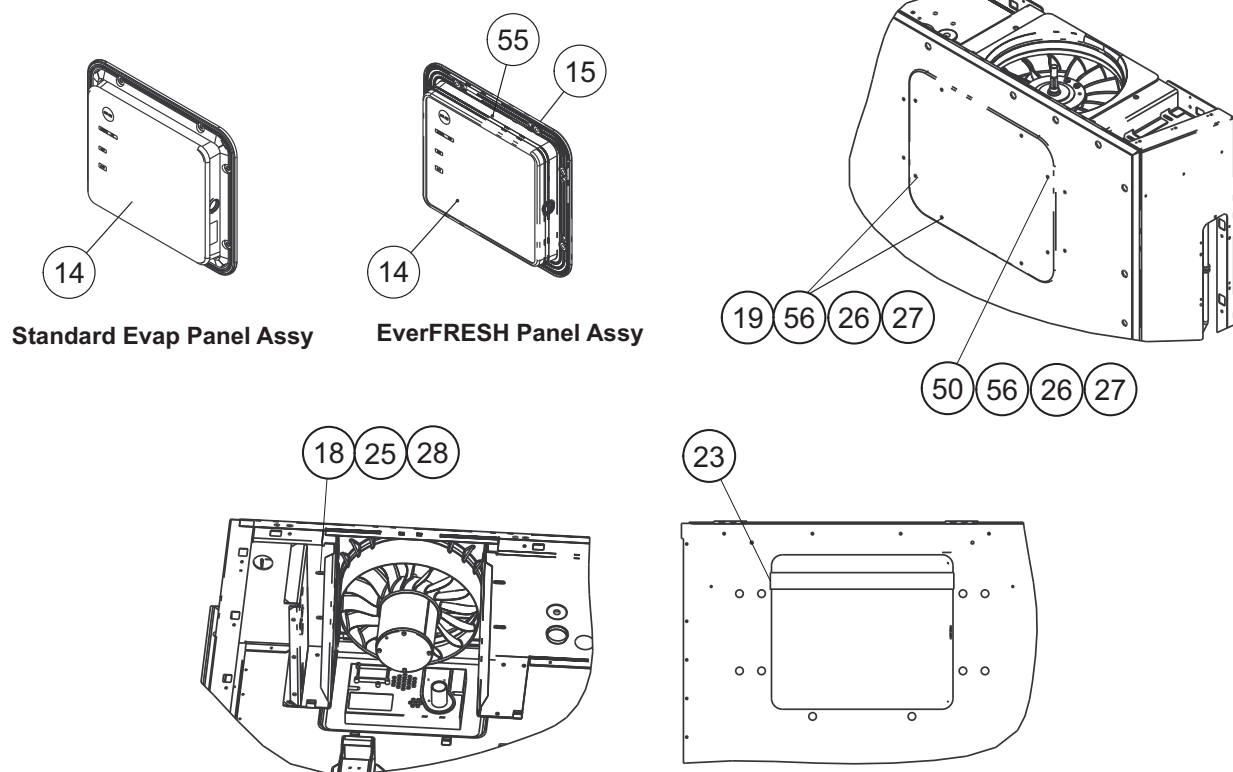
| Item | Part Number      | Description                                    | Qty |
|------|------------------|------------------------------------------------|-----|
|      | 79-66780-01      | Panel Assembly, Upper Air Exchange - Includes: | 1   |
| NS   | 66CH---1--1172-2 | Trim, Flexible                                 | 1   |
| NS   | 58-00969-00      | Wire Tie                                       | 1   |
| NS   | 22-01613-10      | Plug                                           | 1   |
| NS   | 22-01613-11      | Lock                                           | 1   |
| NS   | 22-01613-13      | Contact                                        | 3   |
| NS   | 22-01614-06      | Plug                                           | 1   |
| 1    | 79-66771-01      | Access Panel Assembly                          | NSS |
| 2    | 68-12940-05      | Cover                                          | 1   |
| 3    | 66-U---1--5562-2 | Plug, Button                                   | 1   |



## 2 Panel Assembly, Upper Air Exchange Panel

|    |                    |                                |   |
|----|--------------------|--------------------------------|---|
| 4  | 66-U---1--5362-2   | Nut, Wing                      | 1 |
| 5  | 68-12933-07        | Disc                           | 1 |
| 6  | 42-00296-01        | Gasket, Panel                  | 1 |
| 8  | 42-00327-00        | Gasket, Half Round             | 1 |
| 9  | 42-00407-00        | Gasket, Fresh Air Disc         | 1 |
| 10 | 34-06053-19        | Washer, Retaining              | 1 |
| 11 | 66-U---1--5321-13  | Washer, Plain                  | 1 |
| 12 | 34-06185-01        | Screw, Mach Pnhd               | 1 |
| 13 | 34-00928-20        | Rivet, Blind                   | 2 |
| 16 | 62-10930-00        | Label, VPS                     | 1 |
| 18 | 76-66665-00        | Vent Position Sensor (VPS) Kit | 1 |
| 20 | 66CH---1--1002-33  | Label, > Arrow                 | 1 |
| 22 | 66-U---1--2552-185 | Gasket                         | 1 |
| 23 | 62-02723-15        | Label, Upper Fresh Air         | 1 |

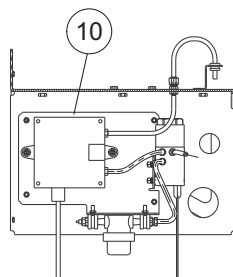
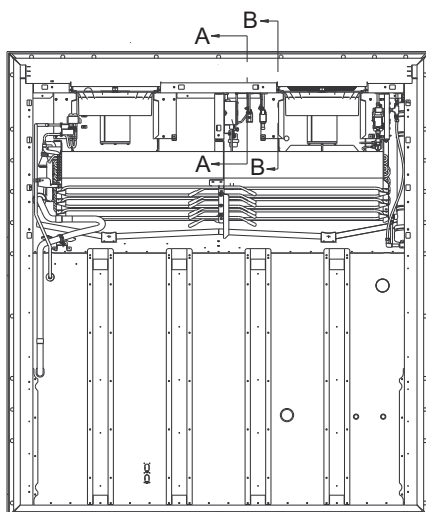
### 3 Panel Assembly, Standard Evaporator Panel



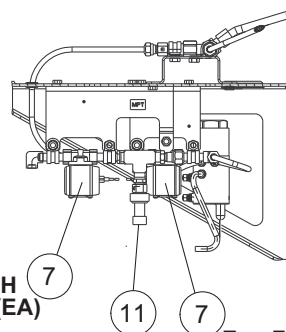
| Item                                           | Part Number        | Description                               | Qty |
|------------------------------------------------|--------------------|-------------------------------------------|-----|
| <b>Standard Evaporator Panel, no EverFRESH</b> |                    |                                           |     |
| 14                                             | 79-01697-06SV      | Panel Assembly, Standard Evaporator Panel | 1   |
| 19                                             | 34-66627-00        | Screw, Cap Hxhd                           | 2   |
| 26                                             | 34-06053-18        | Washer, Retaining                         | 8   |
| 27                                             | 34-06212-17        | Washer, Plain                             | 8   |
| 50                                             | 34-66644-00        | Screw, Cap Hxhd                           | 6   |
| <b>Standard Evaporator Assembly, EverFRESH</b> |                    |                                           |     |
| 14                                             | 79-01697-06SV      | Standard Evaporator Panel Assembly        | 1   |
| 15                                             | 68-11989-00        | Cover, Top                                | 1   |
| 18                                             | 34-00655-08        | Screw, Cap Hxhd                           | 4   |
| 19                                             | 34-66627-00        | Screw, Cap Hxhd                           | 2   |
| 23                                             | 66-U---1--2552-185 | Gasket                                    | 1   |
| 25                                             | 34-00663-11        | Washer, Lock                              | 4   |
| 28                                             | 69NT--35--2692-1   | Washer, Fender                            | 4   |
| 50                                             | 34-66644-00        | Screw, Cap Hxhd                           | 6   |
| 55                                             | 42-00838-00        | Gasket                                    | 1   |
| 56                                             | 34-66682-00        | Washer                                    | 8   |



## 4 Controlled Atmosphere, EverFRESH



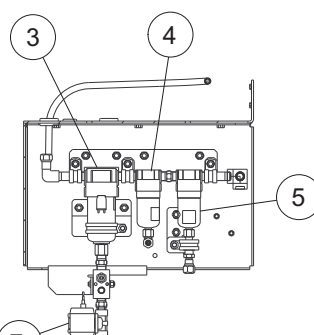
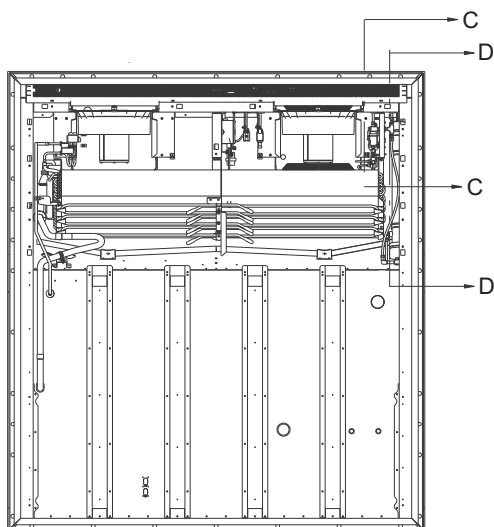
**Section A-A**



**EverFRESH  
Air Valve (EA)**

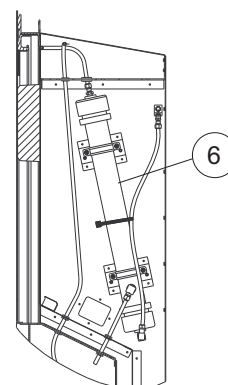
**EverFRESH  
Nitrogen Valve (EN)**

**Section B-B**

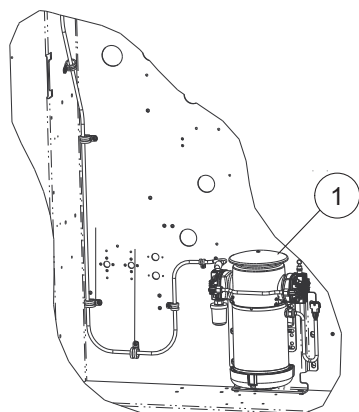


**Water Drain  
Valve (WDV)**

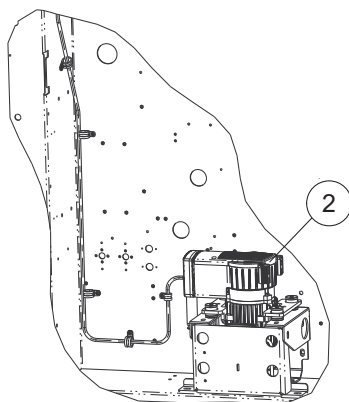
**Section C-C  
H2O Separator / Air Filter**



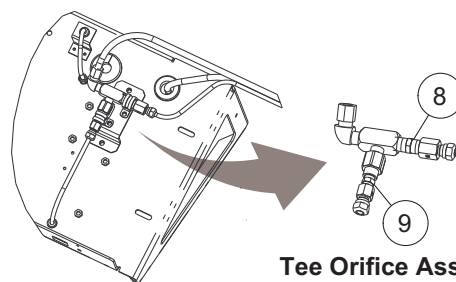
**Section D-D**



**Compressor**



**Compressor**



**Tee Orifice Assembly**

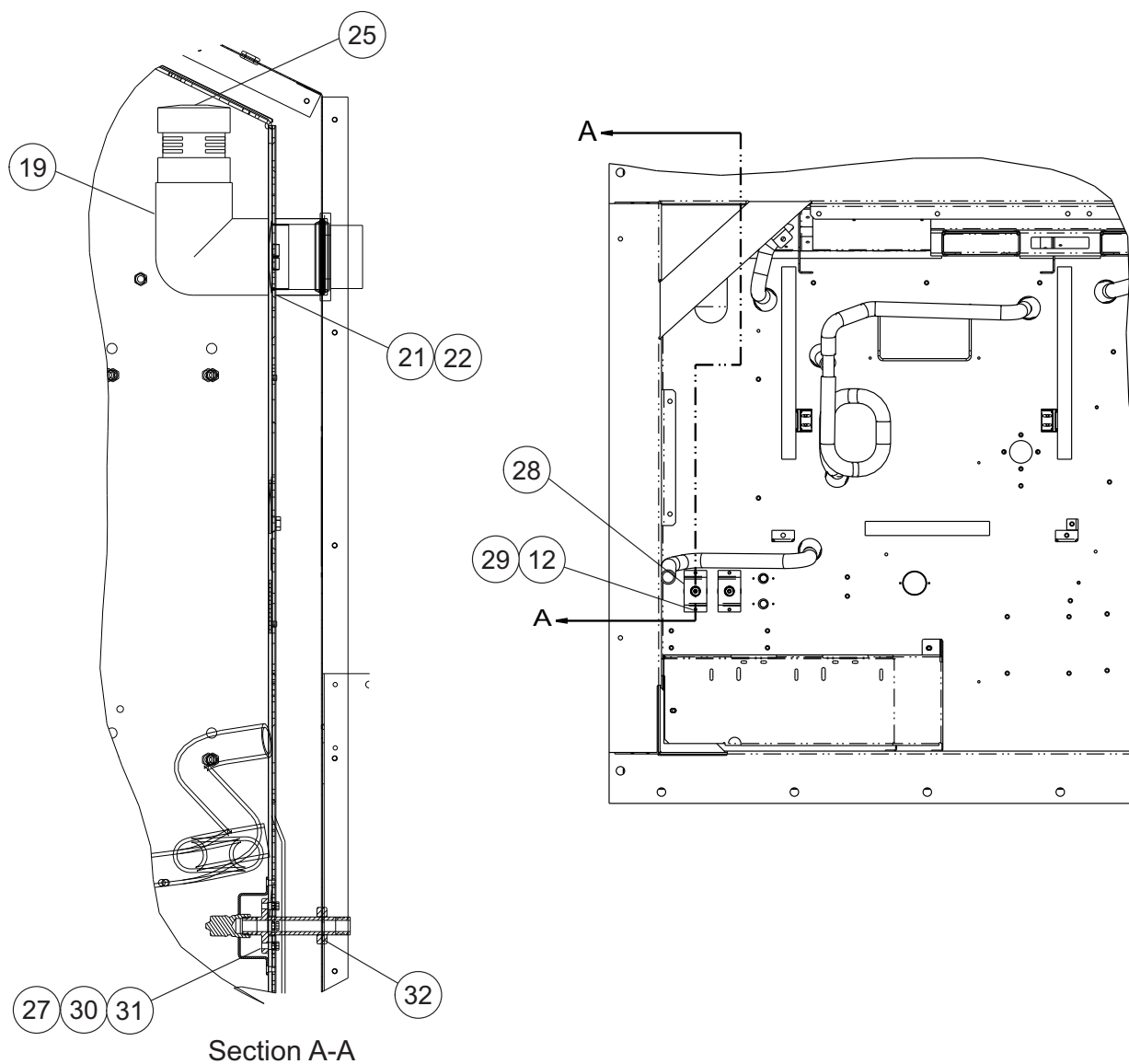
## 4 Controlled Atmosphere, EverFRESH

The major components of the EverFRESH controlled atmosphere option are listed below.

For a complete list of EverFRESH parts, refer to the T-374 EverFRESH manual which is available on the ContainerLINK app or the Container Refrigeration Literature website.

| Item | Part Number     | Description                                                                                                        | Qty         |
|------|-----------------|--------------------------------------------------------------------------------------------------------------------|-------------|
| 1    | 18-10185-25     | EverFRESH Air Compressor (EAC), HP 0.75                                                                            | 1           |
| 2    | 18-10198-25     | EverFRESH Air Compressor (EAC), HP 1.1 - Includes:                                                                 | 1           |
|      | NSS             | Compressor                                                                                                         | 1           |
|      | 18-10198-01     | Damper Assembly                                                                                                    | 4           |
|      | 18-10198-02     | Filter Assembly                                                                                                    | 1           |
| 3    | 30-00554-00     | Water Separator - Includes:                                                                                        | 1           |
|      | 30-00554-20     | O-Ring                                                                                                             | 1           |
| 4    | 30-00558-00     | Filter Assembly, 5 Micron - Includes:                                                                              | 1           |
|      | 30-00558-20pk10 | O-Ring                                                                                                             | 1           |
|      | 30-00558-21     | Filter, 5 Micron                                                                                                   | 1           |
| 5    | 30-00558-01     | Filter Assembly, 0.01 Micron - Includes:                                                                           | 1           |
|      | 30-00558-20pk10 | O-Ring                                                                                                             | 1           |
|      | 30-00558-22     | Filter, 0.01 Micron                                                                                                | 1           |
| 6    | 76-66678-01     | Nitrogen (N2) Separator Assembly                                                                                   | 1           |
| 7    | 40-00792-00     | EverFRESH Air Valve (EA), Solenoid<br>EverFRESH Nitrogen Valve (EN), Solenoid<br>Water Drain Valve (WDV), Solenoid | 1<br>1<br>1 |
| 8    | 40-00790-00     | Orifice N2 Supply                                                                                                  | 1           |
| 9    | 40-00790-01     | Orifice N2 Sampling at Sensor                                                                                      | 1           |
| 10   | 79-66787-01     | Sensor Assembly                                                                                                    | 1           |
| 11   | 12-00352-18     | Membrane Pressure Transducer (MPT)                                                                                 | 1           |

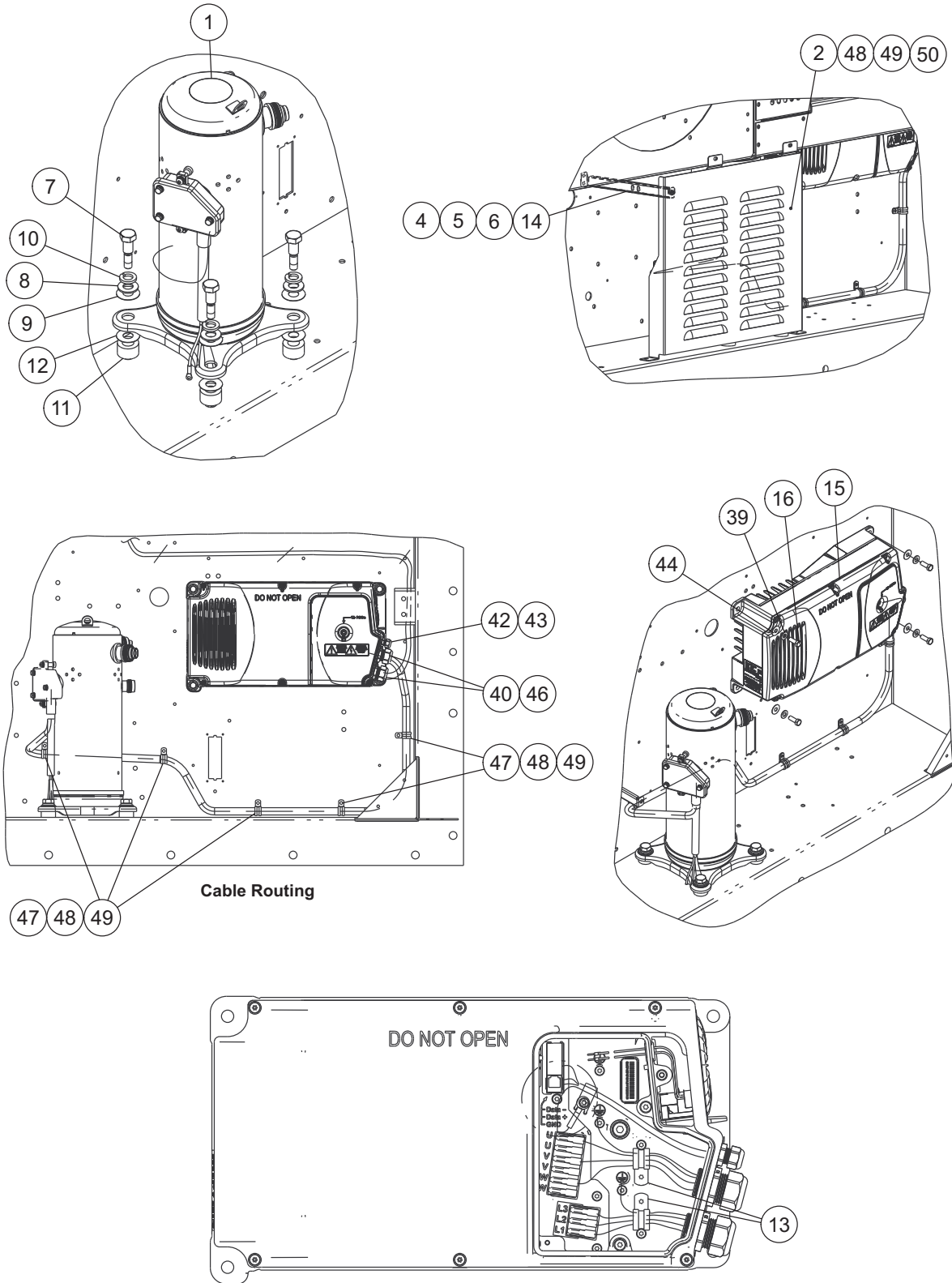
## 5 Controlled Atmosphere, Nitrogen Feed



| Item | Part Number       | Description              | Qty |
|------|-------------------|--------------------------|-----|
| 12   | 58-04026-115      | Protector                | 4   |
| 19   | 58-66684-00       | Elbow Assembly           | 1   |
| 21   | 58-66684-01       | Nut, Vacuum Relief Valve | 1   |
| 22   | 42-66617-00       | Seal, MCI Valve          | 1   |
| 25   | 58-04127-03       | Valve, Pressure Relief   | 1   |
| 27   | 58-04170-01       | Tube Assembly            | 2   |
| 28   | 69NT--35--8012    | Bracket                  | 2   |
| 29   | 34-00928-13       | Rivet, Blind             | 4   |
| 30   | 66-U---1--5321-8  | Washer, Plain            | 8   |
| 31   | 66-U---1--5371-10 | Screw, Mach Hxhd         | 8   |
| 32   | 58-00065-71       | Grommet                  | 2   |



## 6 Compressor Assembly

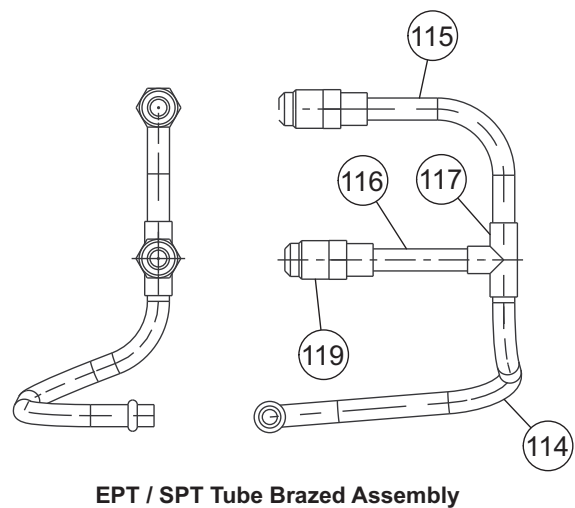
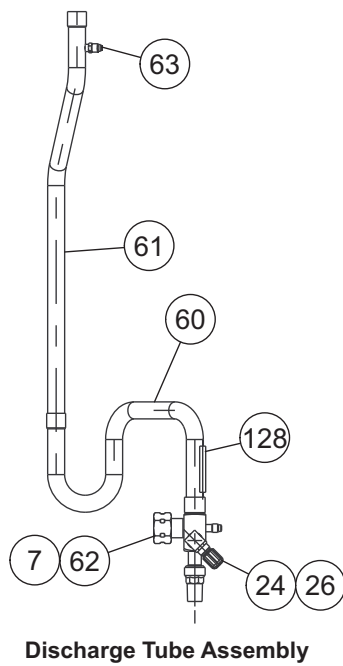
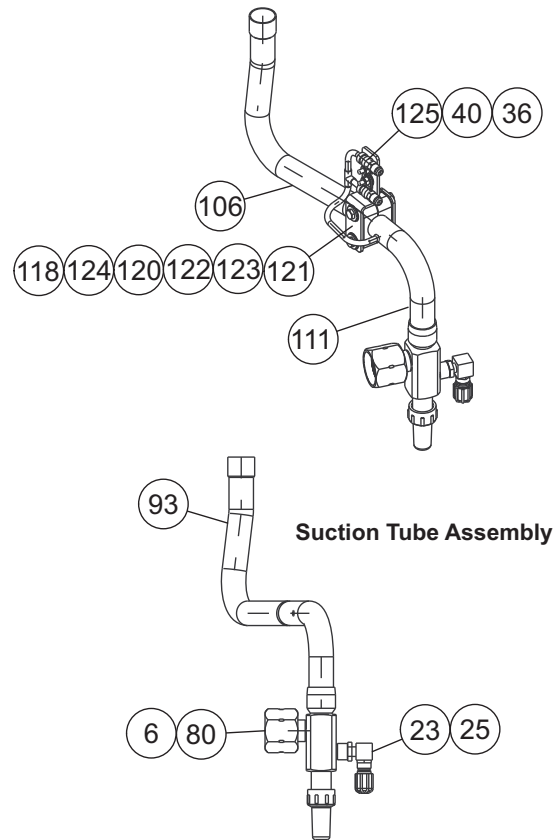
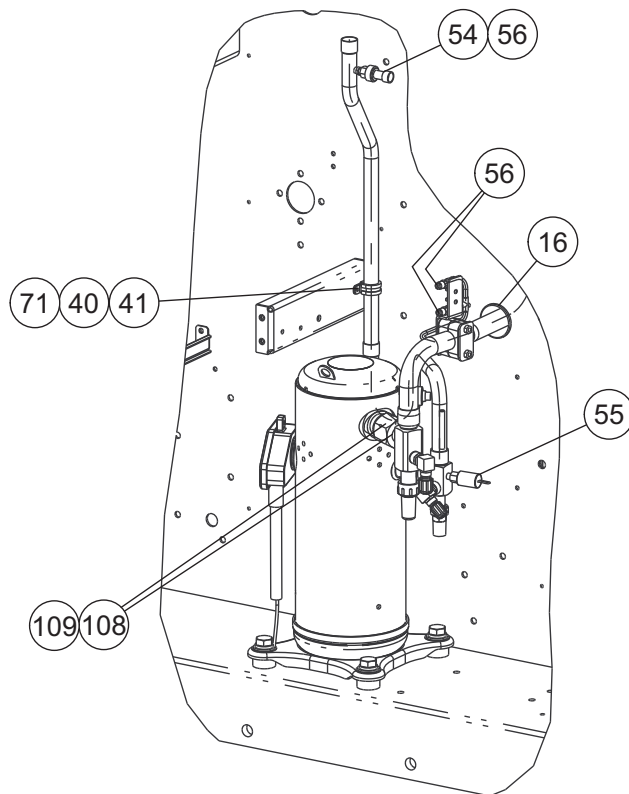




## 6 Compressor Assembly

| Item | Part Number       | Description                                         | Qty |
|------|-------------------|-----------------------------------------------------|-----|
| 1    | 18-10201-20       | Compressor, Variable Speed Scroll                   | 1   |
|      | 22-04546-10       | Power Cable, Compressor (included with 18-10201-20) | 1   |
| 2    | 68-19528-00       | Grille                                              | 1   |
| 4    | 68-19530-00       | Brace, Support                                      | 1   |
| 5    | 34-06053-05       | Washer                                              | 2   |
| 6    | 66-U---1--5371-6  | Screw, Mach Hxhd                                    | 2   |
| 7    | 34-06277-07       | Bolt, Shoulder                                      | 4   |
| 8    | 66-U---1--5321-9  | Washer, Plain                                       | 4   |
| 9    | 34-06053-20       | Washer                                              | 4   |
| 10   | 34-00663-17       | Washer, Lock                                        | 4   |
| 11   | 34-06407-00       | Bushing                                             | 4   |
| 12   | 34-06053-29       | Washer                                              | 4   |
| 13   | 44-00370-03       | Clamp, Cushioned                                    | 2   |
| 14   | 66-U---1--5321-8  | Washer, Plain                                       | 2   |
| 15   | 10-00560-01       | Variable Frequency Drive                            | 1   |
|      | 76-00932-00       | Fan for Variable Frequency Drive                    | 1   |
| 16   | 66-U---1--5361-8  | Screw, Cap Hxhd                                     | 4   |
| 39   | 66-U---1--5321-5  | Washer, Plain                                       | 4   |
| 40   | 22-66793-03       | Gland                                               | 2   |
| 42   | 22-66793-02       | Gland                                               | 1   |
| 43   | 22-66794-02       | Nut                                                 | 1   |
| 44   | 34-06053-02       | Washer                                              | 4   |
| 46   | 22-66794-03       | Nut                                                 | 2   |
| 47   | 44-00370-04       | Clamp, Cushioned                                    | 5   |
| 48   | 34-06053-00       | Washer                                              | 10  |
| 49   | 66-U---1--5361-25 | Screw, Cap Hxhd                                     | 10  |
| 50   | 66-U---1--5321-7  | Washer, Plain                                       | 10  |

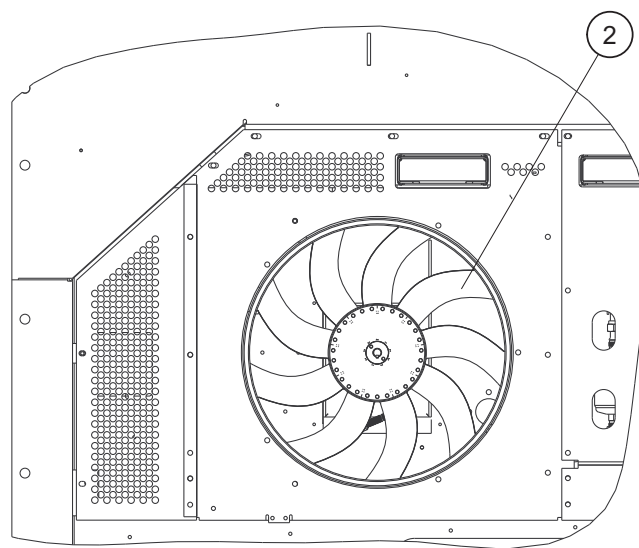
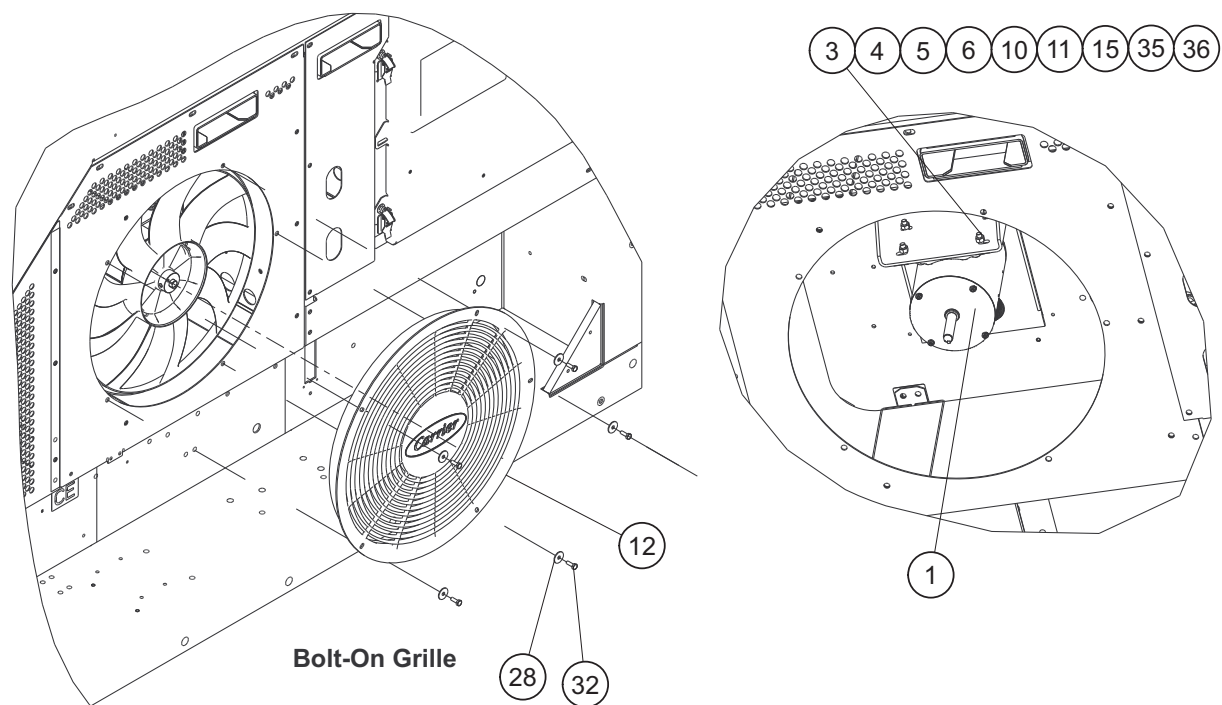
## 7 Compressor Tubing, Standard Units



## 7 Compressor Tubing, Standard Units

| Item | Part Number       | Description                              | Qty |
|------|-------------------|------------------------------------------|-----|
| 6    | 42-00384-04       | Compressor Seal, Suction, Rotalock       | 1   |
| 7    | 42-00384-02       | Compressor Seal, Discharge, Rotalock     | 1   |
| 16   | 58-00065-95       | Grommet                                  | 1   |
| 23   | 40-00855-00       | Elbow, Low Pressure                      | 1   |
| 24   | 40-00855-01       | Elbow, High Pressure                     | 1   |
| 25   | 40-00812-02       | Valve Cap                                | 1   |
| 26   | 40-00812-03       | Valve Cap                                | 1   |
| 36   | 34-00795-09       | Nut, Self Lock                           | 2   |
| 40   | 34-06053-05       | Washer                                   | 3   |
| 41   | 66-U---1--3632-27 | Clamp, Tube                              | 1   |
| NS   | 46-00025-09       | Oil, Compressor                          |     |
| 54   | 12-00352-11       | Discharge Pressure Transducer (DPT)      | 1   |
| 55   | 12-00309-08       | High Pressure Switch (HPS)               | 1   |
| 56   | --EC--39DM-070    | Core, Check Valve                        | 3   |
| 60   | 56-09869-00       | Discharge Tube                           | 1   |
| 61   | 56-09870-00       | Discharge Tube                           | 1   |
| 62   | 40-00583-18       | Discharge Service Valve, 7/8 ID Rotalock | 1   |
| 63   | 40-01124-00       | Valve Body for DPT                       | 1   |
| 71   | 66-U---1--5371-10 | Screw, Mach Hxhd                         | 1   |
| 80   | 40-00665-09       | Suction Service Valve, 1 1/8 ID Rotalock | 1   |
| 93   | 56-09865-00       | Suction Tube                             | 1   |
| 106  | 42-00425-169      | Insulation, Tube                         | 1   |
| 108  | 42-00425-112      | Insulation, Tube                         | 1   |
| 109  | 66-U---1--3882-8  | Wire Tie                                 | 2   |
| 111  | 42-00425-176      | Insulation, Tube                         | 1   |
| 114  | 56-09866-00       | Tube                                     | 1   |
| 115  | 56-08784-00       | Tube                                     | 1   |
| 116  | 99TS0440CK001500  | Tube, Straight                           | 1   |
| 117  | 40-00168-02       | Tee                                      | 1   |
| 118  | 68-18809-00       | Bracket                                  | 1   |
| 119  | 40-00662-00       | Valve Body for SPT                       | 2   |
| 120  | 44-00285-54       | Clamp, Tube                              | 1   |
| 121  | 34-00655-18       | Screw, Cap Hxhd                          | 2   |
| 122  | 34-06053-00       | Washer                                   | 2   |
| 123  | 66-U---1--5321-7  | Washer, Plain                            | 2   |
| 124  | 68-15998-00       | Nut Plate                                | 1   |
| 125  | 34-00373-51       | Clamp, Tube                              | 2   |
| 128  | 56-08645-00       | Tube                                     | 1   |

## 8 Condenser Fan and Motor

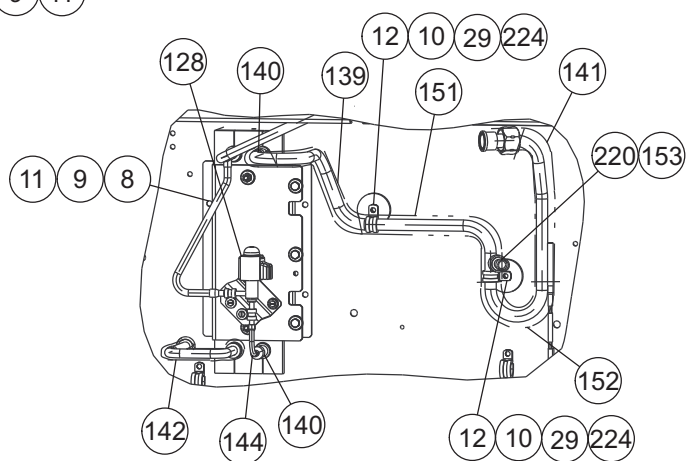
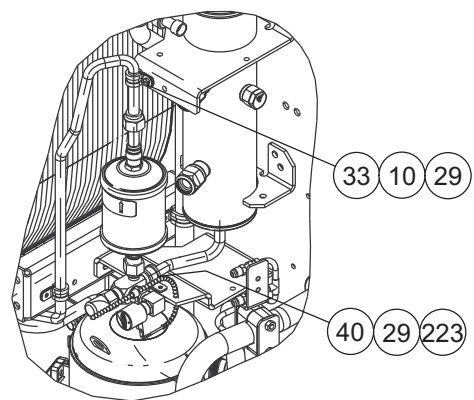
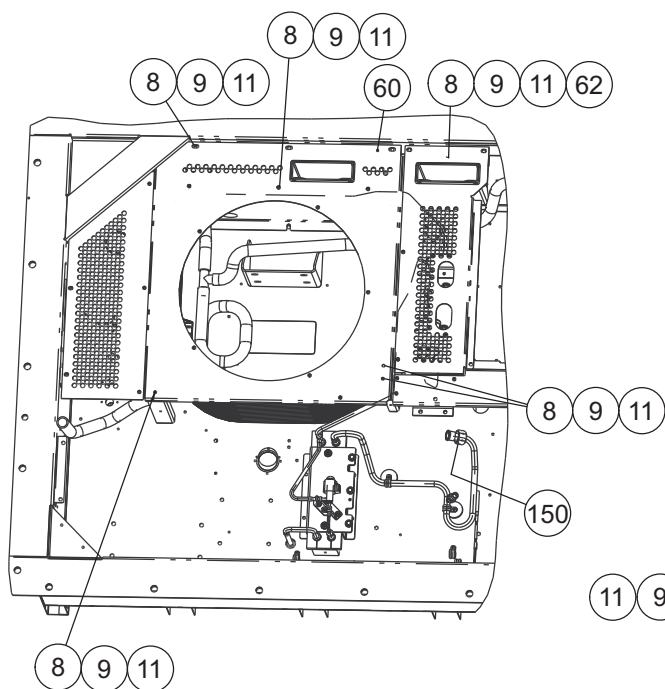
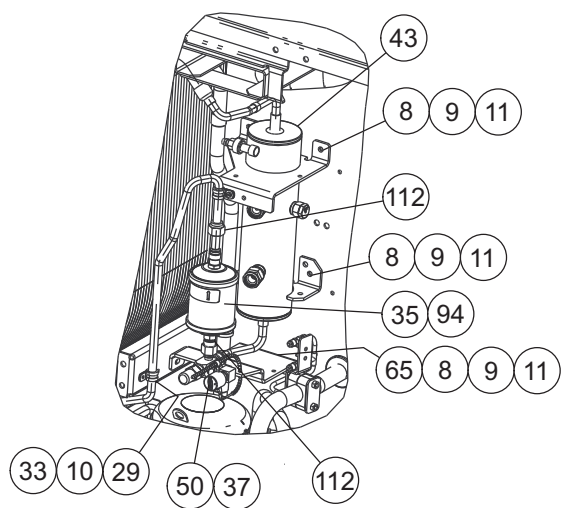
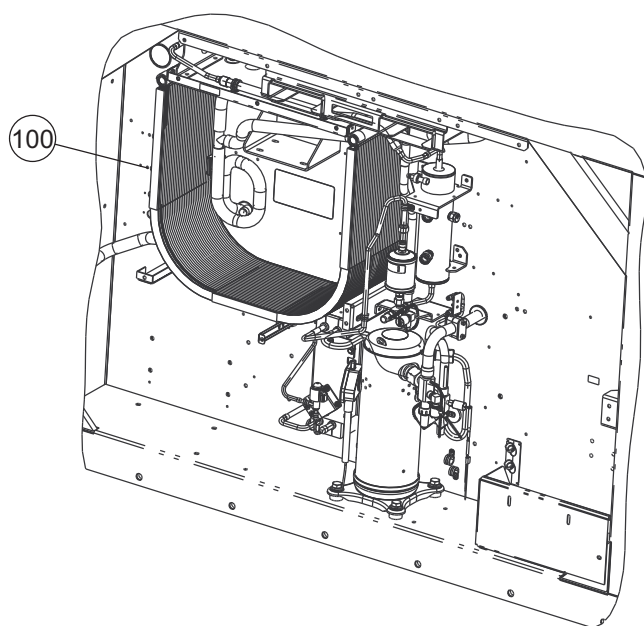


Shown with Fan Grille Removed

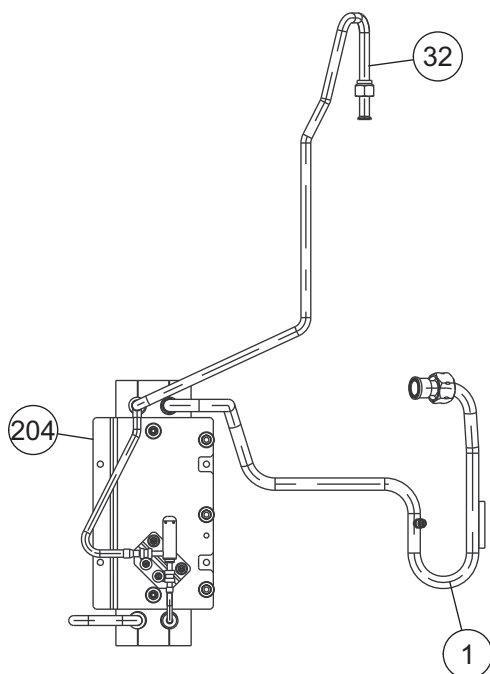
## 8 Condenser Fan and Motor

| Item | Part Number       | Description                        | Qty |
|------|-------------------|------------------------------------|-----|
| 1    | 54-00739-20       | Condenser Fan Motor, dual speed    | 1   |
| 2    | 38-00620-01       | Condenser Fan Assembly             | 1   |
| 3    | 69NT--35--3452    | Shim                               | 1   |
| 4    | 34-01181-01       | Washer, Flat                       | 8   |
| 5    | 34-00667-12       | Nut, Self Lock                     | 4   |
| 6    | 66-U---1--5361    | Screw, Cap Hex Head 5/16-18 X 1.25 | 4   |
| 10   | 69NT--35--3452-1  | Shim                               | 1   |
| 11   | 58-04026-113      | Protector                          | 2   |
| 12   | 58-04980-00SV     | Condenser Fan Grille               | 1   |
| 15   | 34-06053-02       | Washer                             | 4   |
| 28   | 69NT--35--2692-1  | Washer, Fender                     | 5   |
| 32   | 66-U---1--5361-25 | Screw, Cap Hex Head 1/4-20 X 0.75  | 5   |
| 35   | 69NT--35--3452-2  | Shim                               | 1   |
| 36   | 69NT--35--3452-3  | Shim                               | 1   |

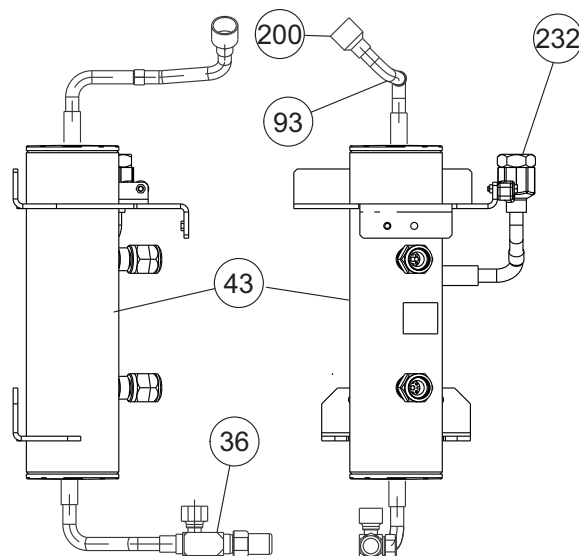
## 9 Condenser Assembly



## 9 Condenser Assembly



**Economizer Brazed Assembly**



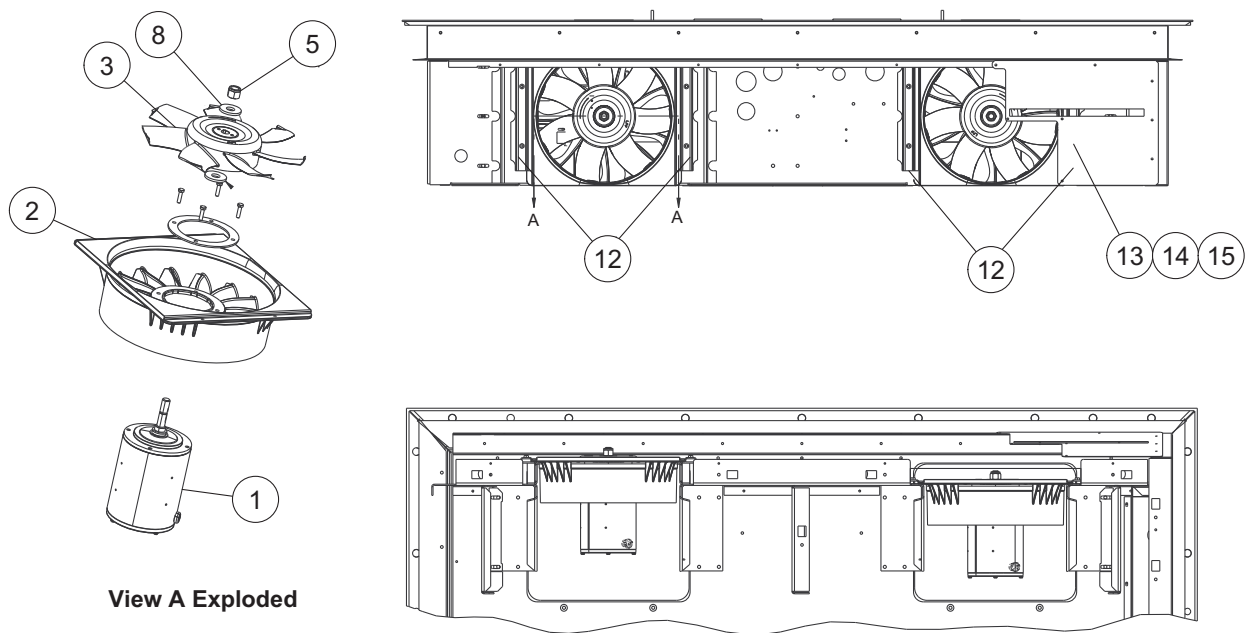
**Receiver Brazed Assembly  
with Pressure Relief Valve**

| Item | Part Number       | Description                                                             | Qty |
|------|-------------------|-------------------------------------------------------------------------|-----|
| 1    | 81-04410-00       | Economizer Tube Assembly                                                | 1   |
| 8    | 66-U---1--5361-25 | Screw, Cap Hxhd                                                         | A/R |
| 9    | 66-U---1--5321-7  | Washer, Plain                                                           | A/R |
| 10   | 34-06053-05       | Washer                                                                  | A/R |
| 11   | 34-06053-00       | Washer                                                                  | A/R |
| 12   | 44-00370-04       | Clamp, Cushioned                                                        | 2   |
| 29   | 66-U---1--5371-6  | Screw, Mach Hxhd                                                        | A/R |
| 32   | 56-09872-00       | Tube                                                                    | 1   |
| 33   | 44-00370-03       | Clamp, Cushioned                                                        | 1   |
| 35   | 14-00464-20       | Filter Drier                                                            | 1   |
| 36   | 14-00222-05       | King Valve / Liquid Line Valve                                          | 1   |
| 37   | 40-00542-01       | Elbow, High Pressure                                                    | 1   |
|      | 40-00855-01       | Elbow, High Pressure (R1234yf-charged units)                            | 1   |
| 40   | 34-66698-00       | Clamp, Tube                                                             | 1   |
| 43   | 65-00233-00       | Receiver Assembly                                                       | 1   |
|      |                   | <u>Note:</u> Does not include Pressure Relief Valve. See item 232 below |     |
|      | 14-00468-22       | Sightglass                                                              | 1   |
|      | 14-00469-22       | Indicator, Sightglass                                                   | 1   |
| 50   | 40-00520-03       | Cap, Charge Port                                                        | 1   |
|      | 40-00812-03       | Cap, Charge Port (R1234yf-charged units)                                | 1   |

| 9 Condenser Assembly |             |                                               |   |
|----------------------|-------------|-----------------------------------------------|---|
| 60                   | 79-04318-00 | Cover Assembly, Condenser                     | 1 |
| 62                   | 68-18808-00 | Cover, Receiver                               | 1 |
| 65                   | 68-19189-00 | Bracket                                       | 1 |
| 93                   | 56-09824-00 | Tube, Liquid                                  | 1 |
| 94                   | 14-00464-40 | O-Ring for Filter Drier                       | 2 |
| 100                  | 81-04237-20 | Condenser Coil                                | 1 |
| 112                  | 42-00032-13 | Insulation                                    | 2 |
| 128                  | 14-00393-10 | Economizer Expansion Valve (ECV) Coil, 12 VDC | 1 |
| 139                  | 42-00667-33 | Insulation, Tube                              | 1 |
| 140                  | 42-00667-37 | Insulation, Tube                              | 2 |
| 141                  | 42-00667-36 | Insulation, Tube                              | 1 |
| 142                  | 42-00667-28 | Insulation, Tube                              | 1 |
| 144                  | 42-00667-39 | Insulation, Tube                              | 1 |
| 150                  | 42-00384-02 | Seal, 1 1/4-12 Rotolock                       | 1 |
| 151                  | 42-00667-34 | Insulation, Tube                              | 1 |
| 152                  | 42-00667-35 | Insulation, Tube                              | 1 |
| 153                  | 42-00667-49 | Insulation, Tube                              |   |
| 200                  | 40-66628-15 | Coupling                                      | 1 |
| 204                  | 79-04451-00 | Economizer Brazed Plate Assembly              | 1 |
|                      | 14-00393-03 | Economizer Expansion Valve (ECV) Body         |   |
| 220                  | 12-00352-11 | Economizer Pressure Transducer (ECP)          | 1 |
| 223                  | 42-66662-00 | Gasket                                        | 1 |
| 224                  | 34-06295-04 | Washer, Fender                                | 2 |
| 232                  | 14-00476-20 | Pressure Relief Valve (PRV). Includes:        | 1 |
|                      | 14-00476-00 | PRV                                           | 1 |
|                      | 42-00805-06 | O-Ring, PRV                                   | 1 |

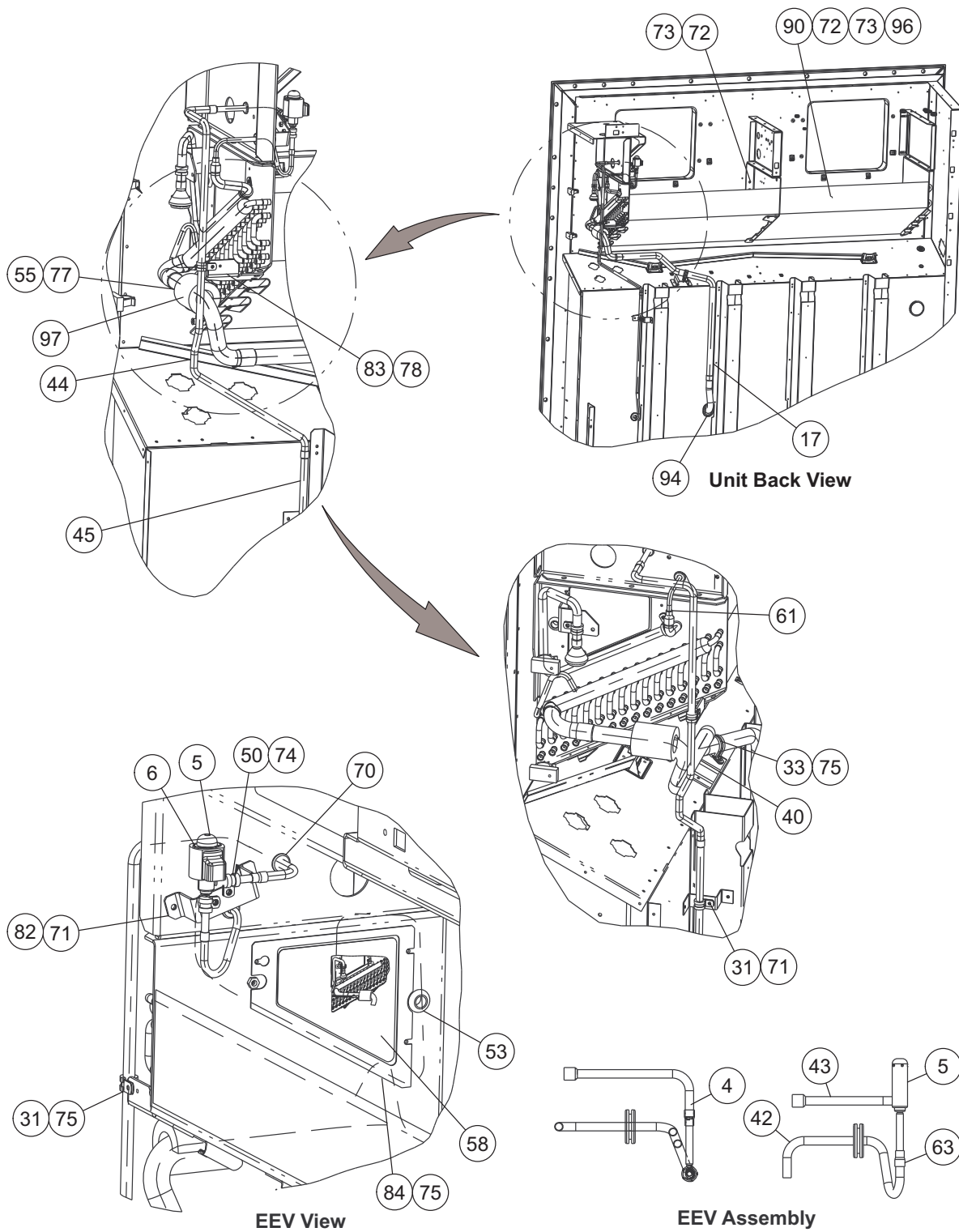


## 10 Evaporator Fan and Motor



| Item | Part Number      | Description                               | Qty |
|------|------------------|-------------------------------------------|-----|
| 1    | 54-00648-20      | Evaporator Fan Motor                      | 2   |
| 2    | 76-66683-00      | Service Kit for Polymer Evaporator Stator | 2   |
| 3    | 38-00626-00      | Evaporator Fan                            | 2   |
| 5    | 34-00795-17      | Nut, Self Lock                            | 2   |
| 8    | 34-00616-06      | Washer, Special 5/8, 18-8                 | 4   |
| 12   | 69NT--43---295   | Bracket Assembly                          | 4   |
| 13   | 34-00655-08      | Screw, Cap Hex Head 1/4-20 X 1.00         | 4   |
| 14   | 34-00663-11      | Washer, Lock 1/4 Spring                   | 4   |
| 15   | 69NT--35--2692-1 | Washer, Fender 1/4                        | 4   |

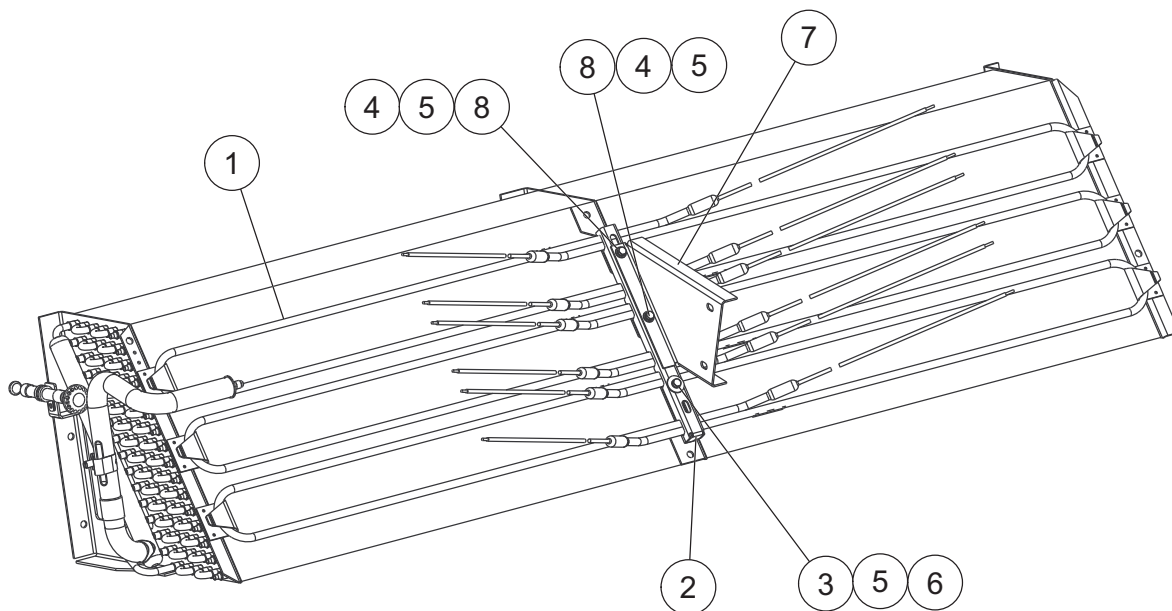
## 11 Evaporator Tubing and Coil



## 11 Evaporator Tubing and Coil

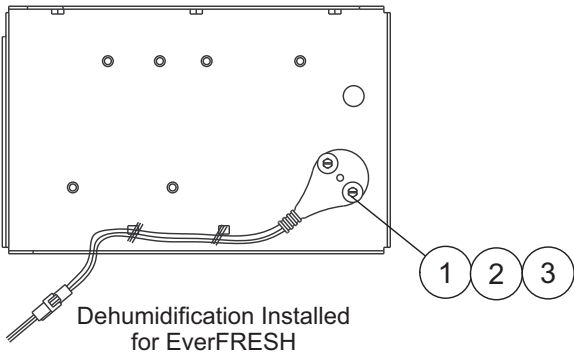
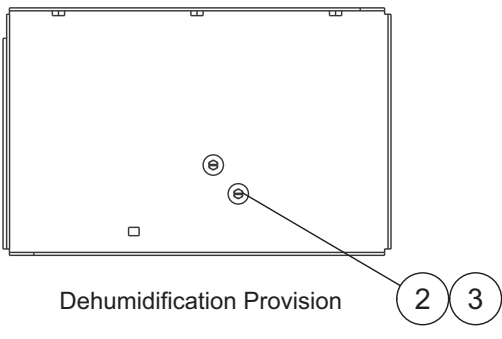
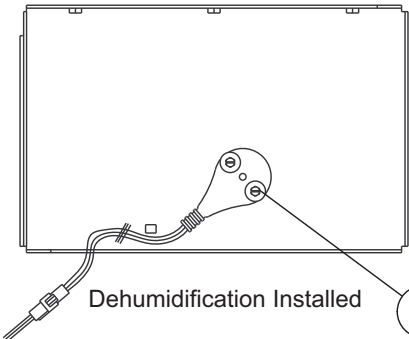
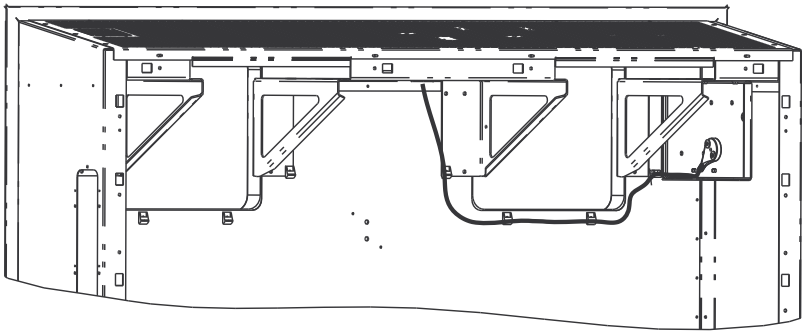
| Item | Part Number       | Description                                 | Qty |
|------|-------------------|---------------------------------------------|-----|
| 4    | 14-00176-01       | Strainer 100 Mesh                           | 1   |
| 5    | 14-00393-02SV     | Electronic Expansion Valve (EEV), Body      | 1   |
| 6    | 14-00393-10       | Electronic Expansion Valve (EEV), Coil      | 1   |
| 31   | 44-00370-03       | Clamp, Cushioned                            | 2   |
| 33   | 44-00370-08       | Clamp, Cushioned                            | 1   |
| 40   | 56-09868-00       | Tube, Suction                               | 1   |
| 42   | 56-09141-00       | Tube                                        | 1   |
| 43   | 56-09087-00       | Tube, Liquid                                | 1   |
| 44   | 56-09726-00       | Tube, Liquid                                | 1   |
| 45   | 56-09725-00       | Tube, Liquid                                | 1   |
| 50   | 34-00373-52       | Clamp, Tube                                 | 2   |
| 53   | 66-U---1--1571-3  | Grommet                                     | 1   |
| 55   | 42-00425-109      | Insulation, Tube Pre-Taped                  | 1   |
| 58   | 62-11750-00       | Label Sensor Replacement                    | 1   |
| 61   | 40-66629-00       | Bushing                                     | 1   |
| 63   | 40-66628-03       | Coupling                                    | 2   |
| 70   | 58-00065-14       | Grommet                                     | 2   |
| 71   | 66-U---1--5371-6  | Screw, Machine Hex Head                     | 3   |
| 72   | 66-U---1--5321-3  | Washer, Plain 1/4 N Type A                  | 15  |
| 73   | 66-U---1--5361-25 | Screw, Cap Hex Head 1                       | 13  |
| 74   | 66-U---1--5371-7  | Screw, Machine Hex Head                     | 2   |
| 75   | 66-U---1--5381-1  | Screw, Hex Head                             | 5   |
| 78   | 66-U---1--5381-4  | Screw, Hex Head Sltd                        | 2   |
| 82   | 68-16892-00       | Bracket                                     | 1   |
| 83   | 68-17578-00       | Bracket                                     | 1   |
| 84   | 68-17089-00       | Plate, Cover                                | 1   |
| 90   | 81-04350-20       | Evaporator Coil                             | 1   |
| 94   | 58-66796-00       | Grommet                                     | 1   |
| 96   | 34-00663-11       | Washer, Lock 1/4 Spring                     | 11  |
| 97   | 12-00500-01SV     | Evaporator Temperature Sensor (ETS1 / ETS2) | 1   |

## 12 Heaters



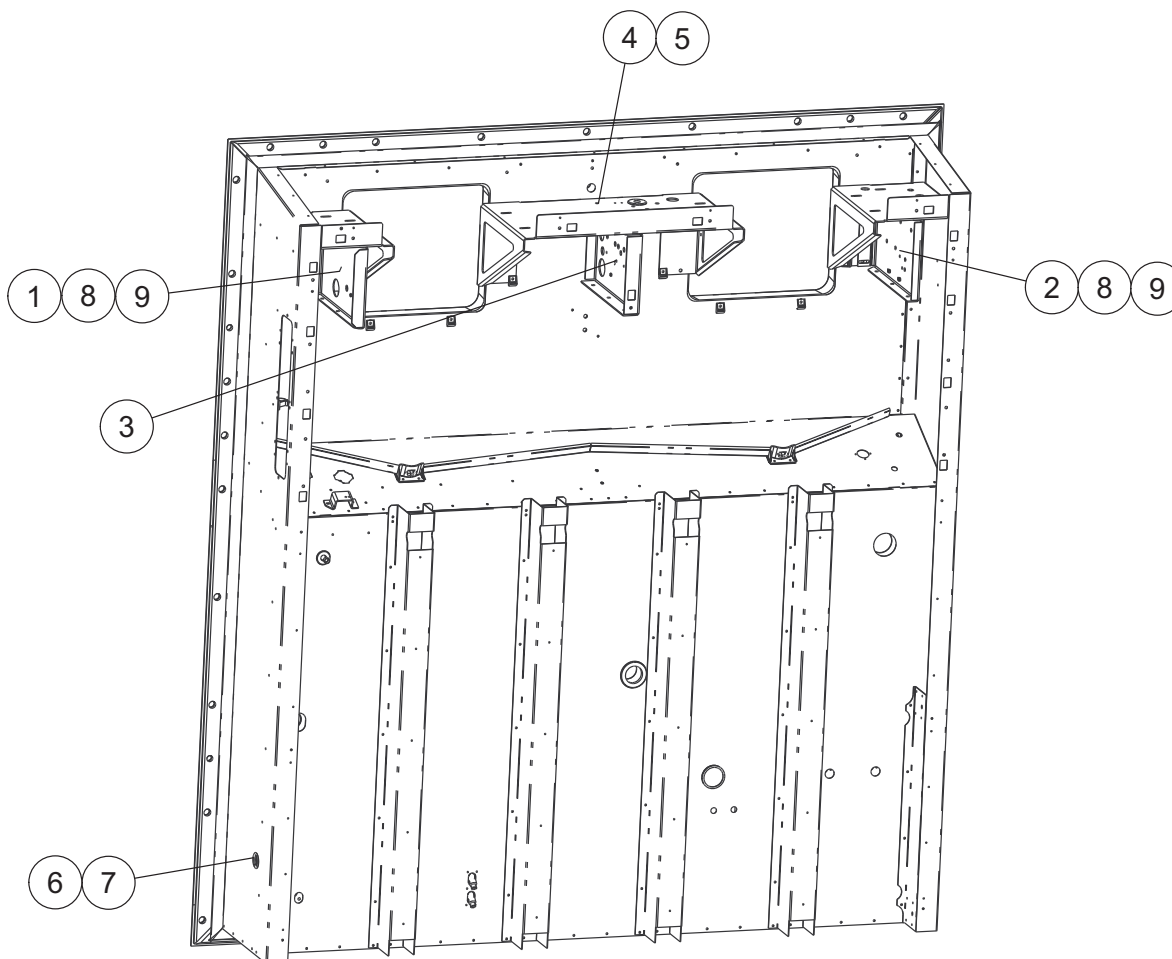
| Item | Part Number      | Description         | Qty |
|------|------------------|---------------------|-----|
| 1    | 24-00006-20      | Heater, 750W        | 6   |
| 2    | 86-04956-00      | Retainer Assembly   | 1   |
| 3    | 69NT--35--2692-1 | Washer, Fender      | 1   |
| 4    | 66-U---1-5361-11 | Screw, Cap Hex Head | A/R |
| 5    | 34-00663-11      | Washer, Lock        | A/R |
| 6    | 34-00655-10      | Screw, Cap Hex Head | 1   |
| 7    | 68-18032-00      | Bracket             | 1   |
| 8    | 66-U---1--5321-3 | Washer, Plain       | A/R |

13 Humidity Sensor



| Item | Part Number       | Description                                                   | Qty |
|------|-------------------|---------------------------------------------------------------|-----|
| 1    | 76-00675-04       | Humidity Sensor (HS) Assembly Kit; Includes 76-66694-00 below | 1   |
|      | 76-66694-00       | Humidity Sensor (HS) Kit, Sensor and Bracket only             | 1   |
| 2    | 66-U---1--5371-10 | Screw, Machine Hex Head #10-24 X 1.00                         | 2   |
| 3    | 66-U---1--5321-8  | Washer, Plain #10 Type A                                      | 2   |

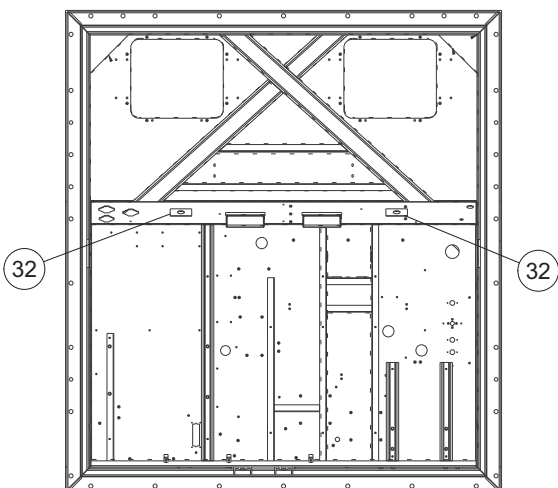
## 14 Frame Kit



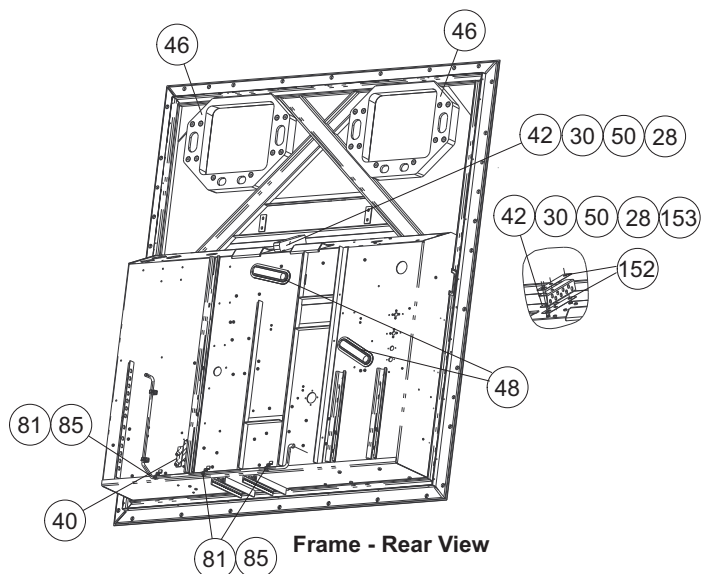
| Item | Part Number       | Description                               | Qty |
|------|-------------------|-------------------------------------------|-----|
| 1    | 68-17845-03       | Panel                                     | 1   |
| 2    | 79-66747-00       | Panel Assembly Coil Extension             | 1   |
|      | 79-66747-02       | Panel Assembly Coil Extension (EverFRESH) | 1   |
| 3    | 68-17145-08       | Panel Assembly Coil Extension             | 1   |
|      | 68-17145-13       | Panel Assembly Coil Extension (EverFRESH) | 1   |
| 4    | 66-U---1--5321-3  | Washer, Plain                             | 9   |
| 5    | 66-U---1--5361-25 | Screw, Cap HXHD                           | 9   |
| 7    | 66-U---1--5562-2  | Plug, Button                              | 1   |
| 8    | 69NT--35--2692-1  | Washer, Fender                            | 4   |
| 9    | 34-00655-10       | Screw, Cap HXHD                           | 4   |



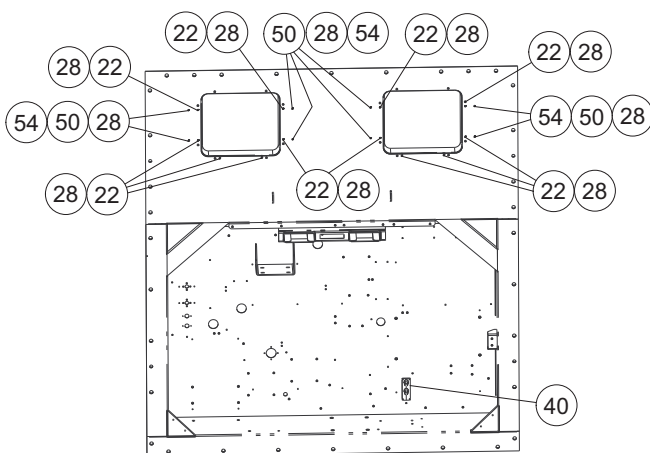
## 15 Frame Assembly



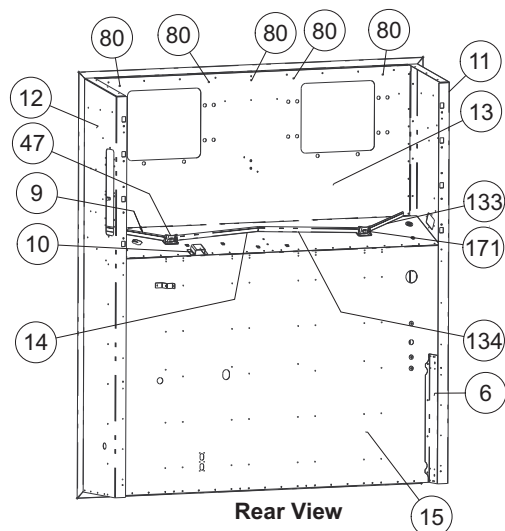
Frame - Rear View



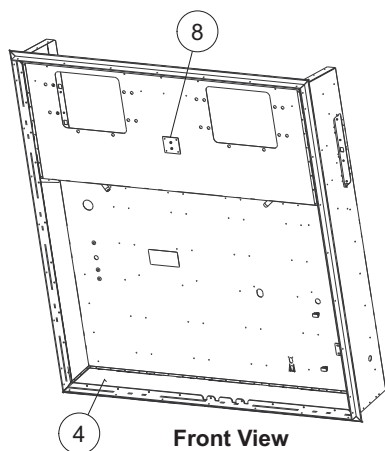
Frame - Rear View



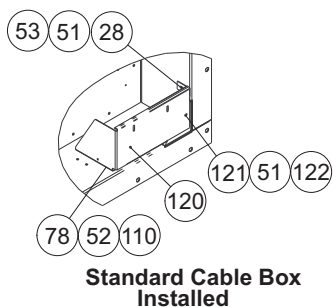
Frame - Front View



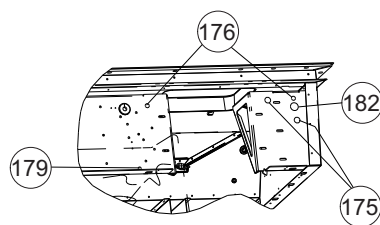
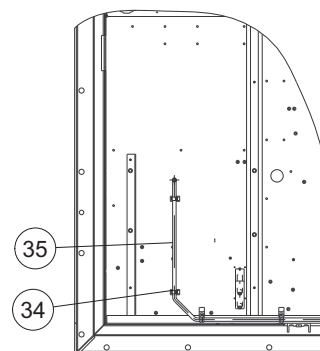
Rear View



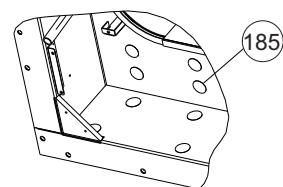
Front View



Standard Cable Box Installed



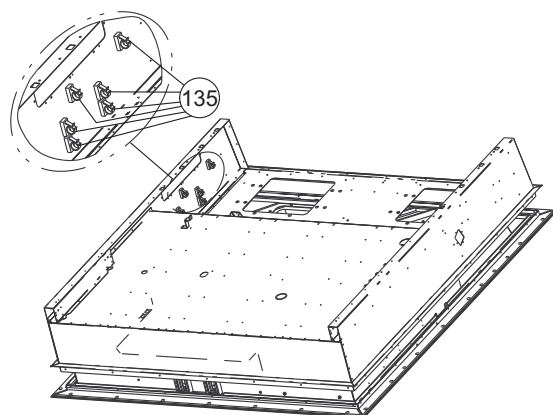
EverFRESH Provision



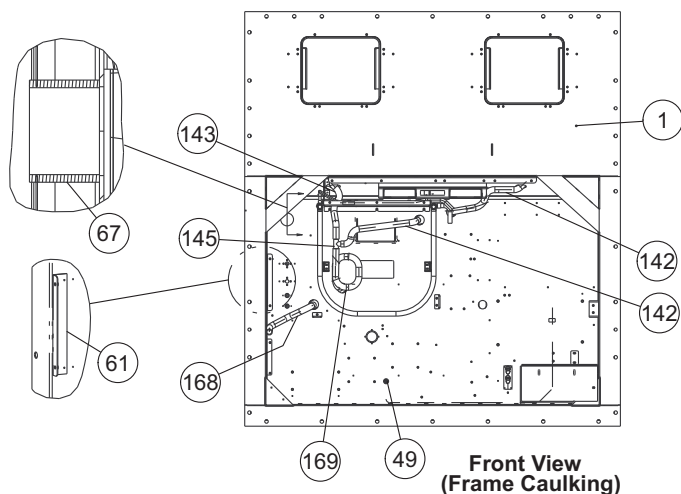
EverFRESH Provision



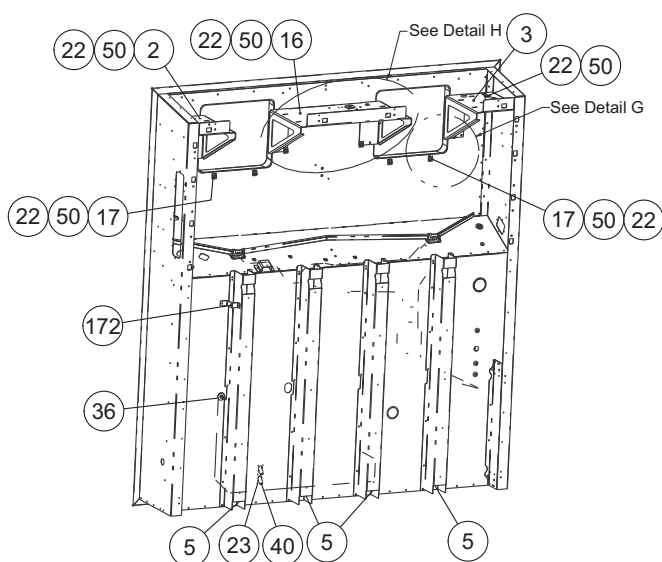
## 15 Frame Assembly



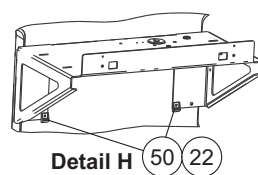
### Rear View (Skin to Frame Assembly)



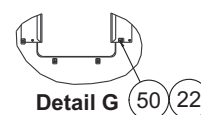
### Front View (Frame Caulking)



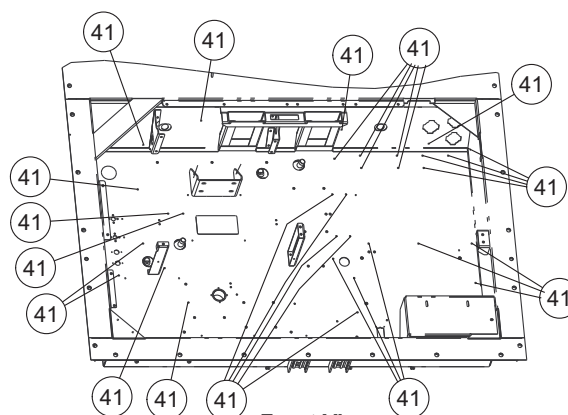
**Rear View  
(Standoff & Fan Deck Assembly)**



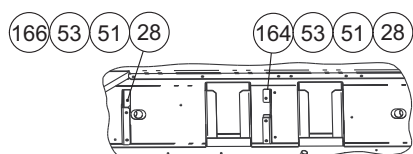
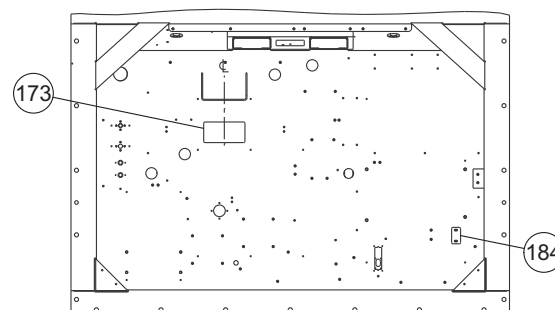
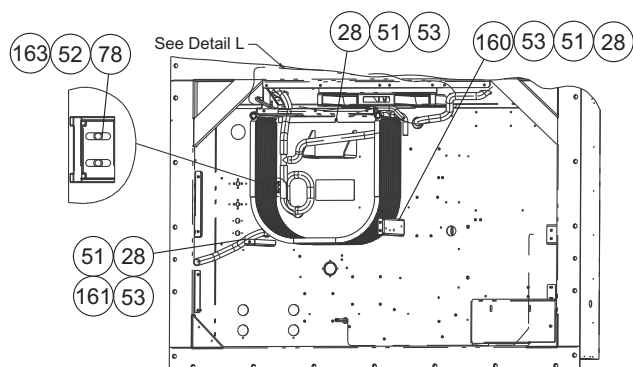
**Detail H** 50 22



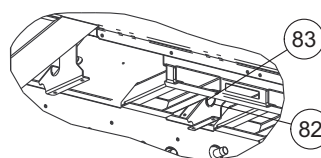
**Detail G** (50)(22)



### Front View



### Detail L



### Detail L

| 15 Frame Assembly |                  |                                                                     |     |
|-------------------|------------------|---------------------------------------------------------------------|-----|
| Item              | Part Number      | Description                                                         | Qty |
| 1                 | 86-05571-00      | Frame Assembly (Vacuum Relief Valve Installed)                      | 1   |
|                   | 86-05571-04      | Frame Assembly (Vacuum Relief Valve Installed, EverFRESH Provision) | 1   |
|                   | 86-05571-05      | Frame Assembly                                                      | 1   |
| 2                 | 68-16696-00      | Fan Deck Assembly, Left Side                                        | 1   |
| 3                 | 68-86542-04      | Fan Deck Assembly, Right Side                                       | 1   |
|                   | 68-86542-07      | Fan Deck Assembly, Right Side (EverFRESH Provision)                 | 1   |
| 4                 | 68-86552-02      | Panel, Bottom                                                       | 1   |
| 5                 | 68-17947-04      | Standoff, Air Duct                                                  | 4   |
| 6                 | 68-18042-00      | Zee                                                                 | 2   |
| 8                 | 68-17154-00      | Nut Plate Assembly                                                  | 1   |
| 9                 | 68-17188-00      | Gutter                                                              | 1   |
| 10                | 68-19369-00      | Bracket                                                             | 1   |
| 11                | 68-86554-00      | Channel, Evaporator Skin                                            | 1   |
|                   | 68-86554-03      | Channel, Evaporator Skin (EverFRESH Provision)                      | 1   |
| 12                | 68-86553-02      | Channel, Evaporator Skin                                            | 1   |
| 13                | 68-18804-00      | Panel, Evaporator Skin (SST Spacer)                                 | 1   |
|                   | 68-18804-02      | Panel, Evaporator Skin (Wood Spacer)                                | 1   |
| 14                | 68-17345-00      | Gutter                                                              | 1   |
| 15                | 68-19506-00      | Panel, Air Duct (Vacuum Relief Valve Installed)                     | 1   |
|                   | 68-19506-02      | Panel, Air Duct                                                     | 1   |
| 16                | 68-17419-05      | Fan Deck Assembly                                                   | 1   |
|                   | 68-17419-09      | Fan Deck Assembly (EverFRESH Provision)                             | 1   |
| 17                | 69NT--35--2692-1 | Washer, Fender                                                      | 4   |
| 22                | 34-00655-10      | Screw, Cap Hxhd                                                     | A/R |
| 28                | 34-06053-00      | Washer                                                              | A/R |
| 30                | 34-06269-12      | Screw, Lag (with Spacer 58-04508-10)                                | 2   |
|                   | --AA--06JA-170   | Screw, Cap Hxhd (with Spacer/Channel 68-86425-00)                   | 2   |
| 32                | 42-00570-00      | Gasket                                                              | 2   |
| 34                | 44-66608-01      | Clip, Retaining                                                     | 2   |
| 35                | 56-09065-00      | Tube, Liquid                                                        | 1   |
| 36                | 58-00065-56      | Grommet                                                             | 1   |
| 40                | 58-04276-00      | Holder, Supply Probe                                                | 1   |
| 41                | 58-04316-00      | Base, Mounting                                                      | A/R |
| 42                | 58-04508-10      | Spacer, Wood                                                        | 1   |
|                   | 68-86425-00      | Spacer/Channel                                                      | 1   |
| 46                | 58-04935-00      | Spacer                                                              | 2   |
| 47                | 58-04968-00      | Fitting, Drain Tube                                                 | 1   |
| 48                | 58-04990-00      | Fitting, Drain                                                      | 2   |
| 49                | 66-U---1--1571-3 | Grommet                                                             | 1   |
| 50                | 66-U---1--5321-3 | Washer, Plain                                                       | A/R |

| 15 Frame Assembly |                   |                                                |     |
|-------------------|-------------------|------------------------------------------------|-----|
| 51                | 66-U---1--5321-7  | Washer, Plain                                  | A/R |
| 52                | 66-U---1--5321-8  | Washer, Plain                                  | A/R |
| 53                | 66-U---1--5361-25 | Screw, Cap Hxhd                                | A/R |
| 54                | 66-U---1--5361-47 | Bolt, Mach Hxhd                                | A/R |
| 61                | 68-17118-00       | Bracket                                        | 1   |
| 67                | 58-66635-00       | Collar, MCI Valve                              | 1   |
| 78                | 66-U---1--5371-6  | Screw, Mach Hxhd                               | 7   |
| 80                | 58-04315-00       | Base, Mounting                                 | 5   |
| 81                | 44-00370-03       | Clamp, Cushioned                               | 3   |
| 82                | 66CH---1--1172-2  | Trim, Flexible                                 | 1   |
| 83                | 66CH---1--1172-43 | Trim, Flexible                                 | 1   |
| 85                | 66-U---1--5371-7  | Screw, Mach Hxhd                               | 3   |
| 110               | 34-06053-05       | Washer                                         | 2   |
| 120               | 68-17939-00       | Guard                                          | 1   |
| 121               | 34-00792-07       | Screw, Cap Hxhd                                | 1   |
| 122               | 34-06053-15       | Washer                                         | 1   |
| 133               | 68-17958-00       | Gutter                                         | 1   |
| 134               | 68-17959-00       | Gutter                                         | 1   |
| 135               | 44-00361-01       | Clip, Retaining                                | 6   |
| 142               | 58-04539-16       | Tube, Flexible                                 | 2   |
| 143               | 58-04539-25       | Tube, Flexible                                 | 1   |
| 145               | 58-04202-02       | Tee                                            | 1   |
| 152               | 58-66782-00       | Protector (with Spacer/Channel 68-86425-00)    | 2   |
| 153               | 34-00663-11       | Washer, Lock (with Spacer/Channel 68-86425-00) | 2   |
| 160               | 86-05387-01       | Bracket, Weld                                  | 1   |
| 161               | 68-17196-00       | Bracket                                        | 1   |
| 163               | 58-05064-00       | Guide                                          | 2   |
| 164               | 68-18285-00       | Bracket                                        | 1   |
| 166               | 68-18286-02       | Bracket                                        | 1   |
| 168               | 58-04539-26       | Tube, Flexible                                 | 1   |
| 169               | 58-04539-24       | Tube, Flexible                                 | 1   |
| 171               | 58-04968-03       | Fitting, Drain Tube                            | 1   |
| 172               | 68-18031-00       | Bracket                                        | 1   |
| 173               | 58-04026-38       | Protector                                      | 1   |
| 175               | 58-00616-13       | Plug, Hole                                     | 2   |
| 176               | 58-00616-05       | Plug, Hole                                     | 2   |
| 179               | 58-00616-19       | Plug, Hole                                     | 1   |
| 182               | 58-00616-20       | Plug, Hole                                     | 1   |
| 185               | 58-04026-153      | Protector                                      | 8   |
| 184               | 58-04026-07       | Protector                                      | 1   |

## 16 Controller Module, Electronics, Tools

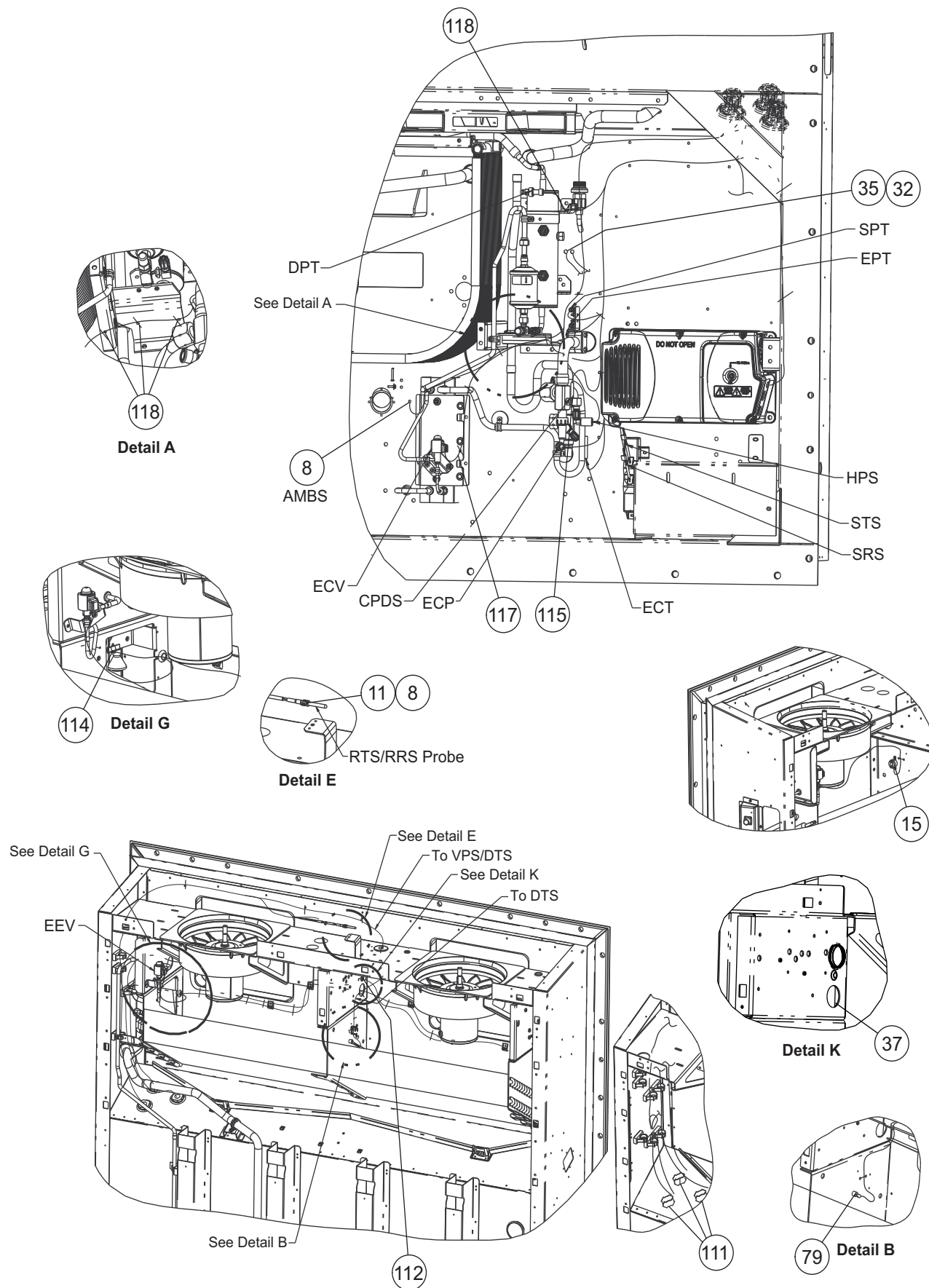


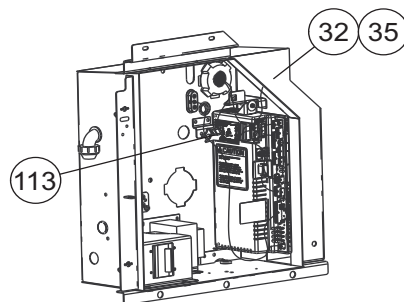
| Item                                      | Part Number | Description                                                        | Qty |
|-------------------------------------------|-------------|--------------------------------------------------------------------|-----|
| <b>Controller</b>                         |             |                                                                    |     |
| 1                                         | 12-55016    | Controller Module, ML5                                             | 1   |
| 2                                         | 22-02336-08 | Fuse, 7.5 Amp (F1, F2, F3, F4)                                     | 4   |
| NS                                        | 09-00375-00 | Battery, Real Time Clock, (Within the Controller)                  | 1   |
| 3                                         | 76-50256-00 | Controller System Test Harness                                     | 1   |
|                                           | 22-50485-00 | Test Harness CA                                                    | 1   |
|                                           | 22-50486-00 | Test Harness CC                                                    | 1   |
|                                           | 22-50487-00 | Test Harness ME                                                    | 1   |
| <b>Software Uploading and Downloading</b> |             |                                                                    |     |
| 4                                         | 12-50173-00 | Micro Flash Drive, USB-A to Micro USB-B Flash Drive                | 1   |
| 5                                         | 12-00822-00 | USB Flash Drive, USB-A Flash Drive (requires adapter cable)        | 1   |
| 6                                         | 22-50482-00 | Adapter Cable 6", USB-A to Micro USB-B (requires US-A flash drive) | 1   |
| NS                                        | 22-50481-00 | USB Cable 15', PC to ML5, A Female to 5 Pin B Micro Male           | 1   |
| NS                                        | 22-50480-00 | USB Cable 6', PC to ML5, A Male to 5 Pin B Micro Male              | 1   |

## 16 Controller Module, Electronics, Tools

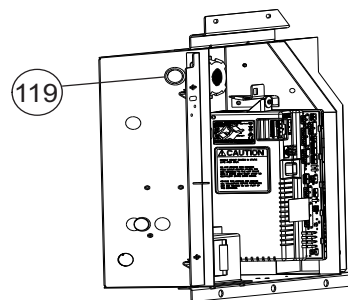
| Display, Keypad, ST Switch                                                                                                                                                                              |               |                                                                     |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------|---|
| 7                                                                                                                                                                                                       | 12-00433-09RP | Display Module                                                      | 1 |
| 8                                                                                                                                                                                                       | 79-66669-05   | Key Pad Assembly                                                    | 1 |
| NS                                                                                                                                                                                                      | 10-01129-07SV | Toggle Switch Start / Stop (ST)                                     | 1 |
| Other Tools                                                                                                                                                                                             |               |                                                                     |   |
| NS                                                                                                                                                                                                      | 07-00176-11   | Vacuum Pump, Dual Voltage/Dual Frequency                            | 1 |
| NS                                                                                                                                                                                                      | 07-00477-00   | Inspection Mirror                                                   | 1 |
| NS                                                                                                                                                                                                      | 07-00228-00   | Multimeter, Digital                                                 | 1 |
| NS                                                                                                                                                                                                      | 07-00229-00   | Amprobe Clamp (Used with 07-00228-00)                               | 1 |
| NS                                                                                                                                                                                                      | 07-00238-00   | Wrench, Service Valve                                               | 1 |
| NS                                                                                                                                                                                                      | 07-00243-10   | Multimeter, Digital (Fluke)                                         | 1 |
| NS                                                                                                                                                                                                      | 07-00569-00   | Kit, Static Dissipative (Used for Working on Electronic Components) | 1 |
| NS                                                                                                                                                                                                      | 07-00304-00   | Ground Strap, Wrist (Used for Working on Electronic Components)     | 1 |
| NS                                                                                                                                                                                                      | 07-00294-00   | Gauge Set, Manifold - Fahrenheit / PSI                              | 1 |
| NS                                                                                                                                                                                                      | 07-00294-05   | Gauge Set, Manifold - Centigrade / KPa                              | 1 |
| NS                                                                                                                                                                                                      | 07-00295-00   | Detector, Leak                                                      | 1 |
| <p><b>Note:</b> For a complete list of tools in Carrier's performance parts catalog, refer to document <a href="#">62-03213</a> located on the Carrier Container website in the literature section.</p> |               |                                                                     |   |

## 17 Controller Kit

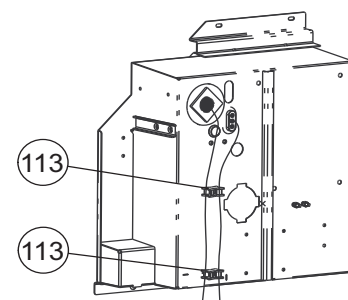
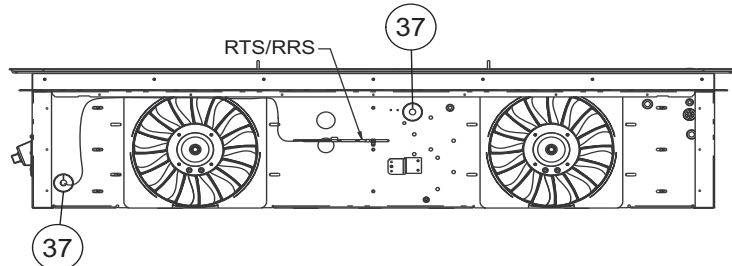




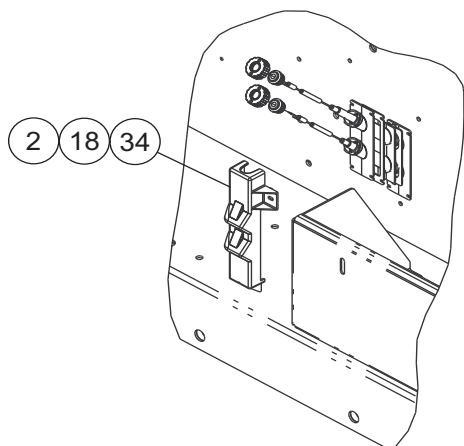
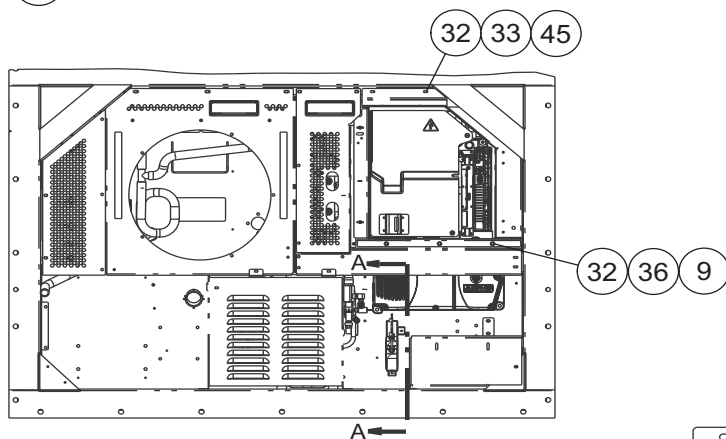
Control Box - Front View



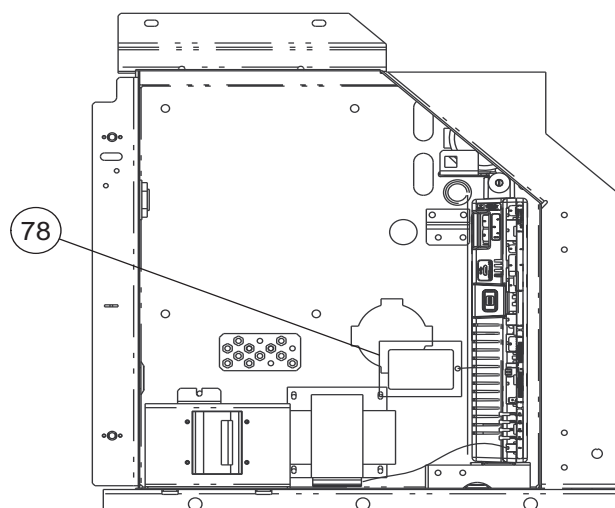
Control Box - Front View



Control Box - Rear View



Section A-A



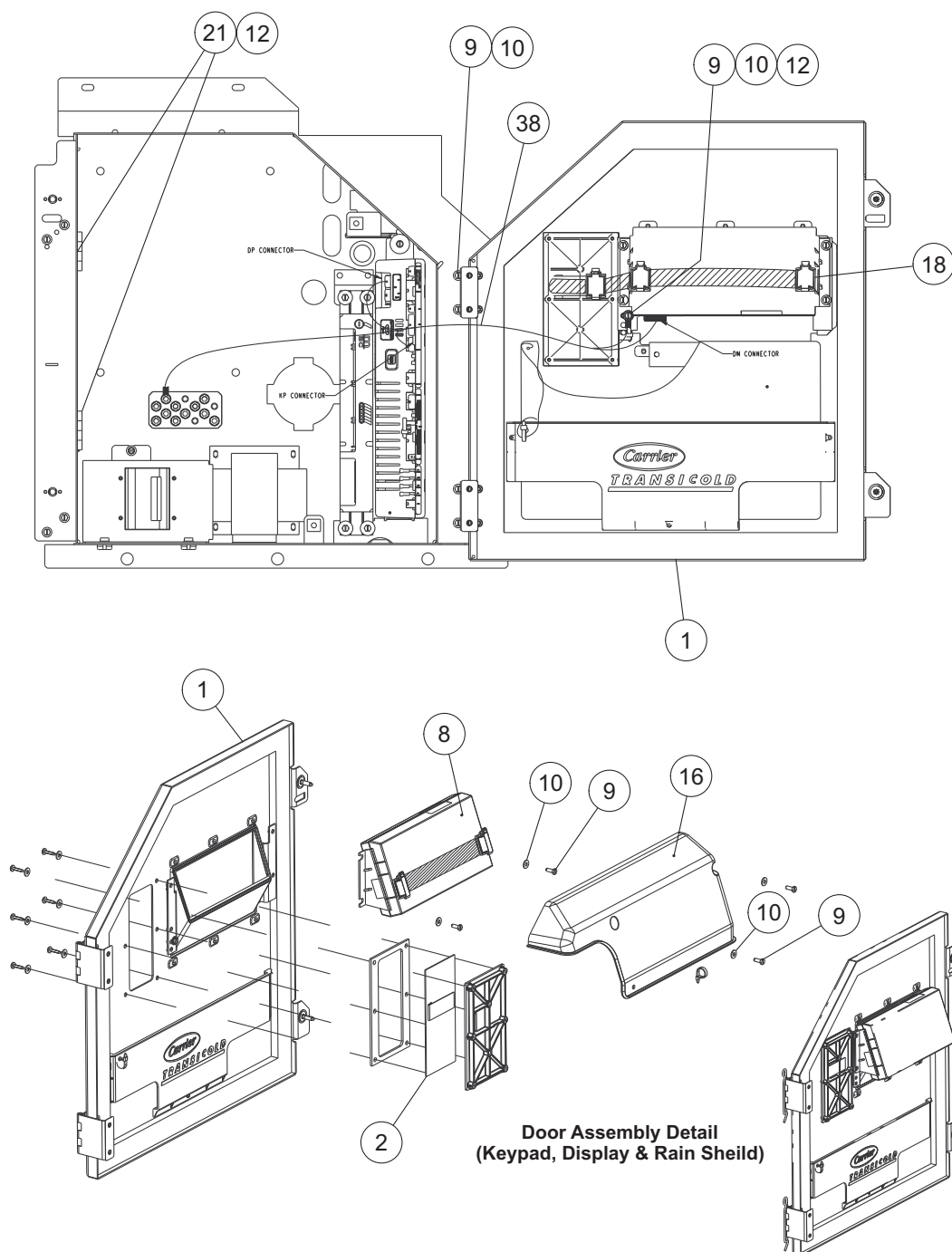
**17 Controller Kit**

| Item | Part Number       | Description             | Qty |
|------|-------------------|-------------------------|-----|
| 2    | 58-04279-00       | Cover, Probe            | 1   |
| 8    | 66-U---1--5371-6  | Screw, Machine Hex Head | 2   |
| 9    | 34-06053-03       | Washer                  | 3   |
| 11   | 44-01041-04       | Clamp, Cushioned        | 1   |
| 15   | 34-01178-22       | Screw, Hex Head         | 2   |
| 18   | 66-U---1--5371-7  | Screw, Machine Hex Head | 2   |
| 32   | 66-U---1--5361-25 | Screw, Cap Hex Head     | 8   |
| 33   | 66-U---1--5321-7  | Washer, Plain           | 2   |
| 34   | 66-U---1--5321-8  | Washer, Plain           | 2   |
| 35   | AU27JR171         | Washer, Lock            | 3   |
| 36   | 69NT--35--2692-1  | Washer, Fender          | 3   |
| 37   | 58-04273-00       | Grommet                 | 3   |
| 45   | 34-06053-00       | Washer                  | 2   |
| 78   | 62-11270-26       | Label, Warning          | 1   |
|      | 62-11270-33       | Label, Warning (NT4019) | 1   |
| 79   | 34-01178-23       | Screw, Tc Hex Head      | 1   |
| 111  | 42-66008-01       | Foam Strip              | 3   |
| 112  | 66-U---1--1571-33 | Grommet                 | 1   |
| 113  | 58-05169-00       | Spacer                  | 3   |
| 114  | 66CH---1--1172-26 | Trim, Flexible          | 1   |
| 115  | 42-00032-16       | Insulation              | 2   |
| 117  | 58-04321-31       | Tube, Slit              | 1   |
| 118  | 58-04316-00       | Base, Mounting          | 4   |
| 119  | 58-00701-14       | Button, Plug            | 1   |





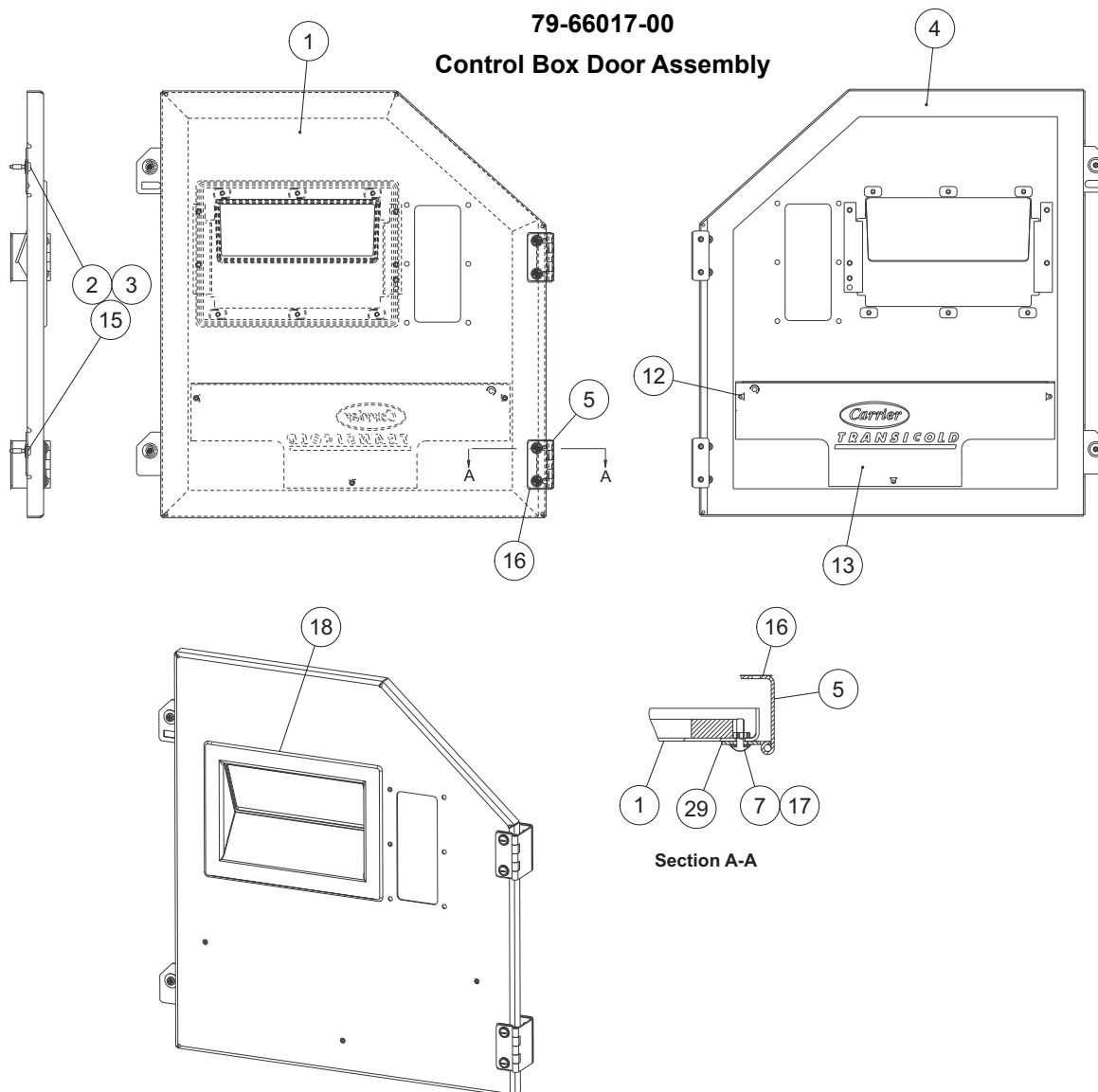
## 18 Control Box Door Kit



| Item | Part Number      | Description                                        | Qty |
|------|------------------|----------------------------------------------------|-----|
| 1    | 79-66017-00      | Control Box Door Assembly (See assembly next page) | 1   |
| 2    | 79-66669-05      | Key Pad Assembly                                   | 1   |
| 8    | 12-00433-09RP    | Display Module                                     | 1   |
| 9    | 66-U---1--5371-7 | Screw, Machine Hex Head #10-24 X 0.500             | A/R |
| 10   | 66-U---1--5321-8 | Washer, Plain #10 Type A                           | A/R |
| 12   | AU27JR131        | Washer, Lock #10 Ext Tooth                         | 3   |
| 16   | 58-05145-00      | Rain Shield                                        | 1   |
| 18   | 44-00391-00      | Clamp                                              | 2   |
| 21   | 66-U---1--2403   | Screw, Machine #10-24 X 0.500                      | 2   |
| 38   | 22-01713-56      | Display Harness                                    | 1   |

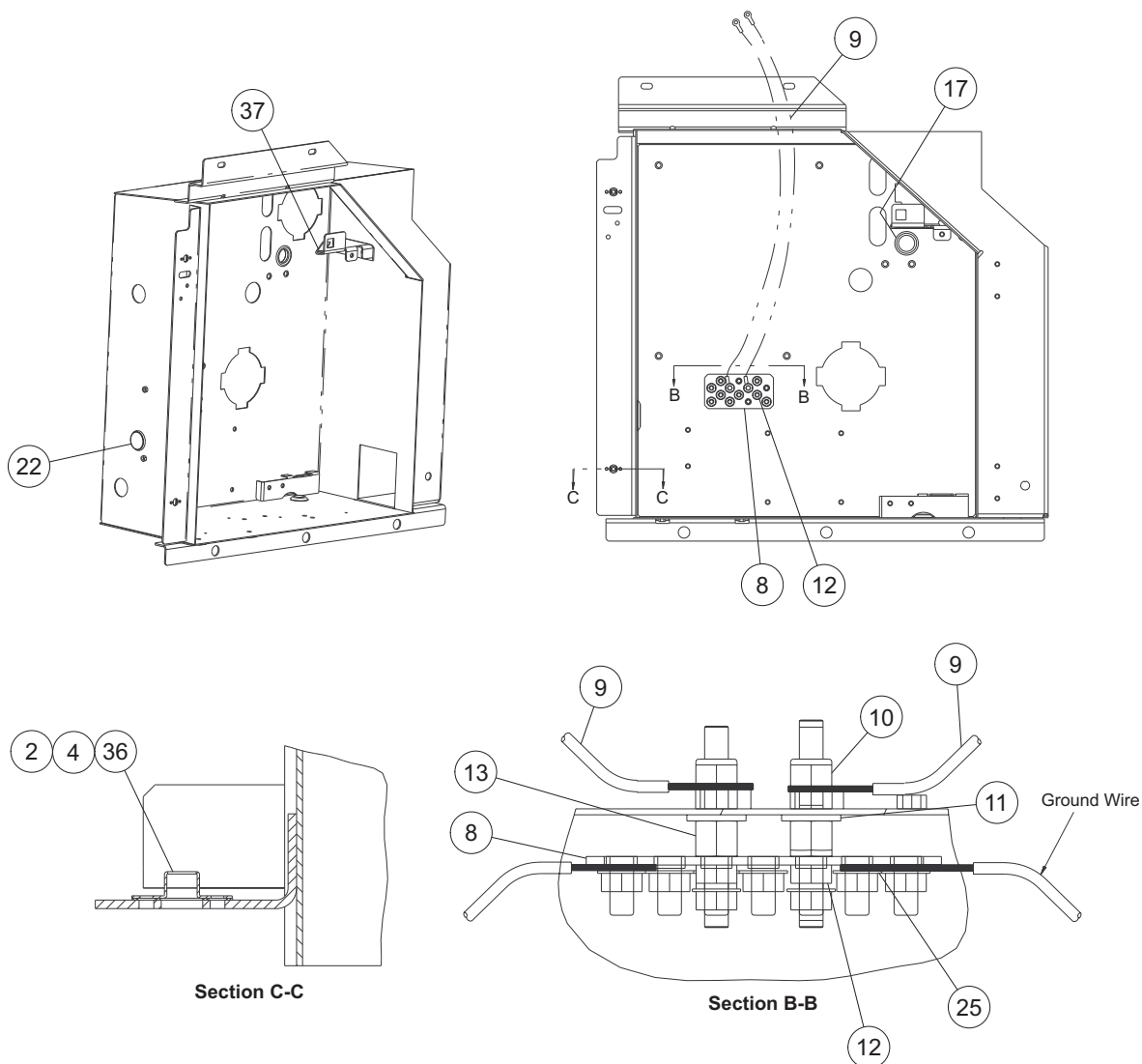
## 18 Control Box Door Kit

**79-66017-00**  
**Control Box Door Assembly**



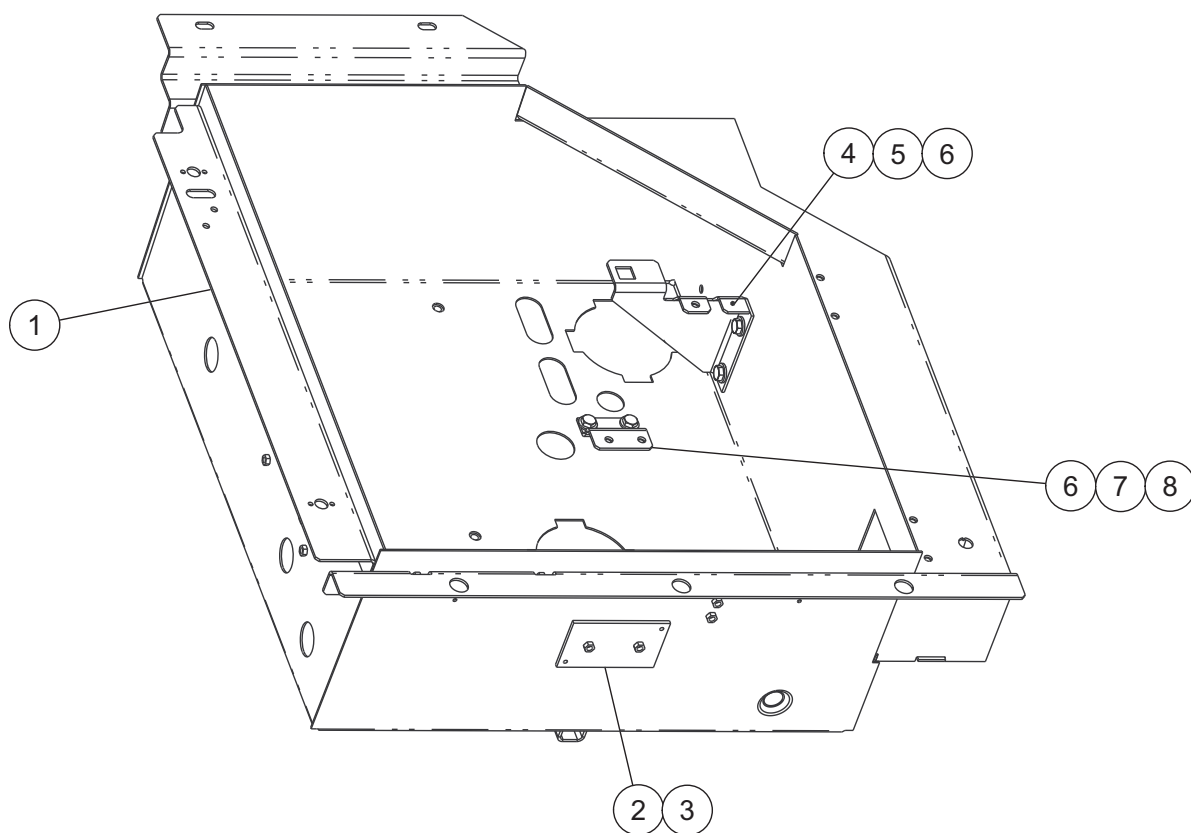
| Item | Part Number      | Description                | Qty |
|------|------------------|----------------------------|-----|
|      | 79-66017-00      | Control Box Door Assembly: | 1   |
| 1    | 86-66756-00      | Door, Control Box          | NSS |
| 2    | 34-66687-11      | Screw, Retaining           | 2   |
| 3    | 34-06169-00      | Washer, Retaining          | 2   |
| 4    | 42-00741-00      | Gasket                     | 1   |
| 5    | 44-00477-00      | Hinge                      | 2   |
| 7    | 66-U---1--2403-1 | Screw, Mach Trhd           | 4   |
| 12   | 34-06107-00      | Rivet, Blind               | 3   |
| 13   | 58-04954-00      | Pocket                     | 1   |
| 15   | 34-06053-00      | Washer                     | 4   |
| 16   | 58-04101-02      | Protector                  | 2   |
| 12   | 34-06053-05      | Washer                     | 4   |
| 13   | 58-04366-00      | Window                     | 1   |
| 14   | 58-04101-00      | Protector                  | 2   |

## 19 Control Box Prep Kit



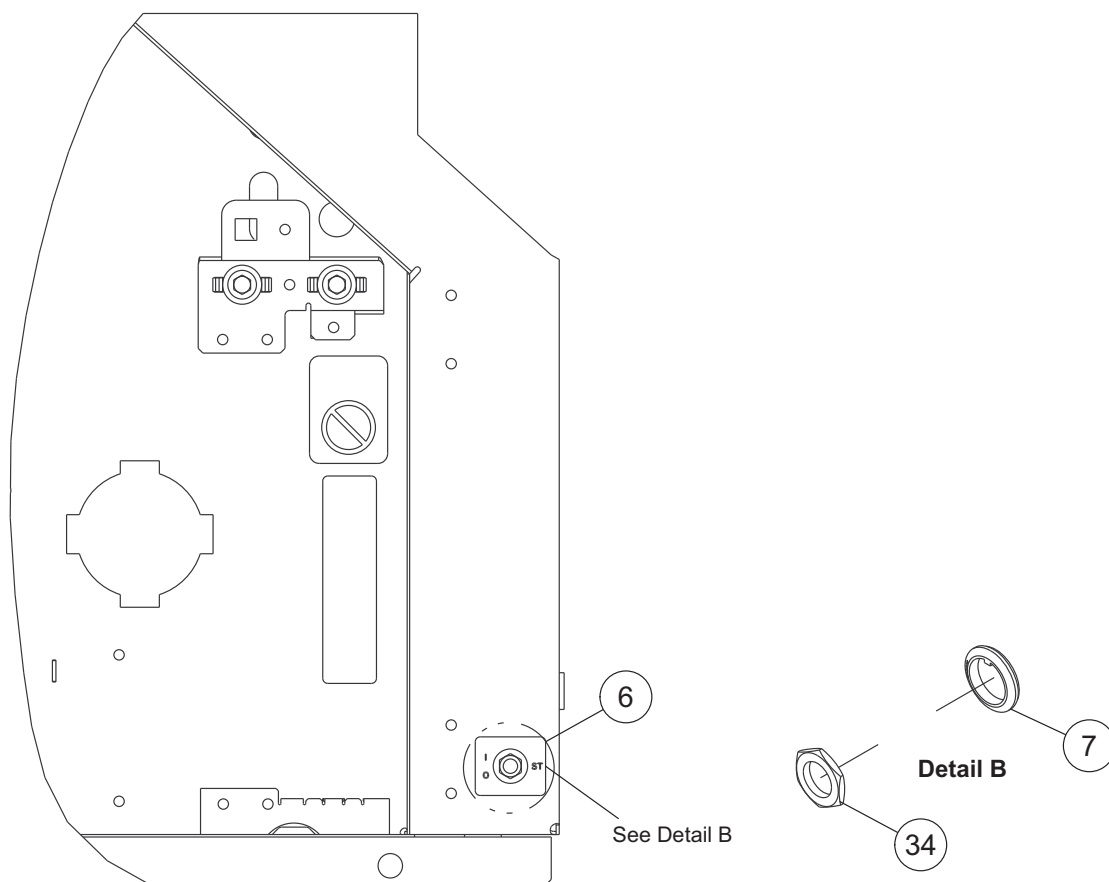
| Item | Part Number       | Description           | Qty |
|------|-------------------|-----------------------|-----|
| 2    | 34-01142-01       | Receptacle            | 2   |
| 4    | 34-00928-01       | Rivet, Blind          | 4   |
| 8    | 68-86230-00       | Strap Assembly        | 1   |
| 9    | 22-66697-115      | Wire Assembly         | 1   |
| 10   | 34-00667-11       | Nut, Self Lock 1/4-20 | 2   |
| 11   | 66-U---1--5321-3  | Washer, Plain         | 2   |
| 12   | --AT--39JA-171    | Nut, Hex 1/4-20       | 11  |
| 13   | 66-U---1--9592-13 | Standoff              | 2   |
| 17   | 58-00701-03       | Plug, Button          | 1   |
| 22   | 66-U---1--5562-7  | Plug, Button          | 1   |
| 25   | --AU--27JR-171    | Washer, Lock          | 11  |
| 36   | 58-04026-32       | Protector             | 2   |
| 37   | 66CH---1--1172-87 | Trim, Flexible        | 1   |

## 20 Control Box Assembly



| Item | Part Number       | Description                         | Qty |
|------|-------------------|-------------------------------------|-----|
|      | 79-04244-06       | Box Assembly, No Shield - Includes: | 1   |
| 1    | 86-05315-04       | Box Assembly, Weld                  | 1   |
| 2    | 68-16498-00       | Nut Plate Assembly                  | 1   |
| 3    | 34-00928-20       | Rivet, Blind                        | 2   |
| 4    | 86-05299-01       | Bracket                             | 1   |
| 5    | 66-U---1--5361-25 | Screw, Cap Hxhd                     | 2   |
| 6    | 66-U---1--5321-3  | Washer, Plain                       | 4   |
| 7    | 68-18355-00       | Channel                             | 1   |
| 8    | 34-00655-04       | Screw, Cap Hxhd                     | 2   |
|      | 79-04244-14       | Box Assembly, No Shield - Includes: | 1   |
| 1    | 86-05315-11       | Box Assembly, Weld                  | 1   |
| 2    | 68-16498-00       | Nut Plate Assembly                  | 1   |
| 3    | 34-00928-20       | Rivet, Blind                        | 2   |
| 4    | 86-05299-01       | Bracket                             | 1   |
| 5    | 66-U---1--5361-25 | Screw, Cap Hxhd                     | 2   |
| 6    | 66-U---1--5321-3  | Washer, Plain                       | 4   |
| 7    | 68-18355-00       | Channel                             | 1   |
| 8    | 34-00655-04       | Screw, Cap Hxhd                     | 2   |

## 21 Panel Kit for Start/Stop (ST) Switch

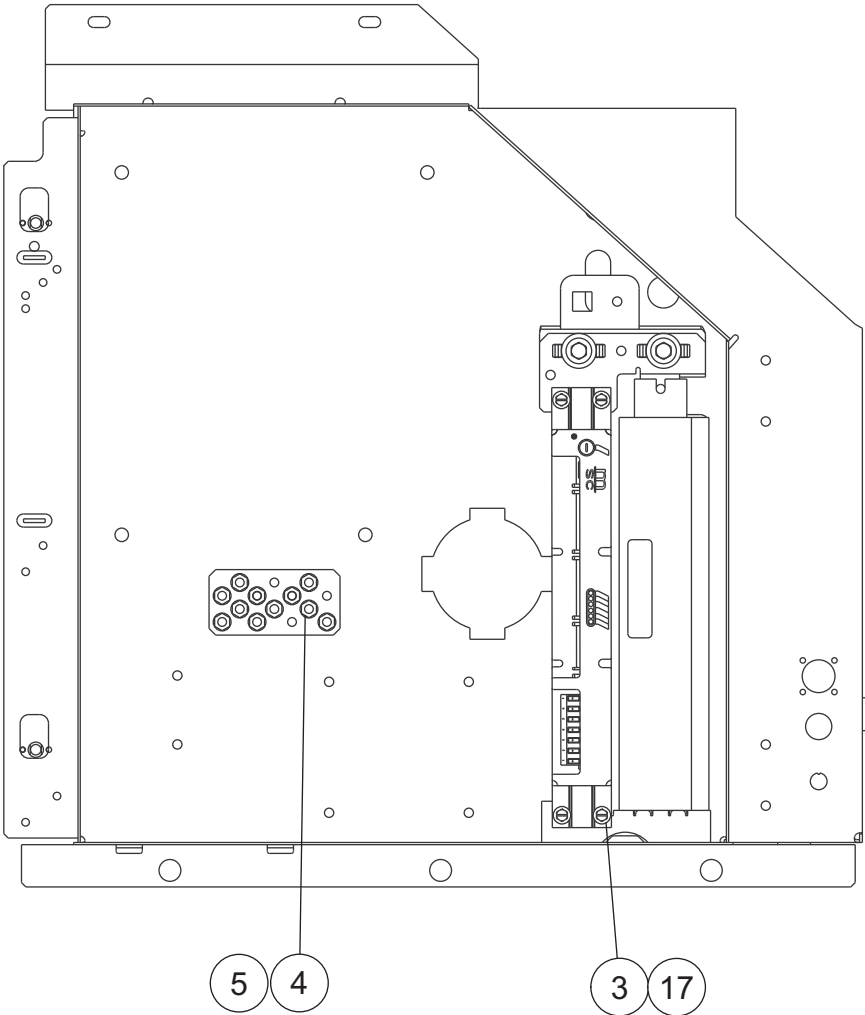


**Panel Kit for Start/Stop Switch**

| Item | Part Number    | Description        | Qty |
|------|----------------|--------------------|-----|
| 6    | 62-11731-00    | Label, ST / Switch | 1   |
| 7    | 66-U---1--9752 | Seal               | 1   |
| 34   | 10-01129-20    | Nut, Hex 15/32-32  | 1   |



22 Remote Monitoring Unit (RMU) Kit

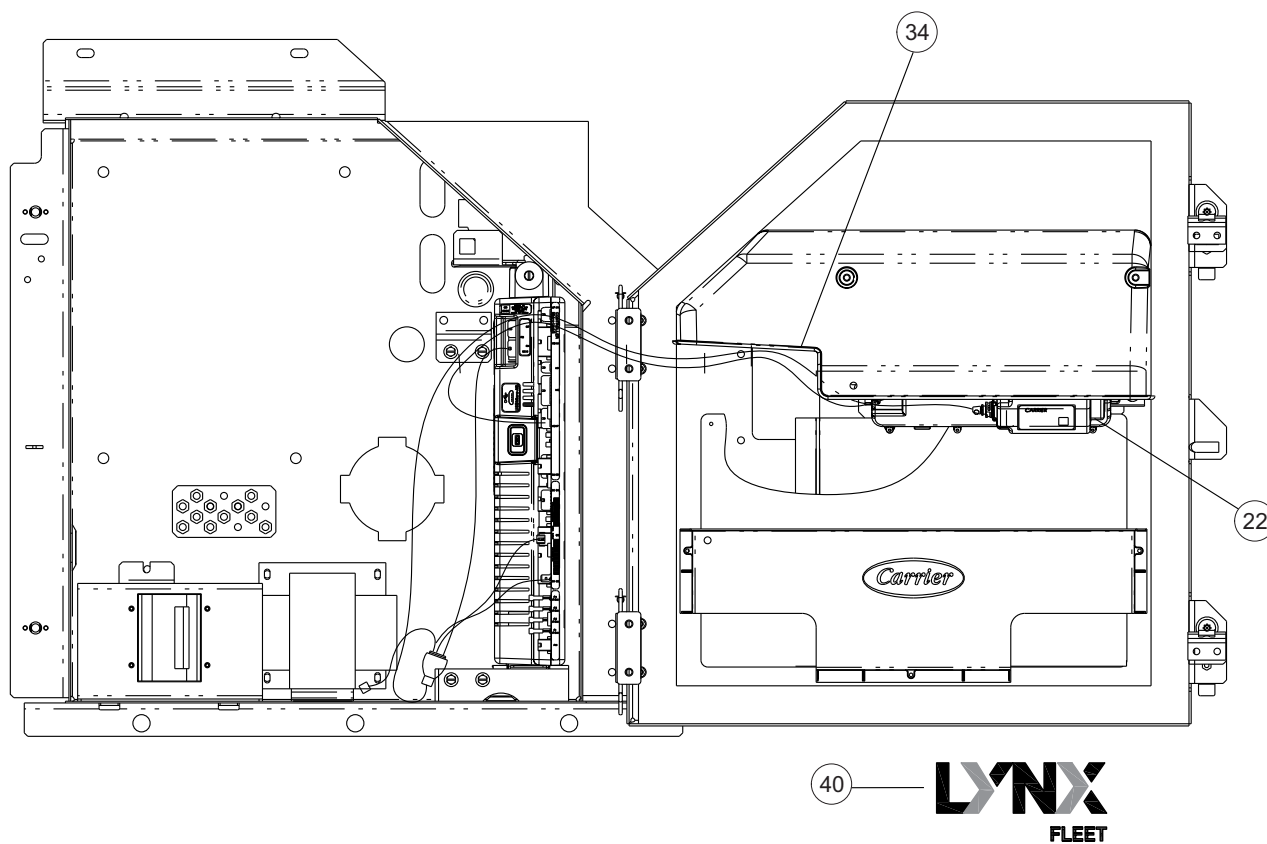


No RMU

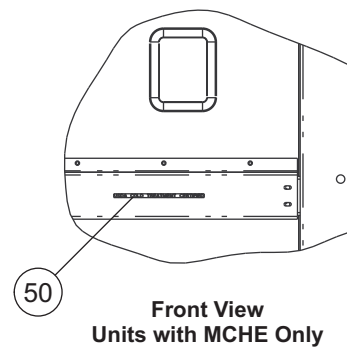
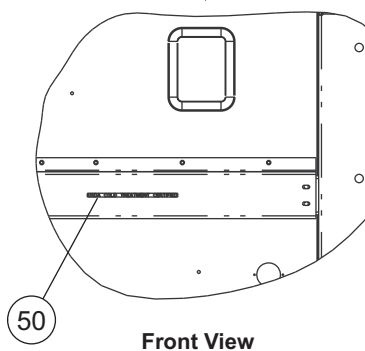
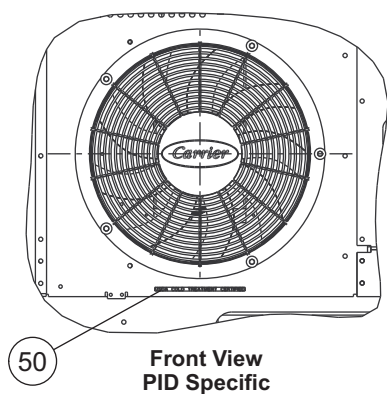
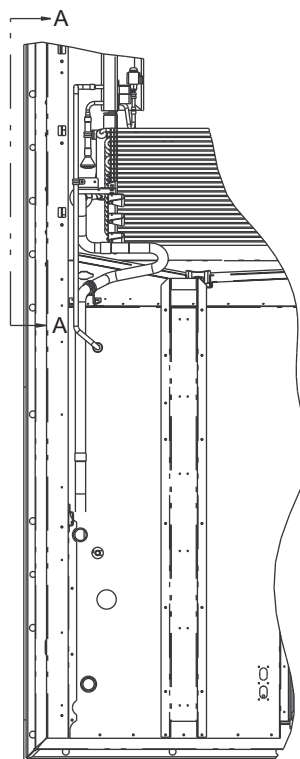
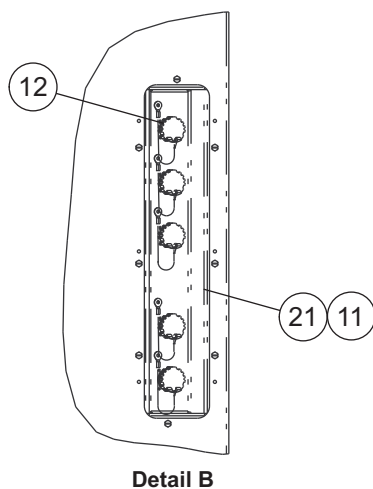
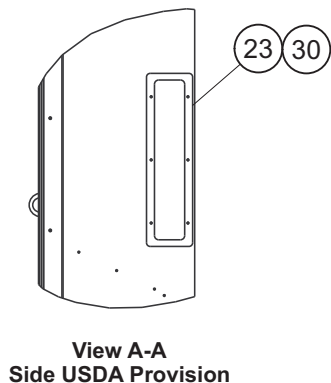
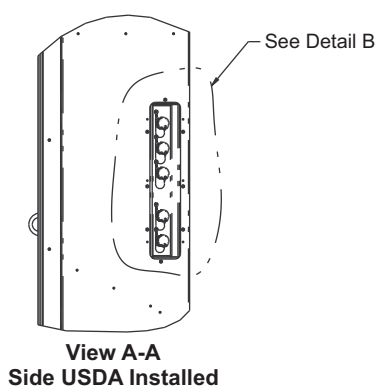
| Item | Part Number      | Description      | Qty |
|------|------------------|------------------|-----|
| 3    | 66-U---1--5371-7 | Screw, Mach Hxhd | 4   |
| 4    | --AT--39JA-171   | Nut, Hex         | 1   |
| 5    | --AU--27JR-171   | Washer, Lock     | 1   |
| 17   | 66-U---1--5321-8 | Washer, Plain    | 4   |



## 22 Remote Monitoring Unit (RMU) Kit

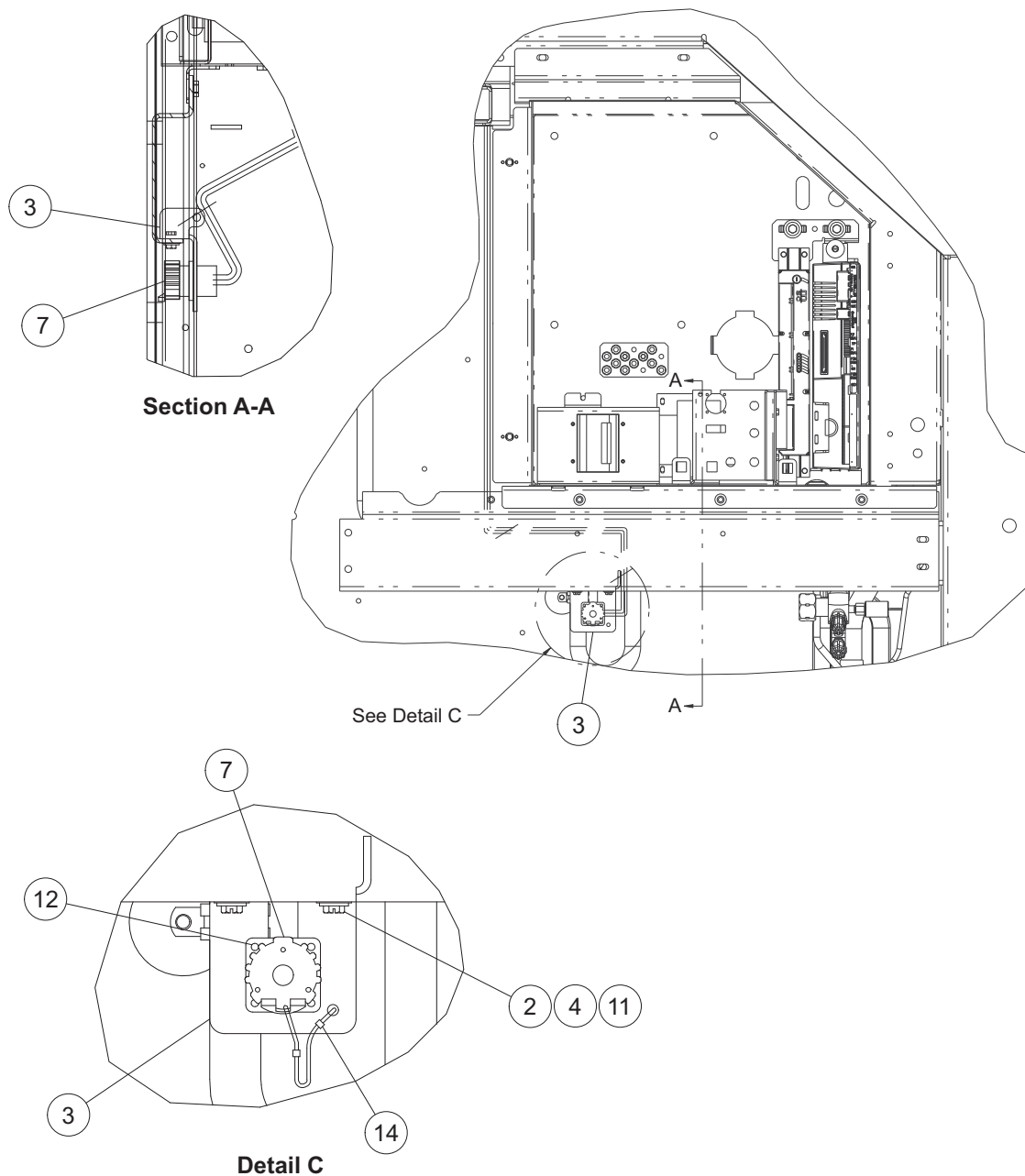


| RMU - TripLINK |                |                    |     |
|----------------|----------------|--------------------|-----|
| Item           | Part Number    | Description        | Qty |
| NS             | 66-U---1--3882 | Wire Tie           | 10  |
| 22             | 12-00842-08    | Module, Telematics | 1   |
| 34             | 12-00842-04    | Cable, Telematics  | 1   |
| 40             | 62-12310-01    | Label, Lynxfleet   | 1   |



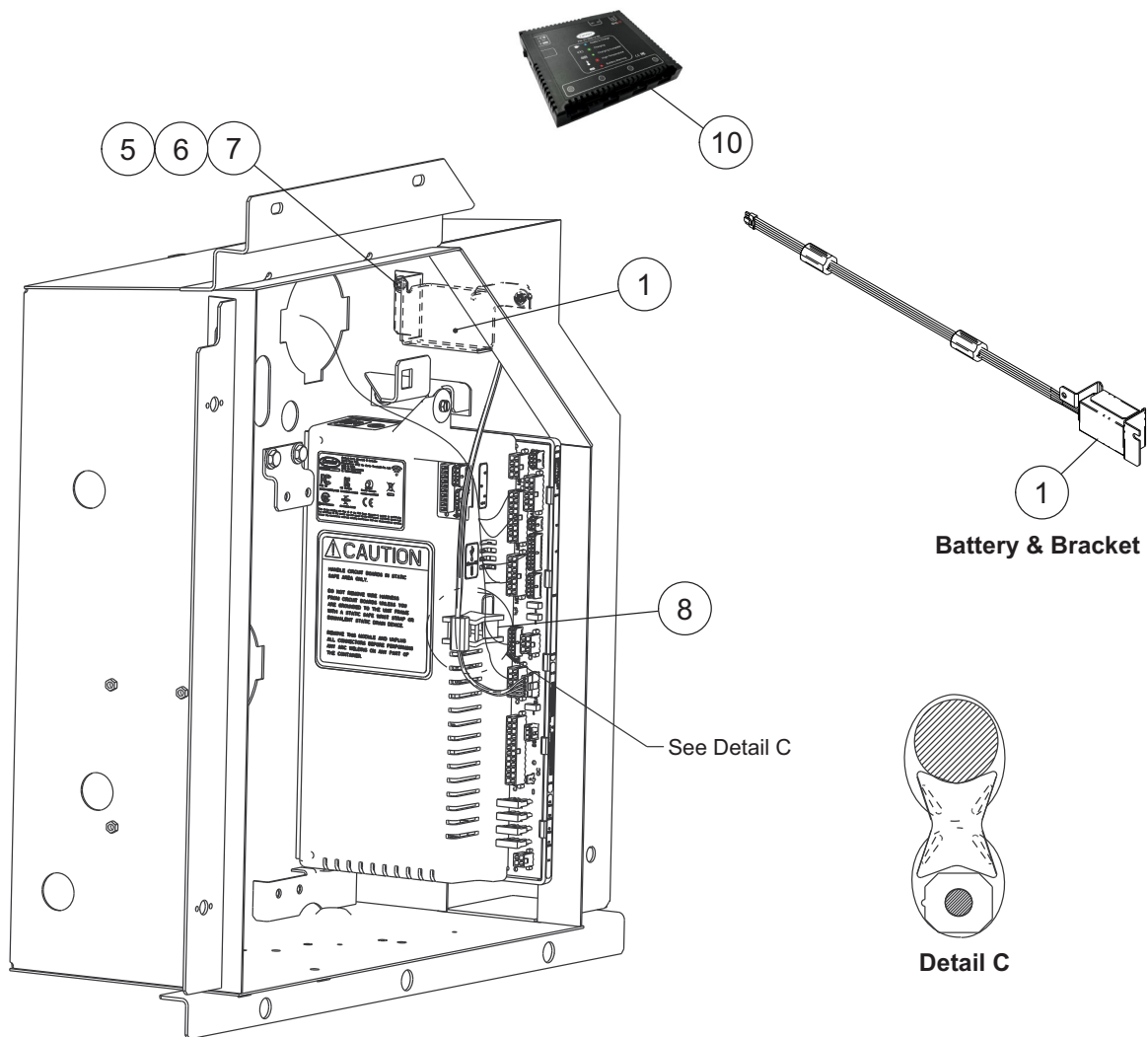
| Item                  | Part Number      | Description                                     | Qty |
|-----------------------|------------------|-------------------------------------------------|-----|
| <b>USDA Installed</b> |                  |                                                 |     |
| NS                    | 12-50089-02PK4   | USDA Sensor, 4 Pack                             | 1   |
| 11                    | 66-U---1--5371-7 | Screw, Machine Hex Head, #10-24 X 0.500 Slotted | 8   |
| 12                    | 34-06142-00      | Rivet, 0.110 Diameter                           | 20  |
| 21                    | 79-66775-00      | Panel Assembly - Includes:                      | 1   |
|                       | 79-66743-00      | Cord Assembly, 3 pin, USDA probes               | 4   |
|                       | 79-66743-01      | Cord Assembly, 5 pin, cargo probe               | 1   |
| 50                    | 62-11275-00      | Label, USDA Cold Treatment Certified (Optional) | 1   |

## 24 Interrogator Connector Front



| Item | Part Number      | Description                            | Qty |
|------|------------------|----------------------------------------|-----|
| 2    | 66-U---1--5321-8 | Washer, Plain #10 Type A               | 2   |
| 3    | 68-17021-00      | Bracket                                | 1   |
| 4    | 66-U---1--5371-7 | Screw, Machine Hex Head #10-24 X 0.500 | 2   |
| 7    | 79-66743-02      | Cord Assembly                          | 1   |
| 11   | 34-06053-05      | Washer 0.205 ID X 0.600 OD             | 2   |
| 12   | 34-06142-00      | Rivet                                  | 4   |
| 14   | 22-66798-00      | Connector                              | 1   |

## 25 Controller Battery Kit



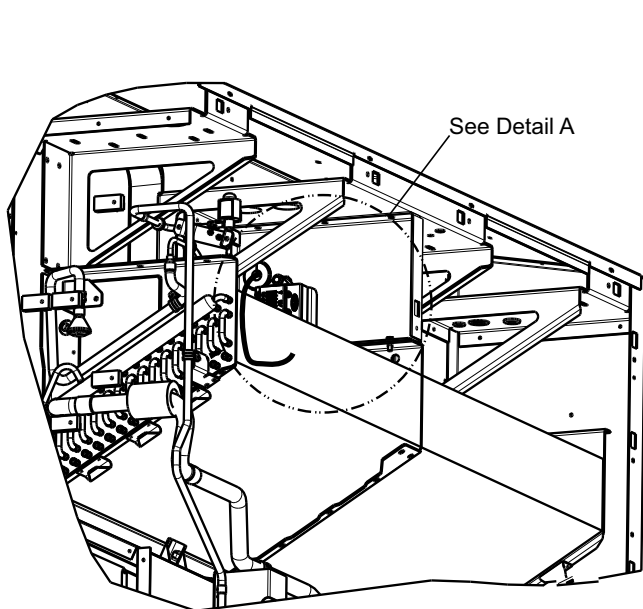
| Item | Part Number        | Description                                      | Qty |
|------|--------------------|--------------------------------------------------|-----|
| 1    | 79-66081-21        | Battery Rechargeable Pack and Bracket (Standard) | 1   |
| 5    | 34-06251-01        | Screw, Button HD                                 | 2   |
| 6    | 34-00663-09        | Washer, Lock                                     | 2   |
| 7    | 66-U-1---1--5321-8 | Washer, Plain                                    | 2   |
| 8    | 58-05169-00        | Spacer                                           | 1   |
| 10   | 07-00614-00        | Smart Battery Charger                            | 1   |



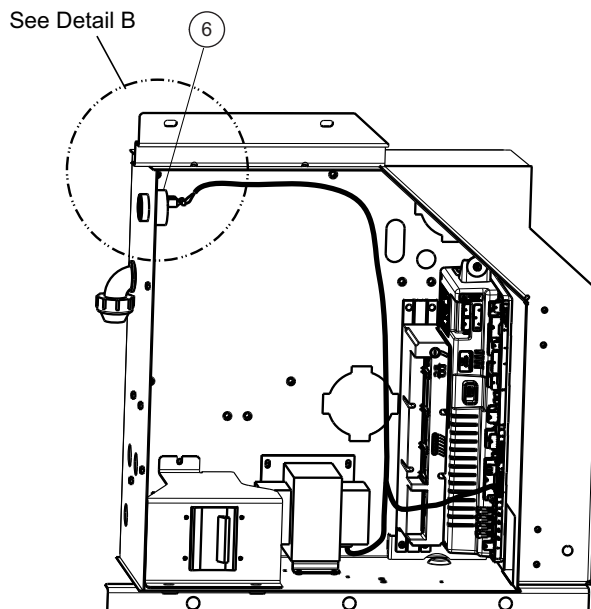


| 26 Wiring Kit |                   |                                |     |
|---------------|-------------------|--------------------------------|-----|
| Item          | Part Number       | Description                    | Qty |
| 2             | 10-00332-21SV     | Transformer, Control           | 1   |
| 6             | 10-00439-03       | Transformer, Current Sensing   | 1   |
| 7             | 22-66697-25       | Wire Assembly                  | 1   |
|               | 22-66697-107      | Wire Assembly (5-Core)         | 1   |
| 19            | 66-U---1--7842-12 | Circuit Breaker (CB1)          | 1   |
| 20            | 68-17405-00       | Bracket                        | 1   |
| 22            | 69NT--35--9073-1  | Label, CB1                     | 1   |
| 28            | 66CH---1--1172-28 | Trim, Flexible                 | 1   |
| 32            | 34-00655-08       | Screw, Cap Hex Head 1/4-20     | 4   |
| 34            | 66-U---1--5371-7  | Screw, Machine Hex Head #10-24 | 6   |
| 35            | 34-00663-09       | Washer, Lock #10 Spring        | 1   |
| 39            | 22-66793-00       | Gland                          | 1   |
| 40            | 22-66794-00       | Nut                            | 1   |
| 48            | 66-U---1--6651-19 | Screw, Machine Pan Head #6-32  | 4   |
| 49            | 34-00663-07       | Washer, Lock #6 Spring         | 4   |
| 51            | 66-U---1--5321-7  | Washer, Plain 1/4 W Type A     | 4   |
| 53            | 34-06053-13       | Washer                         | 1   |
| 54            | 10-00431-11       | Cover, Contactor               | 2   |
| 73            | 58-04246-00       | Ty-Rap Base                    | 1   |
| 104           | 34-01178-22       | Screw, TC Hex Head             | 1   |
| 110           | 66-U---1--3803    | Tube, Heat Shrink              | 9   |
| 111           | 22-01292-02       | Butt Splice                    | 9   |
| 120           | 66CH---1--1172-43 | Trim, Flexible                 | 1   |
| 121           | 58-04273-00       | Grommet                        | 2   |
| 150           | 66-U---1--7842-6  | Nut, Hex                       | 6   |
| 151           | 66-U---1--7842-7  | Washer, Flat                   | 12  |
| 169           | 58-66689-00       | Spacer                         | 4   |
| 170           | 66-U---1--5321-8  | Washer, Plain                  | 10  |
| 172           | 58-66700-00       | Sleeve                         | 2   |
| 173           | 69NT--35--2692-4  | Washer, Fender                 | 1   |
| 177           | 66CH---1--1172-34 | Trim, Flexible                 | 2   |
| 180           | 10-00526-00       | Power Filter                   | 1   |
| 181           | 86-05343-00       | Bracket                        | 1   |
| 182           | 66-U---1--5371-6  | Screw, Machine Hex Head        | 6   |
| 183           | 66CH---1--1172-24 | Trim, Flexible                 | 1   |
| 184           | 66-U---1--5371    | Screw, Machine Hex Head        | 2   |
| 185           | 66-U---1--5321-2  | Washer, Plain                  | 2   |
| 186           | 34-06354-00       | Washer, Lock                   | 2   |
| 187           | 62-10530-47       | Label, Filter Pos 1,3,5        | 1   |
| 188           | 62-10530-48       | Label, Filter Pos 2,4,6        | 1   |
| 189           | 22-04573-00       | Cable, VFD                     | 1   |

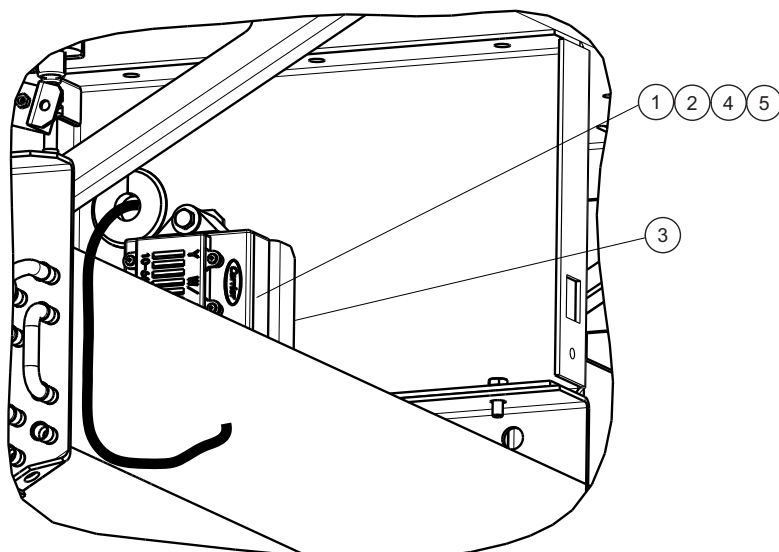
## 27 R1234yf Sensor and Buzzer



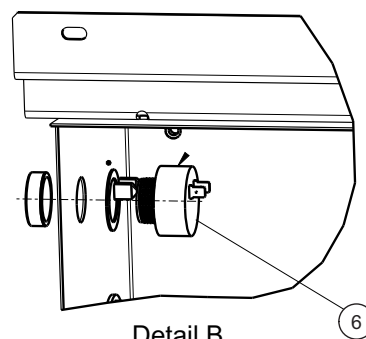
Sensor Location



Buzzer Location



Detail A



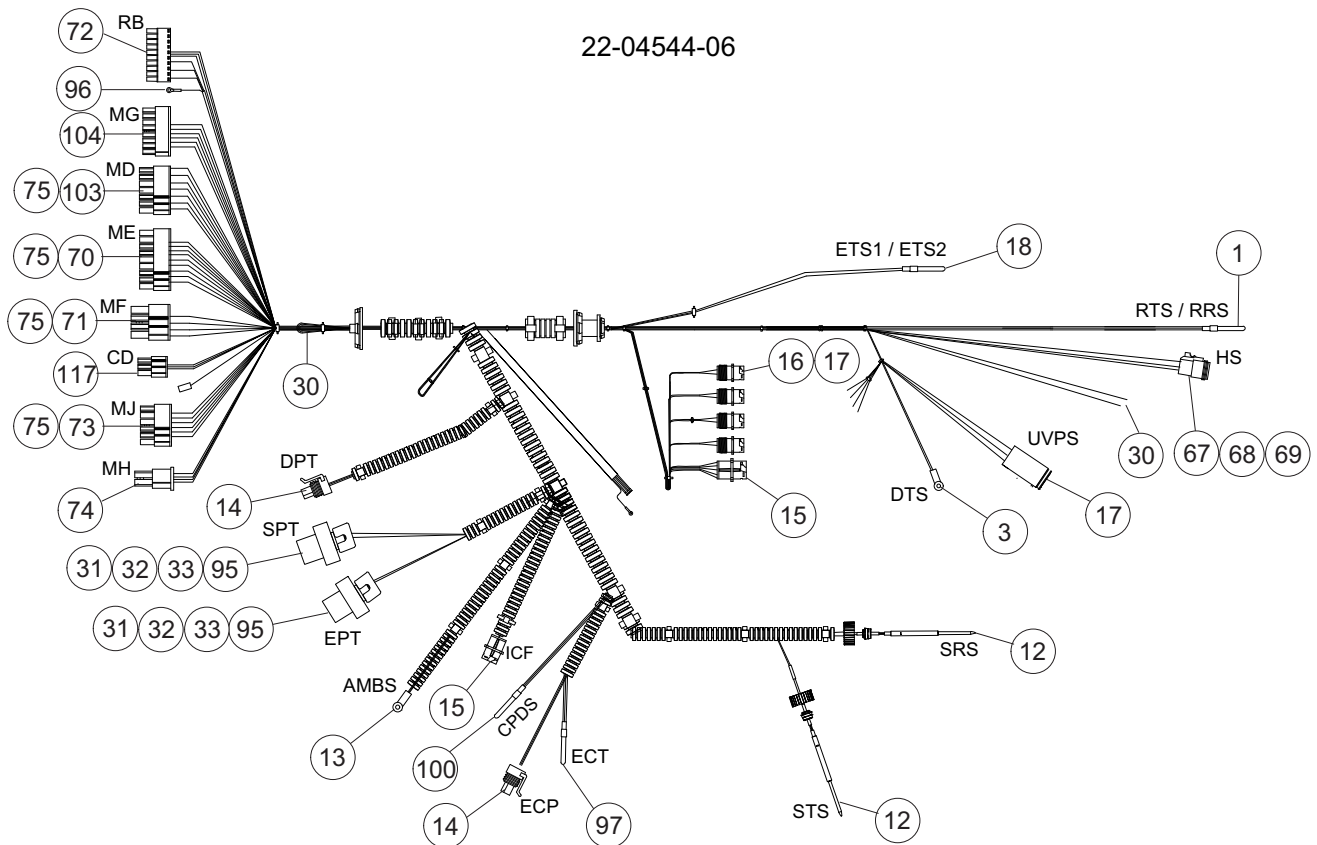
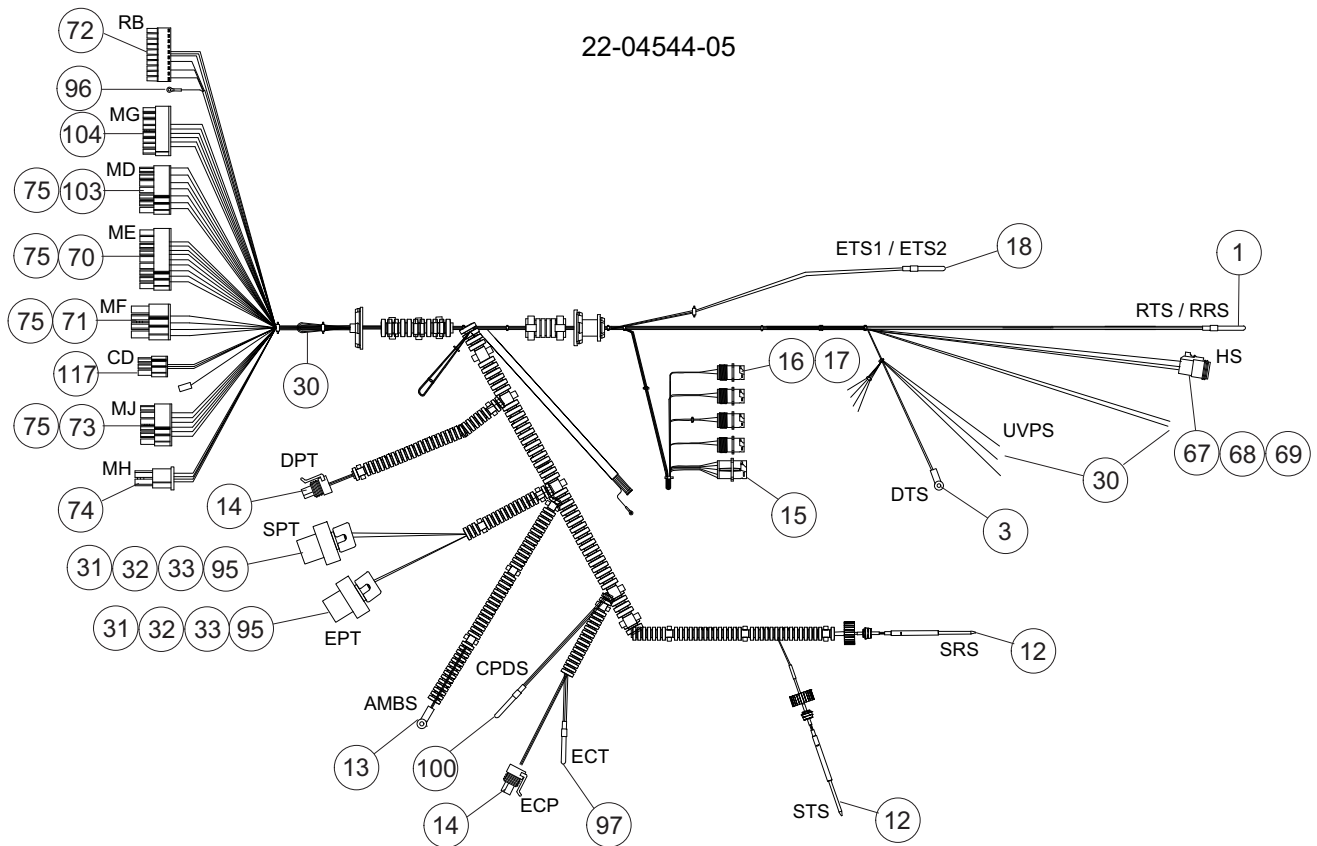
Detail B

| Item | Part Number      | Description             | Qty |
|------|------------------|-------------------------|-----|
| 1    | 10-00555-00      | R1234yf Sensor          | 1   |
| 2    | 22-69299-00      | Resistor Assembly       | 1   |
| 3    | 68-18949-00      | Sensor Mounting Bracket | 1   |
| 4    | 34-00655-14      | Screw, Cap Hxhd         | 2   |
| 5    | 66-U---1--5321-7 | Washer, Plain           | 2   |
| 6    | 10-00616-00      | Buzzer, R1234yf Sensor  | 1   |

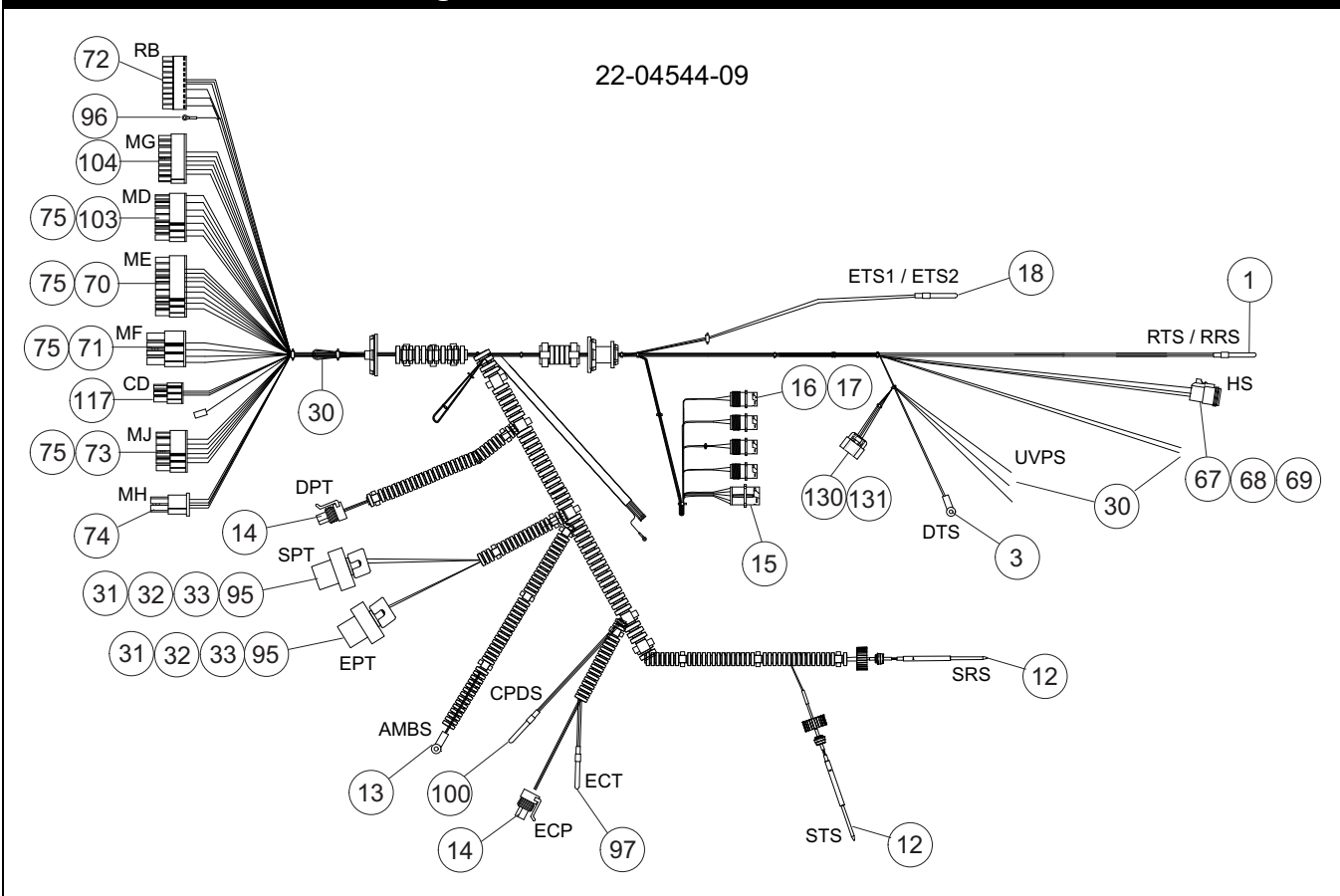




## 28 Wire Harness, Low Voltage



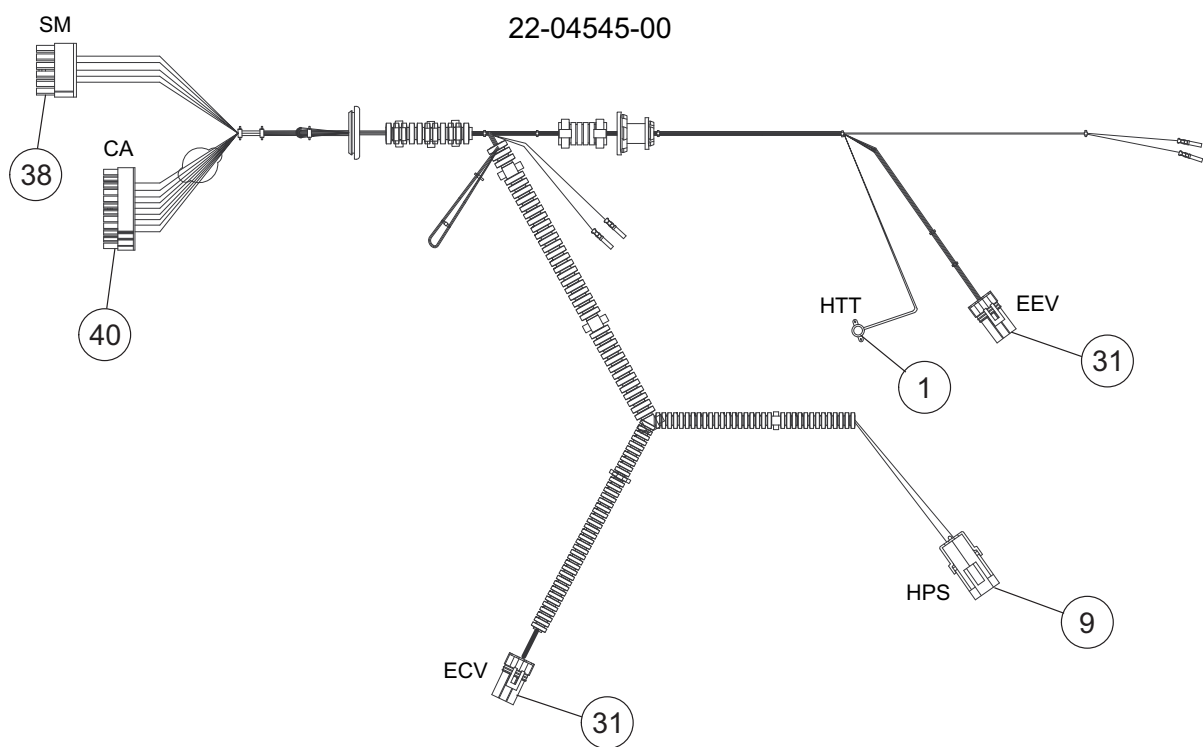
## 28 Wire Harness, Low Voltage



| Item | Part Number      | Description                                                                                             | Qty |
|------|------------------|---------------------------------------------------------------------------------------------------------|-----|
|      | 22-04544-05      | Wire Harness, Low Voltage Sensor with VPS Provision (PIDs NT4006, NT4009):                              | 1   |
|      | 22-04544-06      | Wire Harness, Low Voltage Sensor with VPS Installed and ICF Installed (PID NT4012):                     | 1   |
|      | 22-04544-09      | Wire Harness, Low Voltage Sensor with VPS Provision and R1234yf Sensor & Buzzer Installed (PID NT4019): | 1   |
| 1    | 12-00500-01SV    | Thermistor, Return Air Sensors (RTS / RRS)                                                              | 1   |
| 3    | 12-00495-02SV    | Thermistor, Defrost Temperature Sensor (DTS)                                                            | 1   |
| 9    | 58-04277-00      | Cap                                                                                                     | 2   |
| 12   | 12-00395-01SV    | Thermistor, Supply Air Sensors (STS / SRS)                                                              | 2   |
| 13   | 12-00495-02SV    | Thermistor, Ambient Temperature Sensor (AMBS)                                                           | 1   |
| 14   | 22-02448-02      | Connector, Fem, Discharge Pressure Transducer (DPT)                                                     | 1   |
|      |                  | Connector, Fem, Economizer Pressure Transducer (ECP)                                                    | 1   |
| 15   | 22-01660-14      | Receptacle                                                                                              | A/R |
| 16   | 22-01660-12      | Receptacle                                                                                              | 4   |
| 17   | 22-01614-06      | Plug                                                                                                    | A/R |
| 18   | 12-00500-01SV    | Thermistor, Evaporator Temperature Sensor (ETS1 / ETS2)                                                 | 1   |
| 30   | 66-U---1--8292-1 | Cap, Insulating                                                                                         | A/R |
| 31   | 22-01944-00      | Receptacle                                                                                              | 2   |
| 32   | 22-01944-05      | Cap                                                                                                     | 2   |
| 33   | 22-01944-10      | Gasket                                                                                                  | 2   |
| 67   | 22-01613-06      | Plug                                                                                                    | 1   |
| 68   | 22-01613-07      | Lock, Secondary                                                                                         | 1   |
| 69   | 22-01613-13      | Contact                                                                                                 | A/R |

## 28 Wire Harness, Low Voltage

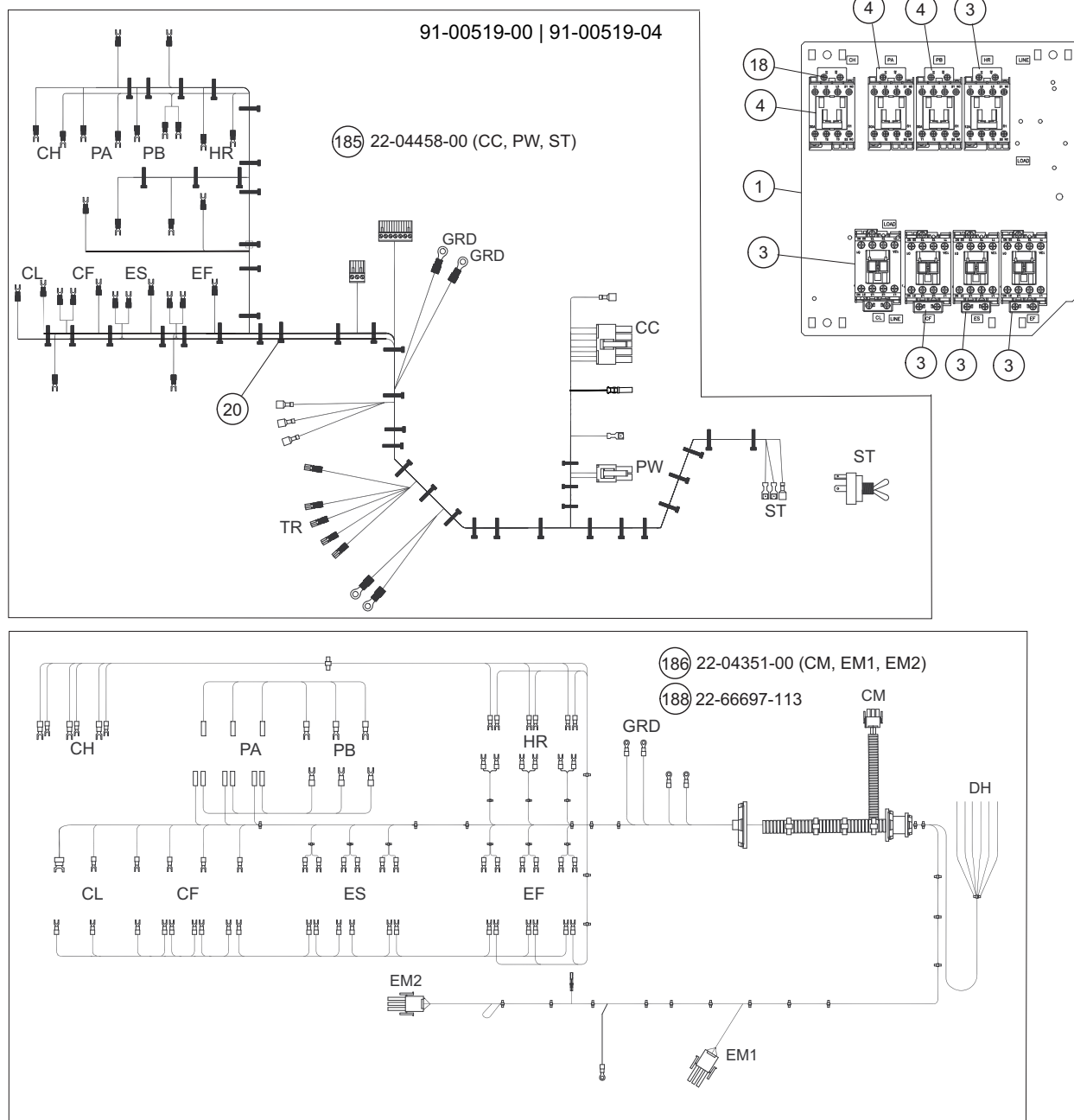
|     |             |                                                 |     |
|-----|-------------|-------------------------------------------------|-----|
| 70  | 22-04418-06 | Connector to Controller (ME), 2x9 Circuits      | 1   |
| 71  | 22-04418-02 | Connector to Controller (MF), 2x4 Circuits      | 1   |
| 72  | 22-04477-00 | Connector to Controller (RB), 1x10 Circuits     | 1   |
| 73  | 22-04418-04 | Connector to Controller (MJ), 2x6 Circuits      | 1   |
| 74  | 22-04419-00 | Connector to Controller (MH), 2x2 Circuits      | 1   |
| 75  | 22-04418-12 | Terminal                                        | A/R |
| 95  | 76-00816-00 | Suction Pressure Transducer (SPT)   Kit         | 1   |
|     |             | Evaporator Pressure Transducer (EPT) Kit        | 1   |
| 96  | 22-04281-01 | Cable Assembly, VFD Communication               | 1   |
| 97  | 12-00726-20 | Thermistor, Economizer Temperature Sensor (ECT) | 1   |
| 100 | 12-00726-20 | Thermistor, Discharge Temperature Sensor (CPDS) | 1   |
| 103 | 22-04418-05 | Connector to Controller (MD), 2x7 Circuits      | 1   |
| 104 | 22-04419-06 | Connector to Controller (MG), 2x8 Circuits      | 1   |
| 117 | 22-04418-01 | Connector to Controller (CD), 2x3 Circuits      | 1   |
| 130 | 22-04179-57 | Connector, Female, R1234yf Sensor [22-04544-09] | 1   |
| 131 | 22-04179-58 | Lock, Secondary, R1234yf Sensor [22-04544-09]   | 1   |
|     |             |                                                 |     |



|    |                    |                                                           |          |
|----|--------------------|-----------------------------------------------------------|----------|
|    | <b>22-04545-00</b> | <b>Wire Harness, Low Voltage, Switch:</b>                 | <b>1</b> |
| 1  | 76-66705-00        | Thermostat, Heat Termination Thermostat (HTT) Service Kit | 1        |
| 9  | 22-02392-00        | Connector, Male, High Pressure Switch (HPS)               | 1        |
| 31 | 22-01835-00        | Connector, Electronic Expansion Valve (EEV)               | 1        |
|    |                    | Connector, Evaporator Expansion Valve (ECV)               | 1        |
| 38 | 22-04419-04        | Connector to Controller (SM), 2x6 Circuits                | 1        |
|    | 22-04419-18        | Terminal, for Connector                                   | A/R      |
| 40 | 22-04418-09        | Connector to Controller (CA), 2x12 Circuits               | 1        |
|    | 22-04418-12        | Terminal, for Connector                                   | A/R      |

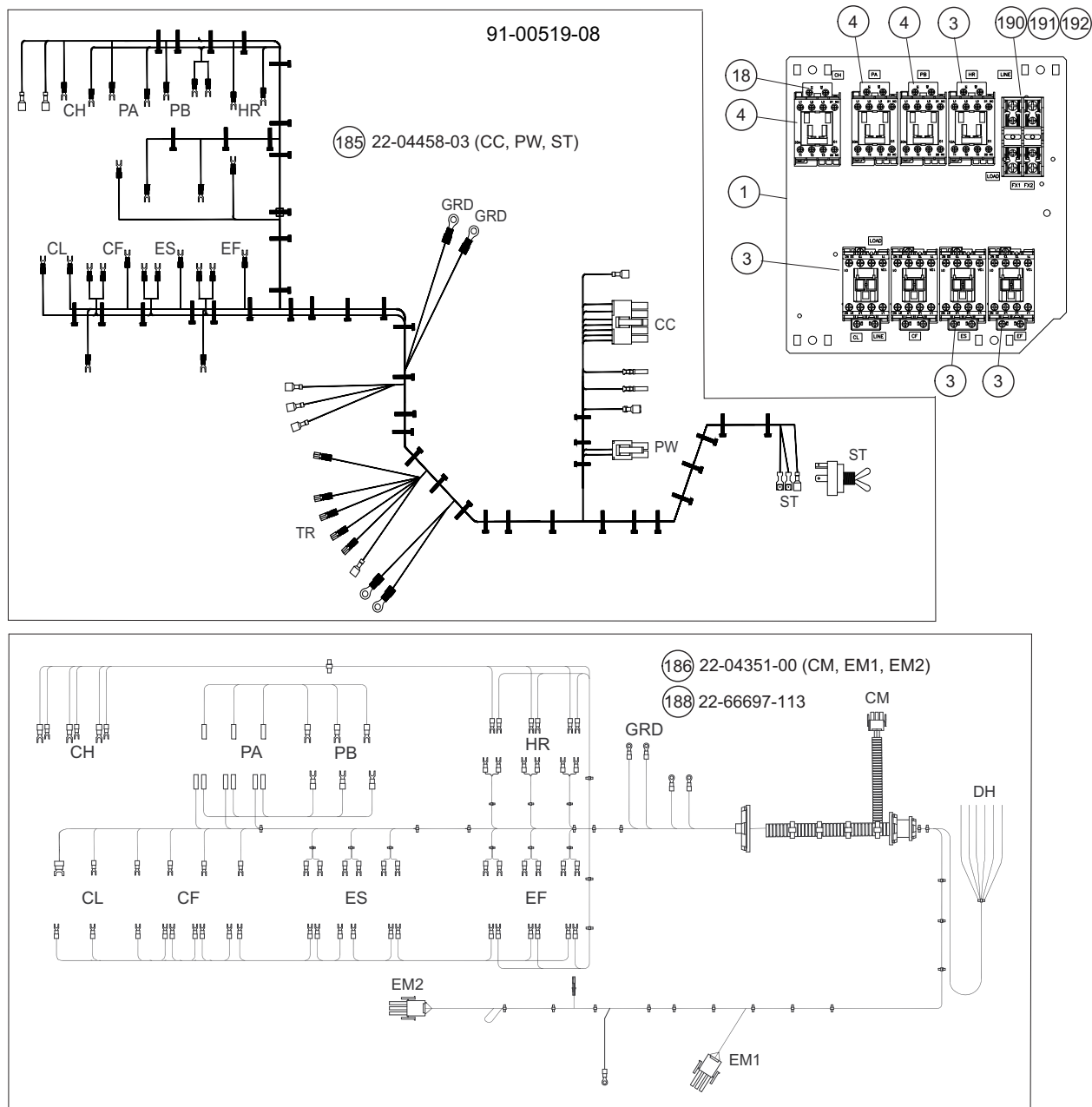


## 29 High Voltage Harness



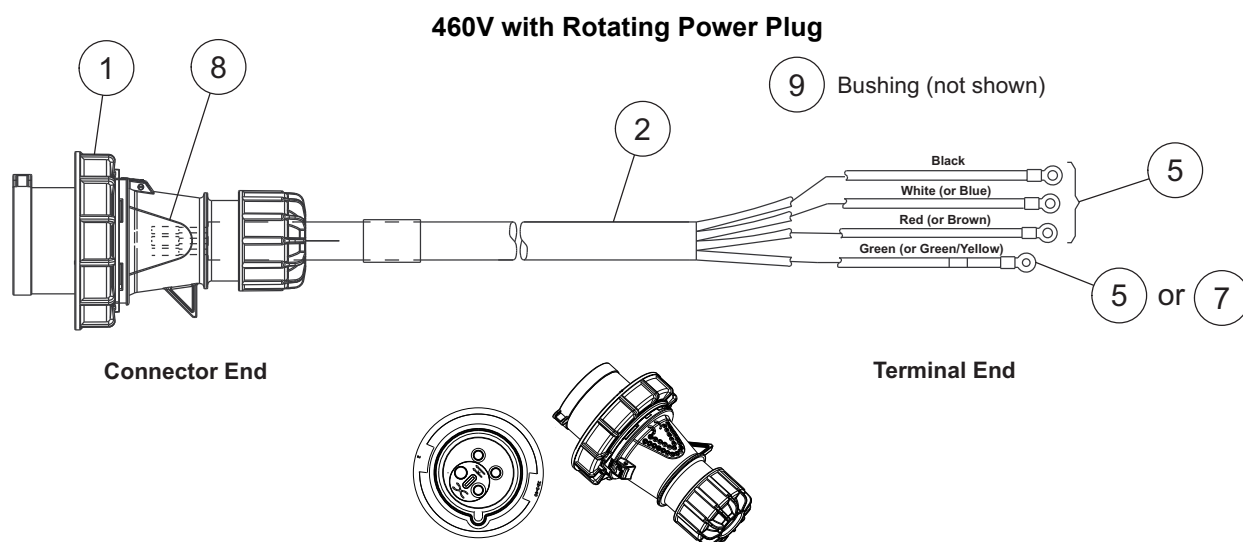
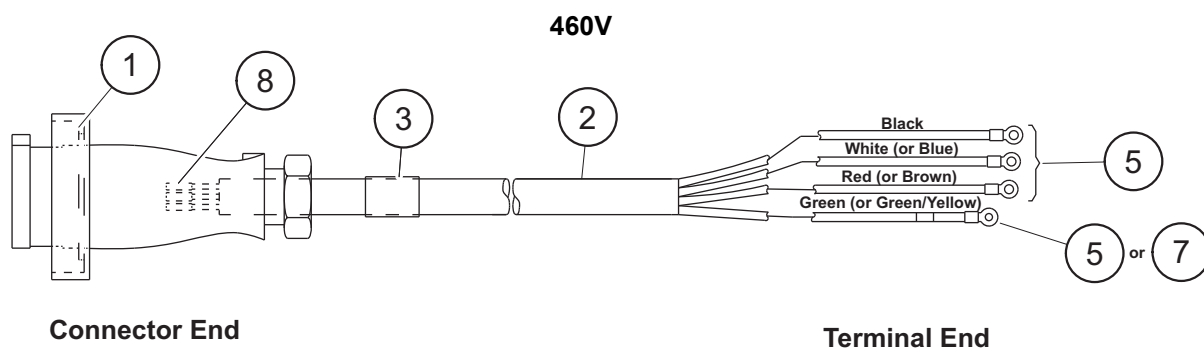
| Item | Part Number  | Description                                                       | Qty |
|------|--------------|-------------------------------------------------------------------|-----|
|      | 91-00519-00  | Wire Harness, High Voltage (PID NT4006, NT4012):                  | 1   |
|      | 91-00519-04  | Wire Harness, High Voltage with EverFRESH Provision (PID NT4009): | 1   |
| 1    | 68-17783-00  | Panel, Control Box                                                | 1   |
|      | 68-18416-00  | Panel, Control Box (EverFRESH Provision)                          | 1   |
| 3    | 10-00431-00  | Contactor, 12 Amp (CL, CF, ES, EF, HR)                            | 5   |
| 4    | 10-00431-10  | Contactor, 30 Amp (CH, PA, PB)                                    | 3   |
| 18   | 34-06243-00  | Screw                                                             | A/R |
| 20   | 58-04316-00  | Base, Mounting                                                    | 1   |
| 185  | 22-04548-00  | Wire Assembly, White (CC, PW, ST)                                 | 1   |
| 186  | 22-04547-00  | Wire Assembly, Red (CM, EM1, EM2)                                 | 1   |
| 188  | 22-66697-113 | Wire Assembly, Loose ML5 Filter                                   | 1   |

## 29 High Voltage Harness



|     |                  |                                                                        |     |
|-----|------------------|------------------------------------------------------------------------|-----|
|     | 91-00519-08      | Wire Harness, High Voltage with R1234yf Buzzer (PID NT4019) - Includes | 1   |
| 1   | 68-17783-00      | Panel, Control Box                                                     | 1   |
| 3   | 10-00431-00      | Contactor, 12 Amp (CL, CF, ES, EF, HR)                                 | 5   |
| 4   | 10-00431-10      | Contactor, 30 Amp (CH, PA, PB)                                         | 3   |
| 18  | 34-06243-00      | Screw                                                                  | A/R |
| 20  | 58-04316-00      | Base, Mounting                                                         | 1   |
| 185 | 22-04548-03      | Wire Assembly, White (CC, PW, ST)                                      | 1   |
| 186 | 22-04547-00      | Wire Assembly, Red (CM, EM1, EM2)                                      | 1   |
| 188 | 22-66697-113     | Wire Assembly, Loose ML5 Filter                                        | 1   |
| 190 | 22-04044-00      | Fuse Block                                                             |     |
| 191 | 22-04044-01      | Fuse Block                                                             |     |
| 192 | 22-04043-04      | Fuse                                                                   |     |
| 193 | 66-U---1--5321-2 | Washer, Plain                                                          |     |

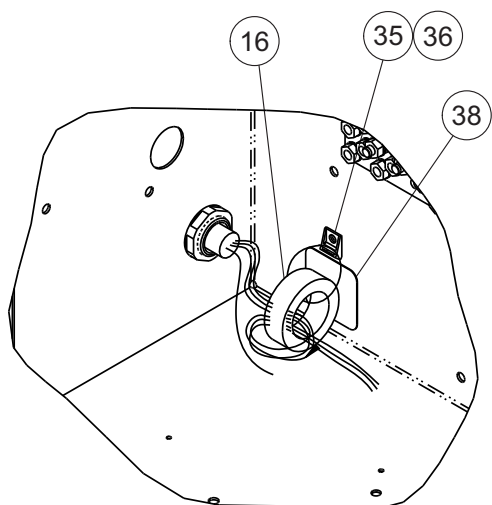
### 30 Cable Assembly - Power Cable and Plug



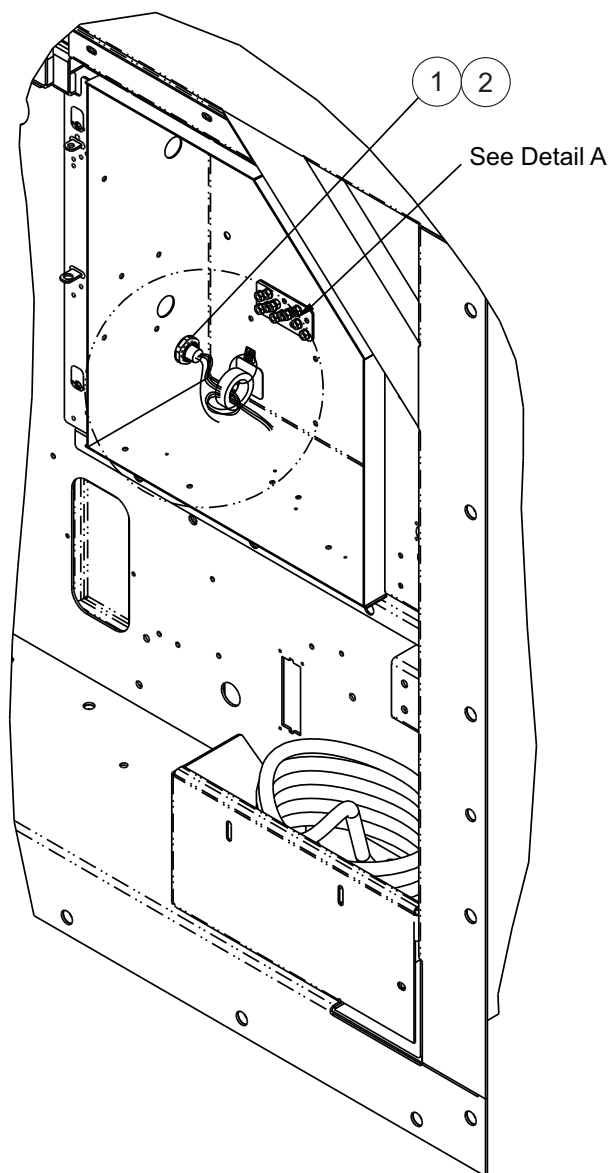
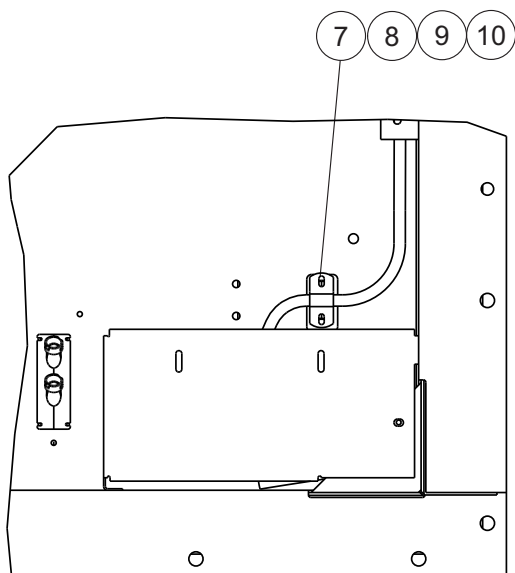
| Item                                 | Part Number     | Description                                       | Qty  |
|--------------------------------------|-----------------|---------------------------------------------------|------|
| <b>460V</b>                          |                 |                                                   |      |
|                                      | 22-50401-00     | Power Cable Assembly with 11 Gauge Cable and Plug | 1    |
| 1                                    | 22-02378-00PK10 | Power Plug                                        | 10pk |
| 2                                    | 22-66651-00     | Power Cable 460V, 11 Gauge, 4x4                   | 1    |
|                                      | 22-66654-00     | Power Cable 460V, 10 Gauge, 5x5                   | 1    |
| 3                                    | 66-U---1--2583  | Tube, Heat Shrink                                 | 1    |
| 5                                    | 22-00119-03     | Terminal                                          | 3    |
| 7                                    | 22-00119-04     | Terminal, Ring                                    | 1    |
| 8                                    | 22-02324-01     | Bushing                                           | 4    |
| <b>460V with Rotating Power Plug</b> |                 |                                                   |      |
| 1                                    | 22-66795-20PK10 | Power Plug, Rotating                              | 1    |
| 2                                    | 22-66651-00     | Power Cable 460V, 11 Gauge, 4x4                   | 1    |
|                                      | 22-66654-00     | Power Cable 460V, 10 Gauge, 5x5                   | 1    |
| 5                                    | 22-00119-03     | Terminal                                          | 3    |
| 7                                    | 22-00119-04     | Terminal, Ring                                    | 1    |
| 8                                    | 22-02324-01     | Bushing                                           | 3    |
| 9                                    | 22-02324-11     | Bushing                                           | 1    |



## 31 Cable Kit

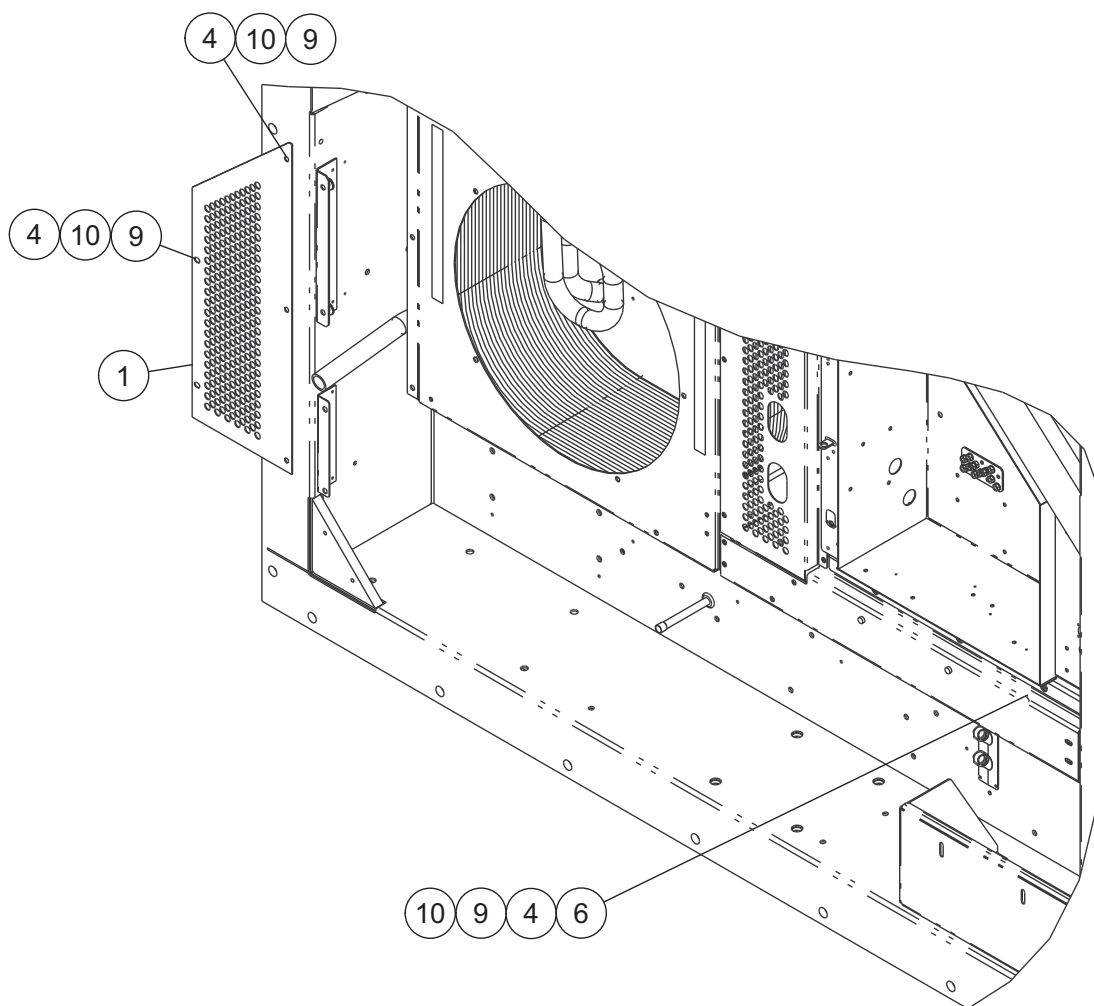


**Detail A**



| Item | Part Number       | Description         | Qty |
|------|-------------------|---------------------|-----|
| 1    | 22-66793-00       | Gland               | 1   |
| 2    | 22-66794-00       | Nut                 | 1   |
| 7    | 68-14456-00       | Cable Clamp, 10 AWG | 1   |
|      | 68-14456-01       | Cable Clamp, 11 AWG | 1   |
| 8    | 58-04026-07       | Protector           | 1   |
| 9    | 66-U---1--5361-25 | Screw, Cap Hxhd     | 2   |
| 10   | 66-U---1--5321-7  | Washer, Plain       | 2   |
| 16   | 22-04412-00       | Ferrite             | 1   |
| 35   | 66-U---1--5371-7  | Screw, Mach Hxhd    | 1   |
| 36   | 34-00663-09       | Washer, Lock        | 1   |
| 38   | 58-04026-107      | Protector           | 1   |

## 32 Handle Kit

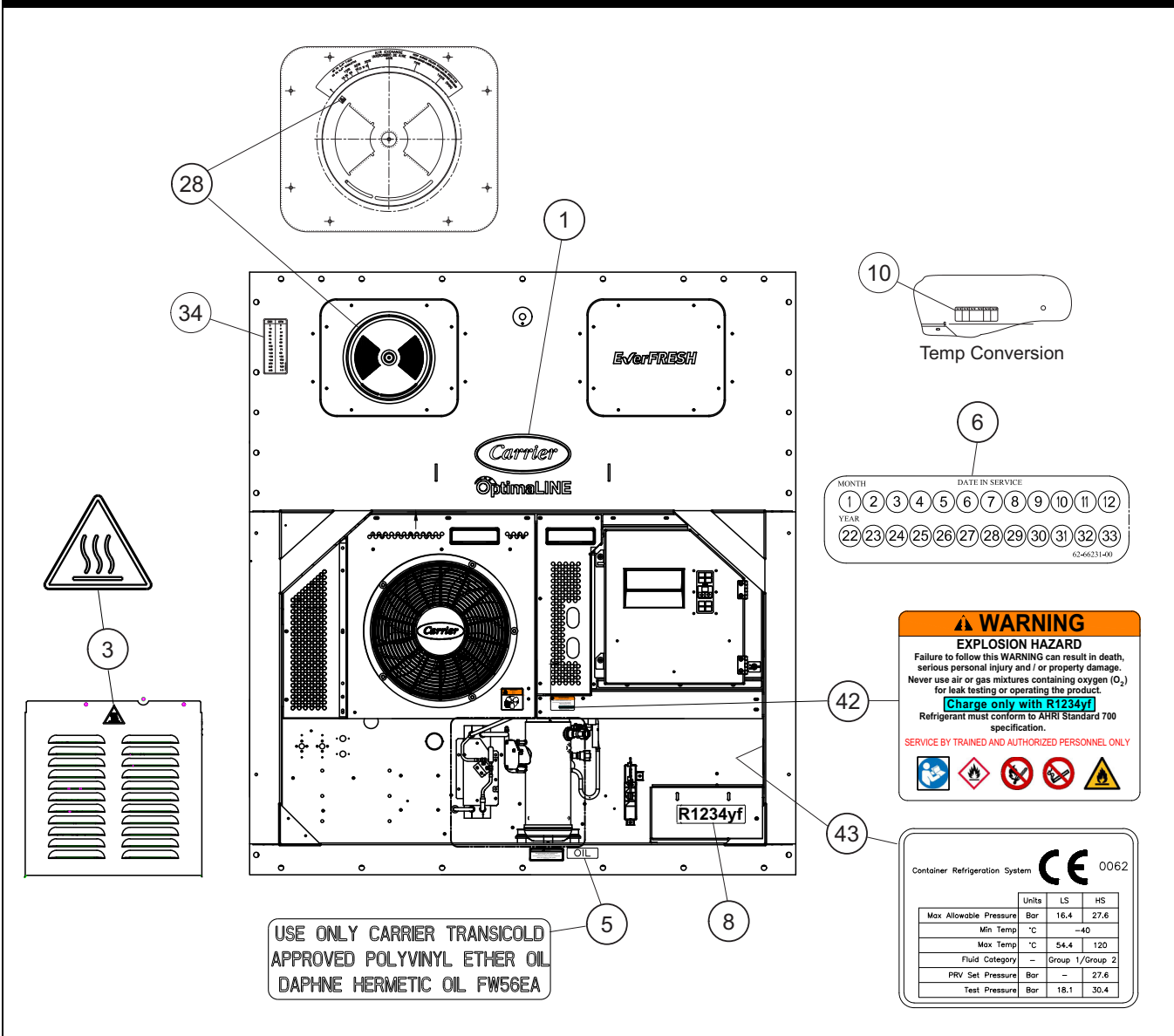


### Units without Handles

| Item | Part Number       | Description         | Qty |
|------|-------------------|---------------------|-----|
| 1    | 68-18915-00       | Panel               | 1   |
| 4    | 66-U---1--5361-25 | Screw, Cap Hex Head | A/R |
| 6    | 68-18916-00       | Cover, Screw Panel  | 1   |
|      | 68-18916-01       | Cover, Hinged Panel | 1   |
| 9    | 66-U---1--5321-7  | Washer, Plain       | A/R |
| 10   | 34-06053-00       | Washer              | A/R |



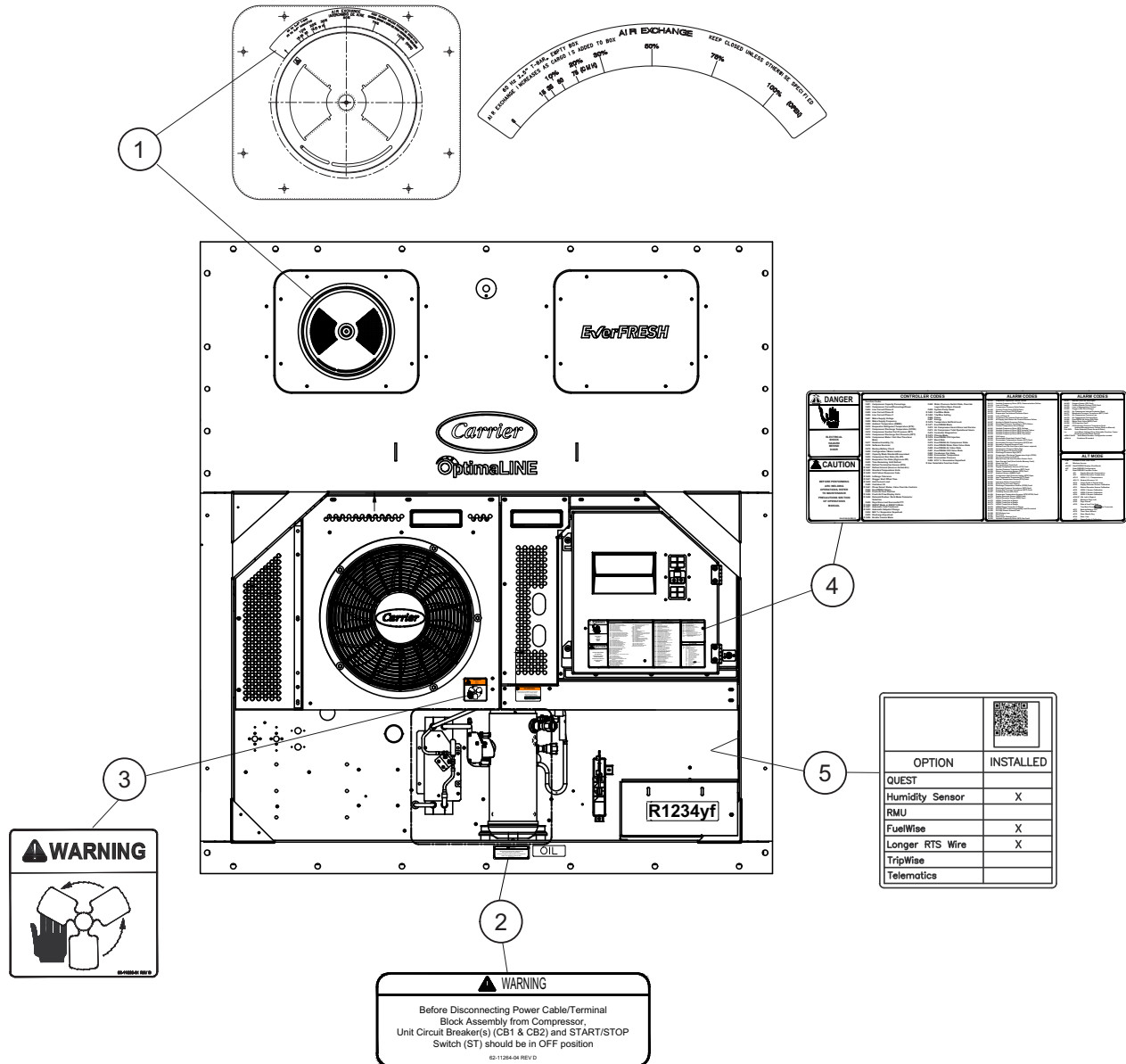
### 33 Labels and Decals



#### Common Labels

| Item | Part Number       | Description                               | Qty |
|------|-------------------|-------------------------------------------|-----|
| 1    | 62-12311-00       | Label, Carrier OptimaLINE                 | 1   |
| 3    | 62-12307-00       | Label, Warning Hot Surface                | 1   |
| 5    | 62-11263-05       | Label, PVE Compressor Oil                 | 1   |
| 6    | 62-66231-00       | Label, Date                               | 1   |
| 8    | 62-66253-00       | Label, R1234yf                            | 1   |
| 10   | 69NT--20--1893-1  | Label, Deg C to Deg F                     | 1   |
| 28   | 66CH---1--1002-33 | Label, ">" Arrow                          | 1   |
| 34   | 62-10926-00       | Label, CMH-CFM Conversion                 | 1   |
| 42   | 62-66081-05       | Label, Warning Refrigerant (R1234yf)      | 21  |
| 43   | 62-11925-03       | Label, Pressure Equipment Directive (PED) | 1   |
| NS   | 62-12444-00       | Label, R1234yf Safety Flammable           | 1   |
| NS   | 62-12442-00       | Label, R1234yf Flammable Warning          | 1   |
| NS   | 62-66268-00       | Label, Warning Fire                       | 1   |

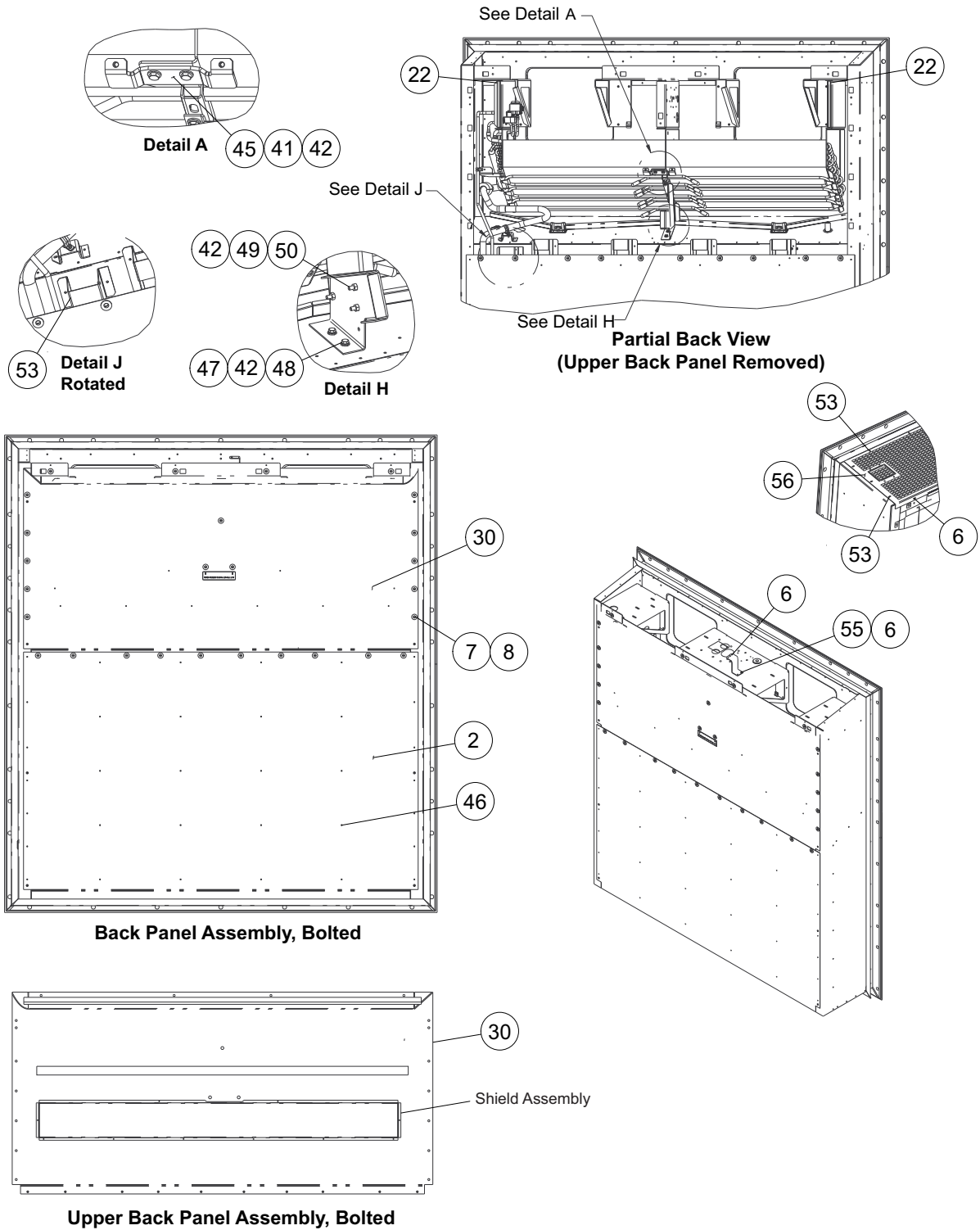
### 33 Labels and Decals



#### PID Specific Labels

| Item | Part Number | Description                                  | Qty |
|------|-------------|----------------------------------------------|-----|
| 1    | 62-02723-00 | Label, Upper Fresh Air, English              | 1   |
|      | 62-02723-18 | Label, Upper Fresh Air, English (PID NT4012) | 1   |
| 2    | 62-11264-04 | Label, Warning                               | 1   |
| 3    | 62-11936-01 | Label, Fan Warning, English                  | 1   |
| 4    | 62-66190-08 | Label, Function Codes, English               | 1   |
| 5    | 62-66205-xx | Label, Options (PID specific)                | 1   |

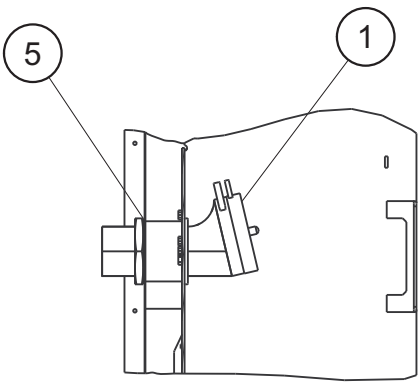
## 34 Back Panel Assembly



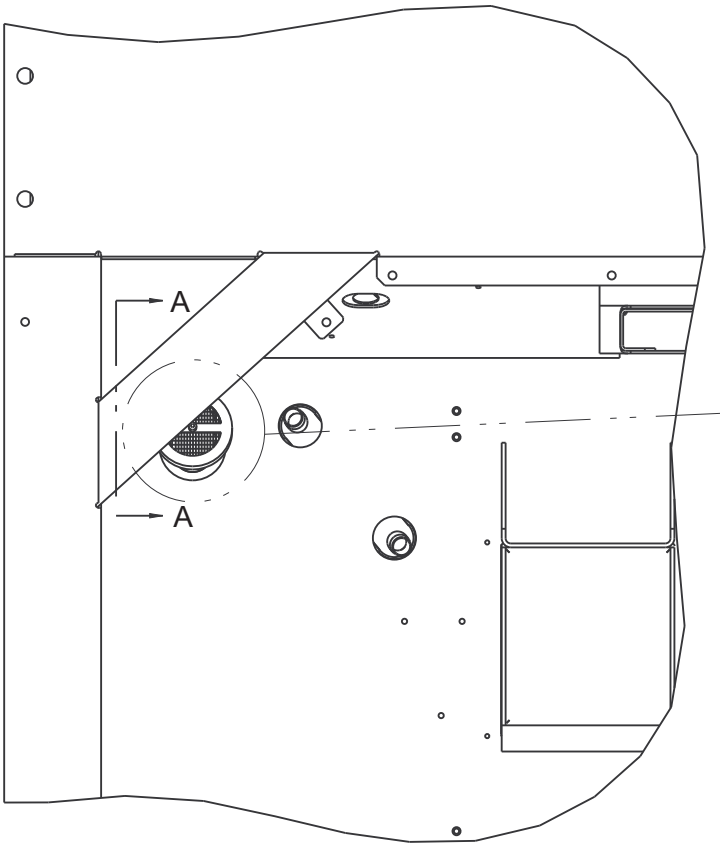
### 34 Back Panel Assembly

| Back Panel - Bolted Aluminum |                   |                                                   |     |
|------------------------------|-------------------|---------------------------------------------------|-----|
| Item                         | Part Number       | Description                                       | Qty |
| 2                            | 68-86319-00       | Panel, Back                                       | 1   |
| 6                            | 34-00928-09       | Rivet, Blind                                      | 8   |
| 7                            | 69NT--35--2692    | Washer, Fender                                    | 27  |
| 8                            | 66-U---1--2403    | Screw, Mach TrHd                                  | 27  |
| 22                           | 66-U---1--2593-4  | Gasket                                            | 2   |
| 30                           | 79-66060-00       | Panel Assembly                                    | 1   |
|                              | 79-66060-13       | Panel Assembly (comes with R1234yf Warning Label) | 1   |
| 41                           | 34-00655-04       | Screw, Cap HxHd                                   | 2   |
| 42                           | 66-U---1--5321-3  | Washer, Plain                                     | 7   |
| 45                           | 68-17175-00       | Bracket                                           | 1   |
| 46                           | 34-00928-01       | Rivet, Blind                                      | 34  |
| 47                           | 68-18023-00       | Bracket                                           | 1   |
| 48                           | 34-06269-12       | Screw, Lag                                        | 2   |
|                              | --AA--06JA-170    | Screw, Cap Hxhd (PID NT4012 only)                 | 2   |
| 49                           | 34-00663-11       | Washer, Lock                                      | A/R |
| 50                           | 66-U---1--5361-25 | Screw, Cap HxHd                                   | 3   |
| 53                           | 34-00928-07       | Rivet, Blind                                      | 13  |
| 55                           | 68-16521-00       | Bracket                                           | 1   |
| 56                           | 68-86304-00       | Grille                                            | 1   |

35 Vacuum Relief Valve



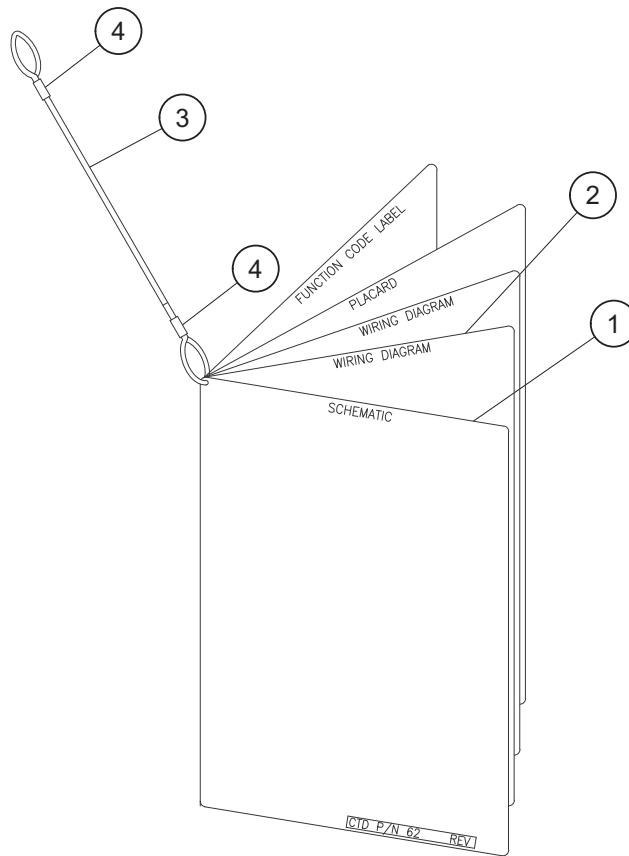
Section A-A



| Item | Part Number | Description  | Qty |
|------|-------------|--------------|-----|
| 1    | 40-66616-00 | Relief Valve | 1   |
| 5    | 42-66617-00 | Seal         | 1   |



## 36 Plate Assembly



| Item | Part Number | Description                       | Qty |
|------|-------------|-----------------------------------|-----|
|      | 79-04317-01 | Plate Assembly (NT4006) Includes: | 1   |
| 1    | 62-12416-00 | Plate, Schematic & Diagram        | 1   |
| 2    | 62-12416-01 | Plate, Diagram & Legend           | 1   |
| 3    | 58-01097-00 | Cord, Nylon                       | 1   |
| 4    | 22-66798-00 | Connector                         | 2   |
|      | 79-04317-05 | Plate Assembly (NT4009) Includes: | 1   |
| 1    | 62-66273-00 | Plate, Schematic & Diagram        | 1   |
| 2    | 62-66273-01 | Plate, Diagram & Legend           | 1   |
| 3    | 58-01097-00 | Cord, Nylon                       | 1   |
| 4    | 22-66798-00 | Connector                         | 2   |
|      | 79-04317-03 | Plate Assembly (NT4012) Includes: | 1   |
| 1    | 62-66270-00 | Plate, Schematic & Diagram        | 1   |
| 2    | 62-66270-01 | Plate, Diagram & Legend           | 1   |
| 3    | 58-01097-00 | Cord, Nylon                       | 1   |
| 4    | 22-66798-00 | Connector                         | 2   |
|      | 79-04317-07 | Plate Assembly (NT4019) Includes: |     |
| 1    | 62-12443-00 | Plate, Schematic & Diagram        | 1   |
| 2    | 62-12443-01 | Plate, Diagram & Legend           | 1   |
| 3    | 58-01097-00 | Cord, Nylon                       | 1   |
| 4    | 22-66798-00 | Connector                         | 2   |



# Index

## Numerics

|                |                        |                 |              |
|----------------|------------------------|-----------------|--------------|
| 07-00176-11    | 1-3, 16-35             | 18-10198-01     | 4-11         |
| 07-00228-00    | 16-35                  | 18-10198-02     | 4-11         |
| 07-00229-00    | 16-35                  | 18-10198-25     | 4-11         |
| 07-00238-00    | 16-35                  | 18-10201-20     | 1-2, 6-15    |
| 07-00243-10    | 16-35                  | 22-00119-03     | 30-62        |
| 07-00294-00    | 1-2, 16-35             | 22-00119-04     | 30-62        |
| 07-00294-05    | 1-2, 16-35             | 22-01292-02     | 26-53        |
| 07-00295-00    | 16-35                  | 22-01613-06     | 28-57        |
| 07-00304-00    | 16-35                  | 22-01613-07     | 28-57        |
| 07-00477-00    | 16-35                  | 22-01613-13     | 28-57        |
| 07-00569-00    | 16-35                  | 22-01614-06     | 28-57        |
| 07-00614-00    | 1-2, 25-50             | 22-01660-12     | 28-57        |
| 09-00375-00    | 16-34                  | 22-01660-14     | 28-57        |
| 10-00332-21SV  | 1-3, 26-53             | 22-01713-56     | 18-40        |
| 10-00431-00    | 29-60, 29-61           | 22-01944-00     | 28-57        |
| 10-00431-10    | 29-60, 29-61           | 22-01944-05     | 28-57        |
| 10-00431-11    | 26-53                  | 22-01944-10     | 28-57        |
| 10-00439-03    | 1-3, 26-53             | 22-02324-01     | 30-62        |
| 10-00526-00    | 26-53                  | 22-02336-08     | 16-34        |
| 10-00555-00    | 1-3, 27-54             | 22-02378-00PK10 | 1-3, 30-62   |
| 10-00560-01    | 1-3, 6-15              | 22-02448-02     | 28-57        |
| 10-00616-00    | 1-3, 27-54             | 22-04043-04     | 29-61        |
| 10-01129-07SV  | 1-3, 16-35             | 22-04044-00     | 29-61        |
| 10-01129-20    | 21-44                  | 22-04044-01     | 29-61        |
| 12-00309-08    | 1-2, 7-17              | 22-04412-00     | 31-63        |
| 12-00352-11    | 1-2, 7-17, 9-22        | 22-04418-01     | 28-58        |
| 12-00352-18    | 4-11                   | 22-04418-02     | 28-58        |
| 12-00395-01SV  | 1-3, 28-57             | 22-04418-04     | 28-58        |
| 12-00433-06RP  | 18-40                  | 22-04418-05     | 28-58        |
| 12-00433-09RP  | 1-2, 16-35             | 22-04418-06     | 28-58        |
| 12-00495-02SV  | 1-2, 28-57             | 22-04418-12     | 28-58        |
| 12-00500-01SV  | 1-2, 1-3, 11-25, 28-57 | 22-04419-00     | 28-58        |
| 12-00726-20    | 1-2, 28-58             | 22-04419-06     | 28-58        |
| 12-00822-00    | 16-34                  | 22-04419-18     | 28-58        |
| 12-00842-04    | 22-47                  | 22-04477-00     | 28-58        |
| 12-00842-08    | 22-47                  | 22-04544-00     | 28-57        |
| 12-50089-02PK4 | 1-3, 23-48             | 22-04545-00     | 28-58        |
| 12-50173-00    | 16-34                  | 22-04546-10     | 1-2, 6-15    |
| 12-55016       | 1-2, 16-34             | 22-04547-00     | 29-60, 29-61 |
| 14-00176-01    | 11-25                  | 22-04548-00     | 29-60        |
| 14-00222-05    | 1-3, 9-21              | 22-04548-03     | 29-61        |
| 14-00393-02SV  | 1-2, 11-25             | 22-50401-00     | 1-3, 30-62   |
| 14-00393-03    | 1-2, 9-22              | 22-50480-00     | 16-34        |
| 14-00393-10    | 1-2, 11-25             | 22-50481-00     | 16-34        |
| 14-00464-20    | 1-2, 9-21              | 22-50482-00     | 16-34        |
| 14-00464-40    | 9-22                   | 22-50485-00     | 16-34        |
| 14-00468-22    | 1-3, 9-21              | 22-50486-00     | 16-34        |
| 14-00469-22    | 1-3, 9-21              | 22-50487-00     | 16-34        |
| 14-00476-00    | 1-3, 9-22              | 22-66651-00     | 1-3, 30-62   |
| 18-10185-25    | 4-11                   | 22-66654-00     | 1-3          |
|                |                        | 22-66697-107    | 26-53        |

|                 |                                              |              |              |
|-----------------|----------------------------------------------|--------------|--------------|
| 22-66697-113    | 29-60, 29-61                                 | 34-06053-15  | 15-33        |
| 22-66697-115    | 19-42                                        | 34-06053-18  | 3-8          |
| 22-66697-25     | 26-53                                        | 34-06053-19  | 2-7          |
| 22-66793-00     | 26-53, 31-63                                 | 34-06053-20  | 6-15         |
| 22-66793-02     | 6-15                                         | 34-06053-29  | 6-15         |
| 22-66793-03     | 6-15                                         | 34-06107-00  | 18-41        |
| 22-66794-00     | 26-53, 31-63                                 | 34-06142-00  | 23-48, 24-49 |
| 22-66794-02     | 6-15                                         | 34-06169-00  | 18-41        |
| 22-66794-03     | 6-15                                         | 34-06185-01  | 2-7          |
| 22-66795-20PK10 | 1-3, 30-62                                   | 34-06212-17  | 3-8          |
| 22-66798-00     | 24-49, 36-71                                 | 34-06243-00  | 29-60, 29-61 |
| 22-69299-00     | 27-54                                        | 34-06251-01  | 25-50        |
| 24-00006-20     | 1-2, 12-26                                   | 34-06269-12  | 15-32, 34-69 |
| 30-00554-00     | 4-11                                         | 34-06277-07  | 6-15         |
| 30-00554-20     | 4-11                                         | 34-06354-00  | 26-53        |
| 30-00558-00     | 4-11                                         | 34-06407-00  | 6-15         |
| 30-00558-01     | 4-11                                         | 34-66627-00  | 3-8          |
| 30-00558-20pk10 | 4-11                                         | 34-66644-00  | 3-8          |
| 30-00558-21     | 4-11                                         | 34-66682-00  | 3-8          |
| 30-00558-22     | 4-11                                         | 34-66687-11  | 18-41        |
| 34-00373-51     | 7-17                                         | 34-66698-00  | 9-21         |
| 34-00373-52     | 11-25                                        | 38-00620-01  | 1-2, 8-19    |
| 34-00616-06     | 10-23                                        | 38-00626-00  | 1-2, 10-23   |
| 34-00655-04     | 20-43, 34-69                                 | 40-00168-02  | 7-17         |
| 34-00655-08     | 3-8, 10-23, 26-53                            | 40-00520-03  | 9-21         |
| 34-00655-10     | 12-26, 14-28, 15-32                          | 40-00542-01  | 9-21         |
| 34-00655-14     | 27-54                                        | 40-00583-18  | 1-2, 7-17    |
| 34-00655-18     | 7-17                                         | 40-00662-00  | 7-17         |
| 34-00663-07     | 26-53                                        | 40-00665-09  | 1-3, 7-17    |
| 34-00663-09     | 25-50, 26-53, 31-63                          | 40-00790-00  | 4-11         |
| 34-00663-11     | 3-8, 10-23, 11-25, 12-26, 15-33, 34-69       | 40-00790-01  | 4-11         |
| 34-00663-17     | 6-15                                         | 40-00792-00  | 4-11         |
| 34-00667-11     | 19-42                                        | 40-00812-02  | 7-17         |
| 34-00667-12     | 8-19                                         | 40-00812-03  | 7-17, 9-21   |
| 34-00792-07     | 15-33                                        | 40-00855-00  | 7-17         |
| 34-00795-09     | 7-17                                         | 40-00855-01  | 7-17, 9-21   |
| 34-00795-17     | 10-23                                        | 40-01124-00  | 7-17         |
| 34-00928-01     | 19-42, 34-69                                 | 40-66615-00  | 35-70        |
| 34-00928-07     | 34-69                                        | 40-66628-03  | 11-25        |
| 34-00928-09     | 34-69                                        | 40-66629-00  | 11-25        |
| 34-00928-13     | 5-12                                         | 42-00032-13  | 9-22         |
| 34-00928-20     | 2-7, 20-43                                   | 42-00032-16  | 17-38        |
| 34-01142-01     | 19-42                                        | 42-00296-01  | 2-7          |
| 34-01178-22     | 17-38, 26-53                                 | 42-00327-00  | 2-7          |
| 34-01178-23     | 17-38                                        | 42-00384-02  | 7-17         |
| 34-01181-01     | 8-19                                         | 42-00384-04  | 7-17         |
| 34-06053-00     | 6-15, 7-17, 9-21, 15-32, 17-38, 18-41, 32-64 | 42-00407-00  | 2-7          |
| 34-06053-02     | 6-15, 8-19                                   | 42-00425-109 | 11-25        |
| 34-06053-03     | 17-38                                        | 42-00425-112 | 7-17         |
| 34-06053-05     | 6-15, 7-17, 9-21, 15-33, 18-41, 24-49        | 42-00425-169 | 7-17         |
| 34-06053-13     | 26-53                                        | 42-00425-176 | 7-17         |
|                 |                                              | 42-00570-00  | 15-32        |
|                 |                                              | 42-00667-49  | 9-22         |

|              |                          |               |                            |
|--------------|--------------------------|---------------|----------------------------|
| 42-00741-00  | 18-41                    | 58-04279-00   | 17-38                      |
| 42-00805-06  | 1-3, 9-22                | 58-04315-00   | 15-33                      |
| 42-00838-00  | 3-8                      | 58-04316-00   | 15-32, 17-38, 29-60, 29-61 |
| 42-66008-01  | 17-38                    | 58-04321-31   | 17-38                      |
| 42-66617-00  | 5-12, 35-70              | 58-04366-00   | 18-41                      |
| 44-00285-54  | 7-17                     | 58-04508-10   | 15-32                      |
| 44-00361-01  | 15-33                    | 58-04539-16   | 15-33                      |
| 44-00370-03  | 6-15, 9-21, 11-25, 15-33 | 58-04539-24   | 15-33                      |
| 44-00370-04  | 6-15, 9-21               | 58-04539-25   | 15-33                      |
| 44-00370-08  | 11-25                    | 58-04539-26   | 15-33                      |
| 44-00391-00  | 18-40                    | 58-04935-00   | 15-32                      |
| 44-00477-00  | 18-41                    | 58-04954-00   | 18-41                      |
| 44-01041-04  | 17-38                    | 58-04968-00   | 15-32                      |
| 44-66608-01  | 15-32                    | 58-04968-03   | 15-33                      |
| 46-00025-09  | 1-2, 7-17                | 58-04980-00SV | 8-19                       |
| 54-00648-20  | 1-2, 10-23               | 58-04990-00   | 15-32                      |
| 54-00739-20  | 1-2, 8-19                | 58-05064-00   | 15-33                      |
| 56-08645-00  | 7-17                     | 58-05145-00   | 18-40                      |
| 56-08784-00  | 7-17                     | 58-05169-00   | 17-38, 25-50               |
| 56-09065-00  | 15-32                    | 58-66684-00   | 5-12                       |
| 56-09087-00  | 11-25                    | 58-66684-01   | 5-12                       |
| 56-09141-00  | 11-25                    | 58-66689-00   | 26-53                      |
| 56-09725-00  | 11-25                    | 58-66700-00   | 26-53                      |
| 56-09726-00  | 11-25                    | 58-66782-00   | 15-33                      |
| 56-09824-00  | 9-22                     | 58-66796-00   | 11-25                      |
| 56-09865-00  | 7-17                     | 62-02723-00   | 33-67                      |
| 56-09866-00  | 7-17                     | 62-02723-15   | 2-7                        |
| 56-09868-00  | 11-25                    | 62-02723-18   | 33-67                      |
| 56-09869-00  | 7-17                     | 62-10530-47   | 26-53                      |
| 56-09870-00  | 7-17                     | 62-10530-48   | 26-53                      |
| 56-09872-00  | 9-21                     | 62-10930-00   | 2-7                        |
| 58-00065-14  | 11-25                    | 62-11263-05   | 33-66                      |
| 58-00065-56  | 15-32                    | 62-11264-04   | 33-67                      |
| 58-00065-71  | 5-12                     | 62-11270-26   | 17-38                      |
| 58-00065-95  | 7-17                     | 62-11270-33   | 17-38                      |
| 58-00701-03  | 19-42                    | 62-11275-00   | 23-48                      |
| 58-00701-14  | 17-38                    | 62-11731-00   | 21-44                      |
| 58-01097-00  | 36-71                    | 62-11750-00   | 11-25                      |
| 58-04026-07  | 15-33, 31-63             | 62-11925-03   | 33-66                      |
| 58-04026-107 | 31-63                    | 62-11936-01   | 33-67                      |
| 58-04026-113 | 8-19                     | 62-12307-00   | 33-66                      |
| 58-04026-115 | 5-12                     | 62-12310-01   | 22-47                      |
| 58-04026-32  | 19-42                    | 62-12311-00   | 33-66                      |
| 58-04026-38  | 15-33                    | 62-12416-00   | 36-71                      |
| 58-04101-00  | 18-41                    | 62-12416-01   | 36-71                      |
| 58-04101-02  | 18-41                    | 62-12442-00   | 33-66                      |
| 58-04127-03  | 5-12                     | 62-12443-00   | 36-71                      |
| 58-04170-01  | 5-12                     | 62-12443-01   | 36-71                      |
| 58-04202-02  | 15-33                    | 62-12444-00   | 33-66                      |
| 58-04246-00  | 26-53                    | 62-66081-05   | 33-66                      |
| 58-04273-00  | 17-38                    | 62-66190-00   | 33-67                      |
| 58-04276-00  | 15-32                    | 62-66205-41   | 33-67                      |
| 58-04277-00  | 28-57                    | 62-66231-00   | 33-66                      |

|                    |                                                                          |                   |              |
|--------------------|--------------------------------------------------------------------------|-------------------|--------------|
| 62-66253-00        | 33-66                                                                    | 66-U---1--7842-12 | 1-2, 26-53   |
| 62-66268-00        | 33-66                                                                    | 66-U---1--7842-6  | 26-53        |
| 62-66270-00        | 36-71                                                                    | 66-U---1--7842-7  | 26-53        |
| 62-66270-01        | 36-71                                                                    | 66-U---1--8292-1  | 28-57        |
| 62-66273-00        | 36-71                                                                    | 66-U---1--9592-13 | 19-42        |
| 62-66273-01        | 36-71                                                                    | 66-U---1--9752    | 21-44        |
| 65-00233-00        | 1-3, 9-21                                                                | 68-11989-00       | 3-8          |
| 66CH---1--1002-33  | 2-7, 33-66                                                               | 68-12933-07       | 2-7          |
| 66CH---1--1172-2   | 15-33                                                                    | 68-12940-05       | 2-6          |
| 66CH---1--1172-24  | 26-53                                                                    | 68-14456-00       | 31-63        |
| 66CH---1--1172-26  | 17-38                                                                    | 68-14456-01       | 31-63        |
| 66CH---1--1172-34  | 26-53                                                                    | 68-15998-00       | 7-17         |
| 66CH---1--1172-43  | 15-33, 26-53                                                             | 68-16498-00       | 20-43        |
| 66CH---1--1172-87  | 19-42                                                                    | 68-16521-00       | 34-69        |
| 66-U-1---1--5321-8 | 25-50                                                                    | 68-16696-00       | 15-32        |
| 66-U---1--1571-3   | 11-25, 15-32                                                             | 68-16892-00       | 11-25        |
| 66-U---1--1571-33  | 17-38                                                                    | 68-17021-00       | 24-49        |
| 66-U---1--2403     | 18-40, 34-69                                                             | 68-17089-00       | 11-25        |
| 66-U---1--2403-1   | 18-41                                                                    | 68-17118-00       | 15-33        |
| 66-U---1--2552-185 | 2-7, 3-8                                                                 | 68-17145-08       | 14-28        |
| 66-U---1--2583     | 30-62                                                                    | 68-17145-13       | 14-28        |
| 66-U---1--2593-4   | 34-69                                                                    | 68-17154-00       | 15-32        |
| 66-U---1--3632-27  | 7-17                                                                     | 68-17175-00       | 34-69        |
| 66-U---1--3803     | 26-53                                                                    | 68-17188-00       | 15-32        |
| 66-U---1--3882     | 22-47                                                                    | 68-17196-00       | 15-33        |
| 66-U---1--3882-8   | 7-17                                                                     | 68-17345-00       | 15-32        |
| 66-U---1--5321-13  | 2-7                                                                      | 68-17405-00       | 26-53        |
| 66-U---1--5321-2   | 26-53, 29-61                                                             | 68-17419-05       | 15-32        |
| 66-U---1--5321-3   | 11-25, 12-26, 14-28, 15-32, 19-42, 20-43, 34-69                          | 68-17419-09       | 15-32        |
| 66-U---1--5321-5   | 6-15                                                                     | 68-17578-00       | 11-25        |
| 66-U---1--5321-7   | 6-15, 7-17, 9-21, 15-33, 17-38, 26-53, 31-63, 32-64                      | 68-17783-00       | 29-60, 29-61 |
| 66-U---1--5321-8   | 5-12, 6-15, 13-27, 15-33, 17-38, 18-40, 22-46, 24-49, 26-53              | 68-17939-00       | 15-33        |
| 66-U---1--5321-9   | 6-15                                                                     | 68-17947-04       | 15-32        |
| 66-U---1--5361     | 8-19                                                                     | 68-17958-00       | 15-33        |
| 66-U---1-5361-11   | 12-26                                                                    | 68-17959-00       | 15-33        |
| 66-U---1--5361-25  | 6-15, 8-19, 9-21, 11-25, 14-28, 15-33, 17-38, 20-43, 31-63, 32-64, 34-69 | 68-18023-00       | 34-69        |
| 66-U---1--5361-47  | 15-33                                                                    | 68-18031-00       | 15-33        |
| 66-U---1--5361-8   | 6-15                                                                     | 68-18032-00       | 12-26        |
| 66-U---1--5362-2   | 2-7                                                                      | 68-18042-00       | 15-32        |
| 66-U---1--5371     | 26-53                                                                    | 68-18285-00       | 15-33        |
| 66-U---1--5371-10  | 5-12, 7-17, 13-27                                                        | 68-18286-02       | 15-33        |
| 66-U---1--5371-6   | 6-15, 9-21, 11-25, 15-33, 17-38, 26-53                                   | 68-18355-00       | 20-43        |
| 66-U---1--5371-7   | 11-25, 15-33, 17-38, 18-40, 22-46, 23-48, 24-49, 26-53, 31-63            | 68-18416-00       | 29-60        |
| 66-U---1--5381-1   | 11-25                                                                    | 68-18804-00       | 15-32        |
| 66-U---1--5381-4   | 11-25                                                                    | 68-18804-02       | 15-32        |
| 66-U---1--5562-2   | 2-6, 14-28                                                               | 68-18808-00       | 9-22         |
| 66-U---1--5562-7   | 19-42                                                                    | 68-18809-00       | 7-17         |
| 66-U---1--6651-19  | 26-53                                                                    | 68-18915-00       | 32-64        |
|                    |                                                                          | 68-18916-00       | 32-64        |
|                    |                                                                          | 68-18916-01       | 32-64        |
|                    |                                                                          | 68-18949-00       | 27-54        |
|                    |                                                                          | 68-19189-00       | 9-22         |
|                    |                                                                          | 68-19369-00       | 15-32        |

|                                       |                                              |
|---------------------------------------|----------------------------------------------|
| 68-19506-00                           | 15-32                                        |
| 68-19506-02                           | 15-32                                        |
| 68-19528-00                           | 6-15                                         |
| 68-19530-00                           | 6-15                                         |
| 68-86230-00                           | 19-42                                        |
| 68-86304-00                           | 34-69                                        |
| 68-86319-00                           | 34-69                                        |
| 68-86425-00                           | 15-32, 15-33                                 |
| 68-86542-04                           | 15-32                                        |
| 68-86542-07                           | 15-32                                        |
| 68-86552-02                           | 15-32                                        |
| 68-86553-02                           | 15-32                                        |
| 68-86554-00                           | 15-32                                        |
| 68-86554-03                           | 15-32                                        |
| 69NT--35--2692                        | 34-69                                        |
| 69NT--35--2692-1                      | 3-8, 8-19, 10-23, 12-26, 14-28, 15-32, 17-38 |
| 69NT--35--2692-4                      | 26-53                                        |
| 69NT--35--3452                        | 8-19                                         |
| 69NT--35--3452-1                      | 8-19                                         |
| 69NT--35--3452-2                      | 8-19                                         |
| 69NT--35--3452-3                      | 8-19                                         |
| 69NT--35--8012                        | 5-12                                         |
| 69NT--35--9073-1                      | 26-53                                        |
| 69NT--43---295                        | 10-23                                        |
| 74-00325-00                           | 1-3                                          |
| 76-00675-04                           | 1-2, 13-27                                   |
| 76-00816-00                           | 1-2, 1-3, 28-58                              |
| 76-00932-00                           | 1-3, 6-15                                    |
| 76-66665-00                           | 2-7                                          |
| 76-66678-01                           | 4-11                                         |
| 76-66683-00                           | 1-2, 10-23                                   |
| 76-66694-00                           | 1-2, 13-27                                   |
| 76-66705-00                           | 1-2, 28-58                                   |
| 76-66719-00                           | 1-3                                          |
| 79-01697-06SV                         | 1-3, 3-8                                     |
| 79-04244-02, 79-04244-03, 79-04244-04 | 20-43                                        |
| 79-04317-01                           | 36-71                                        |
| 79-04317-07                           | 36-71                                        |
| 79-04318-00                           | 9-22                                         |
| 79-04451-00                           | 1-2                                          |
| 79-66017-00                           | 18-40, 18-41                                 |
| 79-66060-00                           | 34-69                                        |
| 79-66060-13                           | 34-69                                        |
| 79-66081-21                           | 1-2, 25-50                                   |
| 79-66669-05                           | 1-3, 16-35, 18-40                            |
| 79-666743-01                          | 23-48                                        |
| 79-66743-00                           | 23-48                                        |
| 79-66743-02                           | 24-49                                        |
| 79-66747-00                           | 14-28                                        |
| 79-66747-02                           | 14-28                                        |
| 79-66771-01                           | 2-6                                          |
| 79-66775-00                           | 23-48                                        |
| 79-66778-00                           | 1-3                                          |

|                  |            |
|------------------|------------|
| 79-66780-01      | 1-3, 2-6   |
| 79-66787-01      | 4-11       |
| 81-04237-20      | 1-2, 9-22  |
| 81-04350-20      | 1-2, 11-25 |
| 81-04410-00      | 9-21       |
| 86-04956-00      | 12-26      |
| 86-05299-01      | 20-43      |
| 86-05315-04      | 20-43      |
| 86-05315-11      | 20-43      |
| 86-05343-00      | 26-53      |
| 86-05387-01      | 15-33      |
| 86-05571-00      | 15-32      |
| 86-05571-04      | 15-32      |
| 86-05571-05      | 15-32      |
| 86-66756-00      | 18-41      |
| 91-00519-04      | 29-60      |
| 91-00519-08      | 29-61      |
| 99TS0440CK001500 | 7-17       |

## A

|                                   |              |
|-----------------------------------|--------------|
| --AA--06JA-170                    | 15-32, 34-69 |
| Adapter Cable                     | 16-34        |
| Ambient Temperature Sensor (AMBS) | 1-2, 28-57   |
| --AT--39JA-171                    | 19-42, 22-46 |
| AU27JR131                         | 18-40        |
| --AU--27JR-171                    | 19-42, 22-46 |
| AU27JR171                         | 17-38        |

## B

Battery, Real Time Clock 16-34

## C

Circuit Breaker (CB1) 1-2, 26-53

Compressor 1-2

Compressor Discharge Temperature Sensor (CPDS) 1-2

Condenser Coil, MCHE 1-2

Condenser Fan 1-2, 8-19

Condenser Fan Motor, Dual Speed 8-19

Condenser Fan Motor, Single Speed 1-2

Controller Battery, Battery Pack 1-2, 25-50

Controller Battery, Smart Battery Charger 1-2, 25-50

Controller Harness Test Tool 16-34

Controller Module, ML5 1-2, 16-34

## D

Defrost Temperature Sensor (DTS) 1-2, 28-57

Discharge / High Side Service Valve 1-2

Discharge Pressure Transducer (DPT) 1-2

Display Module 1-2, 16-35, 18-40

## E

|                                  |      |
|----------------------------------|------|
| --EC--39DM-070                   | 7-17 |
| Economizer Expansion Valve (EXV) | 1-2  |

Economizer Heat Exchanger Assembly 1–2  
 Economizer Pressure Transducer (ECP) 1–2  
 Economizer Solenoid Valve (ESV), Coil 1–2  
 Economizer Temperature Sensor (ECT) 1–2  
 Electronic Expansion Valve (EEV), Body 1–2, 11–25  
 Electronic Expansion Valve (EEV), Coil 1–2, 11–25  
 Evaporator Coil 1–2, 11–25  
 Evaporator Coil Heater 1–2, 12–26  
 Evaporator Fan 1–2, 10–23  
 Evaporator Fan Motor 10–23  
 Evaporator Fan Motor (EM1, EM2) 1–2  
 Evaporator Pressure Transducer (EPT) 1–2, 28–58  
 Evaporator Stator and Stator Ring 1–2  
 Evaporator Temperature Sensor (ETS1/ETS2) 1–2, 11–25, 28–57  
 EverFRESH Air Compressor (EAC) 4–11

## **F**

Filter Drier 1–2

## **G**

Gauge Set, Manifold - English 1–2, 16–35  
 Gauge Set, Manifold - Metric 1–2, 16–35

## **H**

Heat Termination Thermostat (HTT) 1–2, 28–58  
 Heater 1–2, 12–26  
 High Pressure Switch (HPS) 1–2  
 Humidity Sensor (HS) 1–2, 13–27

## **I**

Indicator, Sightglass 1–3, 9–21

## **K**

Key Pad Assembly 1–3, 16–35, 18–40  
 King Valve 1–3

## **L**

Liquid Line Service Valve 1–3

## **M**

Micro Flash Drive 16–34

## **P**

Panel Assembly, Standard Evaporator Panel 1–3, 3–8  
 Panel Assembly, Upper Air Exchange 1–3  
 Power Cable 460V, 10 Gauge 1–3, 30–62  
 Power Cable 460V, 11 Gauge 1–3, 30–62  
 Power Cable Assembly 1–3  
 Power Plug 1–3, 30–62  
 Power Plug, Rotating 1–3

## **R**

Receiver Assembly 1–3

Return Recorder Sensor (RRS) 1–3, 28–57  
 Return Temperature Sensor (RTS) 1–3, 28–57

## **S**

Sightglass 1–3, 9–21  
 Suction / Low Side Service Valve 1–3  
 Suction Pressure Transducer (SPT) 1–3, 28–58  
 Supply Recorder Sensor (SRS) 1–3, 28–57  
 Supply Temperature Sensor (STS) 1–3, 28–57

## **T**

Toggle Switch Start / Stop (ST) 1–3, 16–35  
 Transformer, Control 1–3, 26–53  
 Transformer, Current Sensing 1–3, 26–53

## **U**

USB Flash Drive 16–34  
 USDA Sensor, 4 Pack 1–3, 23–48

## **V**

Vacuum Pump 1–3, 16–35  
 Variable Frequency Drive (VFD) 1–3  
 Variable Frequency Drive (VFD) Fan 1–3  
 Vent Position Sensor (VPS) 1–3, 2–7







Carrier Transicold Division,  
Carrier Corporation  
P.O. Box 4805  
Syracuse, NY 13221 USA

[www.carrier.com/container-refrigeration/](http://www.carrier.com/container-refrigeration/)