Carrier®

Container Refrigeration

SERVICE PARTS LIST
for
69NT40-551-500 to 549
Container Refrigeration Units

T-334PL Rev A – Change 01/07

Carrier

TRANSICOLD

SERVICE PARTS LIST
CONTAINER REFRIGERATION UNIT

MODEL
69NT40-551-500 to 549

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INTRODUCTION

1 INTRODUCTION

The Carrier Transicold model 69NT40-551-500 to 549 series units are of lightweight aluminum frame construction, designed to fit in the front of a container and serve as the container's front wall.

2 CONFIGURATION IDENTIFICATION

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

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

3 OPTION DESCRIPTIONS

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

3.1 Battery

The refrigeration controller may be fitted with rechargeable battery packs, which may be fitted in the standard or in a secure location.

3.2 Dehumidification

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

3.3 Control Box

Units are equipped with either an aluminum material box and may be fitted with a lockable door.

3.4 Temperature Readout

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

3.5 Pressure Readout

The unit is fitted with suction and discharge transducers. The transducer readings may be viewed on the controller display.

3.6 USDA

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

3.7 Interrogator

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

3.8 Remote Monitoring

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

3.9 Communications

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

3.10 Compressor

The unit is fitted with a scroll compressor with either standard piping (equipped with suction, discharge, economizer and oil return service valves) or with semi-hermetic piping (equipped with suction, discharge and economizer service connections).

3.11 Condenser Coil

The unit is fitted with a 4 row coil using 7mm tubing.

3.12 Autotransformer

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

3.13 Temperature Recorder

The units may be fitted with an electronic temperature recording device manufactured by the Partlow Corporation.

3.14 Gutters

Rain gutters may be fitted over the control box and recorder section to divert rain away from the controls. The various gutters available include standard length bolted gutters, extended length gutters and riveted gutters.

3.15 Handles

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

3.16 Thermometer Port

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

3.17 Water Cooling

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

3.18 Back Panels

Back panel designs that may be fitted include panels of aluminum and stainless steel. Panels may have access doors and/or hinge mounting.

3.19 460 Volt Cable

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

3.20 230 Volt Cable

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

3.21 Cable Restraint

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

3.22 Upper Air (Fresh Air Make Up)

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

3.23 Lower Air (Fresh Air Make Up)

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

3.24 Evaporator

Evaporator section is equipped with a hermetic thermal expansion valve. The evaporator may also be equipped with an expansion valve bypass assembly (XBSV).

3.25 Labels

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

3.26 Plate Set

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

3.27 Controller

Two controllers are available:

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

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

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

3.28 Stepper Drive

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

3.29 Condenser Grille

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

3.30 Emergency Bypass

The unit may be equipped with switches to allow emergency bypass of the controller. The Emergency Bypass switch functions to bypass the controller in the event of controller failure.

OPTION LEGEND

General	
-	Feature Not Applicable
X	Features Installed
P	Factory Installation of Equipment to Allow Field Installation (Provision)
Autotransformer Codes	
1	Transformer Fitted
2	Transformer With CB2 Fitted
Back Panel Codes	
1	Bolted Panels
2	Hinged Panels
Battery Codes	
S	Standard (throw away) Cells
R	Rechargeable Cells
Bulkhead Penetration Codes	
1	Not Installed
2	Installed
Cable and Compressor Guards	
1	Standard Guard, 460 V Cable
2	Standard Guard, Transicord
3	Full Guard, 460 V Cable
4	Full Guard, Transicord
Cable Restraint Codes	
1	Cable Door
2	Left Bungy Cord Only
3	J-Hook
R	Dummy Receptacle
Communications Codes	
1	Standard
2	High Data Rate
4	Low Data Rate
Compressor Codes	
S	Scroll
SS	Scroll with Semi-Hermetic Piping
Condenser Grille Codes	
B	Bolted Grille
H	Hinged Grille
Control Box Preparation Codes	
1	Aluminum Box with Latch Fastener
2	Aluminum Box with Screw Fastener
3	Aluminum Box with Locking Screw Fastener

Control Box Door Codes	
1	Units WIthout Voltage Shield
2	Standard Door, Slotted Screw
3	Standard Door, Wing Screw
4	Door with Flat Window, Wing Screw
5	Latching Door
6	Standard Door, Slotted Screw, EBS
7	Standard Door, Slotted Screw, Hour Meter Hole
Controller Components and Wiring Codes	
1	Standard Wiring, No Voltage Shield
2	Wiring, No Voltage Shield, Secure Battery
3	Wiring, No Voltage Shield, EBS
4	Standard Wiring, with Voltage Shield
Evaporator Codes	
7	Standard Thermostatic Expansion Valve
8	Thermostatic Expansion Valve with Bypass Assembly
Gutter Codes	
1	Standard Length Bolted Gutters
4	Riveted Gutters
Handle Codes	
2	Two Sides
Interrogator Codes	
7	Control Box, with/without Voltage Shields, with EBS
8	Control Box, with/without Voltage Shields
9	Left Side, without Voltage Shields
10	Left Side, with Voltage Shields
11	Left Side, with/without Voltage Shields, with EBS
Label Codes	
1	English
2	English / Spanish
5	English / Traditional Chinese
Lower Air Codes	
1	Lower Fresh Air Not Installed
2	Lower Fresh Air Installed
4	Lower Fresh Air With Screens and VPS Installed
Pressure Readout Codes	
T	Pressure Transducers

Receiver Codes	
1	Standard Receiver
2	Small Receiver, without King Valve
Remote Monitoring Receptacle and Switch Panel	
1	No RM, Start Switch Plate
2	No RM, Start Switch Plate with Boot
3	No RM, Compressor Fan Switch Switch Plate
4	No RM, Manual Defrost (MD) Switch Plate
5	No RM, MD Switch Plate with Boot
6	No RM, Amber Defrost Light Switch Plate
7	No RM, Red Defrost Light Switch Plate
8	With Internal RM Switch Plate
9	With Internal RM, MD Switch Plate
10	With Internal RM, Amber Defrost Light Switch Plate
11	With External RM Switch Plate
Temperature Recorder Codes	
9	No Temperature Recorder
12	Special Electronic Partlow
13	Standard Electronic Partlow
Thermometer Port Codes	
1	Supply Air Port
2	Return Air Port
B	Both Ports

Upper Air Codes	
1	Upper Fresh Air Not Installed
2	Upper Fresh Air Installed
3	Upper Fresh Air Installed With Screen
4	Upper Fresh Air Installed With VPS
5	Upper Fresh Air Installed on Right Side
6	Upper Fresh Air Installed, Provisioned for VPS
USDA Codes	
D	Option D
V	Option V
1	Option 1
2	Option 2
230 and 460 Volt Cable Codes	
1	Option1
2	Option 2
3	Option 3
4	Option 4
5	Option 5
6	Option 6
7	Option 7
8	Option 8
9	Option 9
Water Cooling Codes	
W	Water Pressure Switch
F	Condenser Fan Switch

4 ORDERING INSTRUCTIONS

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

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

5 LETTER DESIGNATIONS

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

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

1 QUICK LIST - CLAMPS, FILTER-DRIER, FUSE, TY-WRAPS, WIRE TERMINALS	
PART NO.	**DESCRIPTION**
34-00373-51	Clamp, Tube, 1/4 - SST
34-00373-53	Clamp, Tube, 3/8 - SST
34-00373-05	Clamp, Tube, 1/2 - SST
34-00373-07	Clamp, Tube, 5/8 - SST
34-00373-59	Clamp, Tube, 3/4 - SST
34-00373-11	Clamp, Tube, 7/8 - SST
34-00373-65	Clamp, Tube, 1-1/8 - SST
34-00373-88	Clamp, Tube, 1-1/4 - SST
34-00373-69	Clamp, Tube, 1-3/8 - SST
34-00373-71	Clamp, Tube, 1-1/2 - SST
22-00066-01	Connector, Butt End, Wire Range - 22 to 16 AWG
22-00066-02	Connector, Butt End, Wire Range - 16 to 14 AWG
22-00066-03	Connector, Butt End, Wire Range - 12 to 10 AWG
22-00041-00	Connector, Closed End, Wire Range - 22 to 14 AWG
22-00041-02	Connector, Closed End, Wire Range - 18 to 10 AWG
14-00311-02SV	Filter-Drier
22-02336-02	Fuse, 5 Amp (F1 & F2)
22-02336-04	Fuse, 10 Amp (FEB)
22-02336-08	Fuse, 7.5 Amp (F3A & F3B)
22-01140-01	Ring Terminal, #6, Wire Range - 12 to 10 AWG
22-01140-02	Ring Terminal, #10, Wire Range - 12 to 10 AWG
22-01140-04	Ring Terminal, 3/8, Wire Range - 12 to 10 AWG
22-00119-04	Ring Terminal, 1/4, Wire Range - 12 to 10 AWG
22-00120-04	Ring Terminal, #10, Wire Range - 16 to 14 AWG
22-00120-07	Ring Terminal, 5/16, Wire Range - 16 to 14 AWG
22-00121-07	Ring Terminal, #10, Wire Range - 22 to 16 AWG
22-01139-04	Ring Terminal, 3/8, Wire Range - 16 to 14 AWG
22-01141-01	Spade Terminal, 1/4 x 5/16, Wire Range - 16 to 14 AWG
22-00595-01	Spade Terminal, 3/8, Wire Range - 12 to 10 AWG
22-01106-00	Spiral Wrap, 1/4 Diameter x 25 ft. Long
22-01107-00	Spiral Wrap, 1/2 Diameter x 25 ft. Long
66U1-3803	Tube, Heat Shrink, 1/4 ID x 2-1/8 Long
66U1-3803-1	Tube, Heat Shrink, 1/2 ID x 2-3/4 Long
44-01043-05	Ty-Wraps, 5-1/2 inches Long
44-01043-07	Ty-Wraps, 11.00 inches Long
22-50007 Series	Wire Markers
07-00345-00	Sealant, Pipe (Used to seal fittings on unit with R-134a)
07-00313-00	Cleaner, Coil
74-50137-00	Paint, One Coat, 1 Compressor
74-50137-01	Paint, One Coat, 20 Compressors
74-50137-10	Paint, Two Coats, 1 Compressor
74-50137-11	Paint, Two Coats, 20 Compressors

2 REFRIGERATION UNIT ASSEMBLY

2.1 REFRIGERATION UNIT - AREA LOCATOR

2.1 REFRIGERATION UNIT - AREA LOCATOR (Continued)		
Item	**Section Number**	**Area Description**
1	Refer to Section 2.2	Upper Fresh Air Make-up
2	Refer to Section 2.3	Access Panel
3	Refer to Section 2.4	Bulkhead Penetration - Upper Air Exchange
4	Refer to Section 2.5	Thermometer Port
5	Refer to Section 2.6	Rain Gutters
6	Refer to Section 2.7	USDA
7	Refer to Section 2.8	Control Box - Door
8	Refer to Section 2.9	Control Box - Wiring
9	Refer to Section 2.10	Control Box - RMU Receptacle and Switch Panel - No RM and Internal Views
10	Refer to Section 2.11	Control Box - RMU Receptacle and Switch Panel - External View
11	Refer to Section 2.12	Control Box - Remote Monitoring Unit (RMU)
12	Refer to Section 2.13	Control Box - Controller Module Section and Software Cards
13	Refer to Section 2.14	Control Box Preparation
14	Refer to Section 2.15	Controller Hardware, Clamps and Display - Facing View
15	Refer to Section 2.16	Controller Hardware, Clamps and Display - Details
16	Refer to Section 2.17	Controller Hardware, Clamps and Display - Rear View
17	Refer to Section 2.18	Handles
18	Refer to Section 2.19	Compressor Transducers / Pressure Switch
19	Refer to Section 2.20	Compressor, Mounting Components and Guard
20	Refer to Section 2.21	Compressor Tubing
21	Refer to Section 2.22	Cable and Compressor Guards
22	Refer to Section 2.23	Economizer
23	Refer to Section 2.24	Receiver
24	Refer to Section 2.25	Water-Cooled Condenser
25	Refer to Section 2.26	Condenser Coil and Covers
26	Refer to Section 2.27	Condenser Fan Motor
27	Refer to Section 2.28	Voltage Cables
28	Refer to Section 2.29	Autotransformer
29	Refer to Section 2.30	Cable Restraint Components
30	Refer to Section 2.31	Interrogator Receptacle
31	Refer to Section 2.32	Vacuum Relief Valve / Controlled Atmosphere Option
32	Refer to Section 2.33	Drain
33	Refer to Section 2.34	Electronic Temperature Recorder - Options 9 and P
34	Refer to Section 2.35	Electronic Temperature Recorder - Options 12 and 13
35	Refer to Section 2.36	Bulkhead Penetration - Lower Air Exchange
36	Refer to Section 2.37	Lower Fresh Air Make-up
37	Refer to Section 2.38	Labels and Decals
38	Refer to Section 2.39	Evaporator Tubing and Coil
39	Refer to Section 2.40	Evaporator Fan Assembly
40	Refer to Section 2.41	Heaters and Sensors
41	Refer to Section 2.42	Back Panel Assembly
NS	Refer to Section 3.1	DataLine/Data Reader

2.2 UPPER FRESH AIR MAKE-UP

2.2 UPPER FRESH AIR MAKE-UP (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 1 - NO UPPER FRESH AIR - PLAIN PANEL			
-	79-01697-06SV	Panel, Access - Includes:	A/R
1	58-04378-01	Panel, Access, Evaporator	1
2	42-00296-01	Gasket, Evaporator Access Panel	1
3	42-00327-00	Gasket, - 0.26 x 0.50 Halfmoon	1
4	68-11989-00	Cover, Top, Evaporator Access Panel	1
5	34-06154-00	Screw, HXHD, 1/4-20 x 1.00 Long - TIR	2
6	34-00655-08	Screw, HXHD, 1/4-20 x 1.00 Long	6
7	34-006212-12	Washer, Flat, 1/4 - SST	8
8	34-06053-13	Washer, Mylar, 1/4 ID x 0.80 OD	8
9	66U1-5562-2	Plug Button, 1.25 Diameter Hole	1
STANDARD PARTS INCLUDED FOR OPTIONS 2 THROUGH 5			
7	34-006212-12	Washer, Flat, 1/4 - SST	8
8	34-06053-13	Washer, Mylar, 1/4 ID x 0.80 OD	8
9	66U1-5562-2	Plug Button, 1.25 Diameter Hole	1
10	34-06185-01	Screw, Machined, #8-32 x 0.50 with Nylock	1
11	66U1-5321-13	Washer, Plain 5/16 W Type A - SST	1
12	66U1-5362-2	Nut, Wing, 5/16-18 - SST	1
13	34-06053-19	Washer, Mylar 1.00 OD x 0.312 ID	1
14	42-00407-00	Gasket, 0.50 Fresh Air Disc	1
15	58-00969-00	Wire Tie 2.80 Diameter, Double Loop	1
OPTION 2 - UPPER FRESH AIR INSTALLED			
See Previous Section for Standard Parts and use with Items Below:			
1	58-04376-03	Panel, Access, UFA without Captive Fasteners - Includes:	1
2	42-00296-01	Gasket, Evaporator Access Panel	1
3	42-00327-00	Gasket, 0.26 x 0.50 Halfmoon	1
4	68-12940-00	Cover, Top, Evaporator Access Panel	1
5	34-06154-00	Screw, HXHD, 1/4-20 x 1.00 Long - TIR	2
6	34-00655-08	Screw, HXHD, 1/4-20 x 1.00 Long	6
16	68-12933-00	Disc, 12.35 Diameter	1
17	66U1-8292-1	Cap, Insulating 0.125 OD Black	3
18	66CH1-1172-2	Trim, Flexible 2.00 Long	1
OPTION 3 - UPPER FRESH AIR INSTALLED WITH SCREENS - USE ALL OF OPTION 2 AND ITEM BELOW			
19	58-04251-00	Screen, Medfly, USDA, 16 x 16	2
OPTION 3 - UPPER FRESH AIR INSTALLED WITH SCREENS			
See Previous Section for Standard Parts and use with Items Below:			
1	58-04376-01	Panel, Access with Screen, Medfly, 10 x 10 - Includes:	1
2	42-00296-01	Gasket, Evaporator Access Panel	1
3	42-00327-00	Gasket, 0.26 x 0.50 Halfmoon	1
5	34-06154-00	Screw, HXHD, 1/4-20 x 1.00 Long - TIR	2
6	34-00655-08	Screw, HXHD, 1/4-20 x 1.00 Long	6
4	68-12940-00	Cover, Top, Evaporator Access Panel	1
16	68-12933-00	Disc, 12.35 Diameter	1
17	66U1-8292-1	Cap, Insulating 0.125 OD Black	3
18	66CH1-1172-2	Trim, Flexible 2.00 Long	1

2.2 UPPER FRESH AIR MAKE-UP (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 4 - UPPER FRESH AIR INSTALLED WITH VENT POSITIONING SENSOR (VPS)			
See Previous Page for Standard Parts and use with Items Below:			
1	79-01902-01	Panel, Access, UFA, VPS - Includes:	A/R
	79-01902-00	Panel, Access, UFA, VPS, Orange - Includes:	A/R
2	42-00296-01	Gasket, Evaporator Access Panel	1
3	42-00327-00	Gasket, 0.26 x 0.50 Halfmoon	1
15	58-00969-00	Wire Tie 2.80 Diameter, Double Loop	1
18	66CH1-1172-2	Trim, Flexible 2.00 Long	1
20	22-01613-10	Plug, 4 Pin, DTT	1
21	22-01613-13	Contact, Socket #16	3
22	22-01613-11	Lock, 4 Pin (P) Secondary	1
4	68-12940-05	Cover, Top, Upper Fresh Air, VPS, White	1
	68-12940-03	Cover, Top, Upper Fresh Air, VPS, Orange	1
5	34-06154-00	Screw, HXHD, 1/4-20 x 1.00 Long - TIR	2
6	34-00655-08	Screw, HXHD, 1/4-20 x 1.00 Long	6
16	68-12933-07	Disc, VPS, White	1
	68-12933-05	Disc, VPS, Orange	1
17	22-01660-08	Plug, 0.12 Diameter x 0.58	1
23	12-00603-00	Sensor, Rotary Position	1
24	68-14815-00	Bracket, Sensor 0.063 Thick Aluminum	1
25	68-14903-00	Plate, 0.063 Thick SST	1
26	34-66622-05	Nut, Self Lock	1
27	62-10930-00	Label, VPS	1
28	34-00928-02	Rivet, Blind 0.125 Diameter 0.126-0.187	2
OPTION 5 - UPPER FRESH AIR INSTALLED ON RIGHT HAND SIDE			
See Previous Page for Standard Parts and use with Items Below:			
1	58-04376-03	Panel, Access, UFA without Captive Fasteners - Includes:	1
2	42-00296-01	Gasket, Evaporator Access Panel	1
3	42-00327-00	Gasket, 0.26 x 0.50 Halfmoon	1
5	34-06154-00	Screw, HXHD, 1/4-20 x 1.00 Long - TIR	2
6	34-00655-08	Screw, HXHD, 1/4-20 x 1.00 Long	6
4	68-12940-00	Cover, Top, Evaporator Access Panel	1
16	68-12933-00	Disc, 12.35 Diameter	1
OPTION 6 - UPPER FRESH AIR INSTALLED, PROVISIONED FOR VPS			
See Previous Page for Standard Parts and use with Items Below:			
1	58-04376-03	Panel, Access, UFA without Captive Fasteners - Includes:	1
2	42-00296-01	Gasket, Evaporator Access Panel	1
3	42-00327-00	Gasket, 0.26 x 0.50 Halfmoon	1
5	34-06154-00	Screw, HXHD, 1/4-20 x 1.00 Long - TIR	2
6	66U1-5361-50	Screw, HXHD, 1/4-20 x 1.00 Long SST	6
4	68-12940-00	Cover, Top, Evaporator Access Panel	1
16	68-12933-00	Disc, 12.35 Diameter	1
18	66CH1-1172-2	Trim, Flexible 2.00 Long	1
17	66U1-8292-1	Cap, Insulating 0.125 OD Black	3

2.3 ACCESS PANEL

Item	Part Number	Description	Qty
ACCESS PANEL ONLY			
1	79-01697-06SV	Panel, Access, Evaporator, White - Includes:	A/R
1	79-01697-17SV	Panel, Access, Evaporator, Orange - Includes:	A/R
2	42-00327-00	Gasket, 0.26 x 0.50 Halfmoon	1
3	42-00296-01	Gasket, Evaporator Access Panel	1
4	68-11989-00	Cover, Top, Evaporator Access Panel, White	A/R
	68-11989-01	Cover, Top, Evaporator Access Panel, Orange	A/R
5	34-06154-00	Screw, HXHD, 1/4-20 x 1.00 Long - TIR	2

2.4 BULKHEAD PENETRATION - UPPER AIR EXCHANGE

OPTION 1

OPTION 2

Item	Part Number	Description	Qty
OPTION 1 - NOT INSTALLED			
1	58-00616-00	Plug, Hole 2.00 Diameter x 0.12 Panel	1
2	66U1-5562-2	Plug Button, 1.25 Diameter Hole	1
OPTION 2 - STANDARD INSTALLED			
3	58-04290-01	Fitting, Bulkhead	1
4	34-00928-04	Rivet, Blind, 1/8 Diameter, Grip Range 1/4 - 5/16	4
5	22-01602-02	Bushing, 0.625 ID x 0.88 Long	1
6	58-04302-01	Grommet, 0.25 ID x 1.25 Long	1
7	69NT35-8258	Disc, 0.040 Thick Aluminum	1
8	22-01602-03	Gotcha Ring, 0.312-0.375	1
9	22-01733-01	Nut, Straight (with TIR Holes)	1
10	34-06154-00	Screw, Captive HXHD 1/4-20 x 1.00 TIR	1
11	34-06053-00	Washer, 0.250 ID x 0.800 OD	1
12	66U1-5321-7	Washer, Plain 1/4 W Type A	1

2.5 THERMOMETER PORT

Item	Part Number	Description	Qty
OPTION 1 - SUPPLY AIR PORT			
1	66U1-8662	Cap & Chain Assembly	1
2	62-10557-00	Label	1
OPTION 2 - RETURN AIR PORT			
3	66U1-8662	Cap & Chain Assembly	1
4	62-10557-00	Label	1
OPTION B - SUPPLY AND RETURN PORTS			
1 & 3	66U1-8662	Cap & Chain Assembly	2
2 & 4	62-10557-00	Label	2

2.6 RAIN GUTTERS

Item	Part Number	Description	Qty
OPTION 1 - BOLTED			
1	69NT35-3997-1	Gutter, Rain (Bolted, Standard - Left Side)	1
2	69NT35-3987	Gutter, Rain (Bolted, Standard - Right Side)	1
OPTION 4 - RIVETED			
3	68-12417-00	Gutter, Rain **(**Riveted - Right and Left Side)	2
4	34-00928-13	Rivet, Blind 0.187 Diameter 0.126-0.250	6

2.7 USDA

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OPTION D
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OPTION V
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OPTION P
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12
OPTION 1 OR 2

2.7 USDA (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION D			
1	22-01660-00	Receptacle (PR1, PR2, PR3, Cargo Probe 4) (3 Pin)	4
2	22-01660-08	Plug, Sealing	4
3	69NT43-175	Cap, Dust, with Tether (3 Pin)	4
4	22-01613-14	Contact, Pin, #16 (**Used with 22-01660-00 & 22-01660-03)**	17
5	22-01660-03	Receptacle, Interrogator (**ICR)** (5 Pin)	1
6	69NT43-176	Cap, Dust, with Chain (5 Pin)	1
7	22-01660-04	Plug, Interrogator Socket (ICR) (5 Pin)	1
OPTION V			
1	22-01660-00	Receptacle (PR1, PR2, PR3, Cargo Probe 4) (3 Pin)	4
2	22-01660-08	Plug, Sealing	4
3	69NT43-175	Cap, Dust, with Tether (3 Pin)	4
4	22-01613-14	Contact, Pin, #16 (**Used with 22-01660-00)**	12
5	22-02412-00	Receptacle, Interrogator (5 Pin)	1
8	22-02413-00	Cap, Dust, with Tether (5 Pin)	1
OPTION P			
9	68-14982-00	Channel Assembly, 0.63 Thick Aluminum	1
10	34-00928-09	Rivet, Blind, 0.156 Diameter	6
FIELD INSTALLED KITS (for units with USDA provision)			
-	76-00676-00	Kit, USDA (**For field installation, units provisioned for side-mounted USDA)** - Includes all of OPTION D	-
USDA PROBE KITS			
OPTION 1			
11	12-50089-00	Sensor Assembly, 600” Long (15M) (USDA Probe) - Includes:	A/R
12	22-50127-00	Plug, Socket (PR1, PR2, PR3, Cargo Probe 4)	1
13	22-01613-15	Contact, Socket, #16 (**Used with 22-50127-00 & 22-01660-04)**	A/R
OPTION 2			
11	12-00342-04	Sensor Assembly, **Customer Specific,** 600” Long (15M) (USDA Probe) - Includes:	A/R
12	22-50127-00	Plug, Socket (PR1, PR2, PR3, Cargo Probe 4)	1
13	22-01613-15	Contact, Socket, #16 (**Used with 22-50127-00 & 22-01660-04)**	A/R

2.8 CONTROL BOX - DOOR

2.8 CONTROL BOX DOOR (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 1 - UNITS WITHOUT VOLTAGE SHIELDS - ALL PARTS LISTED BELOW			
1	42-00270-02	Gasket, Control Box Door	1
6	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	2
8	66U1-2403	Screw, Machined Trhd #10-24 x 0.500 Slotted	2
10	AU27JR-131	Washer, Lock #10 Ext Tooth	2
11	-	Plate, Schematic & Diagram (**Customer Specific)**	1
12	34-06107-00	Rivet, Blind 0.125 Diameter 0.188-0.250	3
13	58-04389-00	Pocket 69NT Placard	1
14	34-06053-00	Washer 0.250 ID x 0.800 OD	4
15	34-06053-05	Washer 0.205 ID x 0.600 OD	4
16	66U1-2403-1	Screw, Machined Trhd #10-24 x 0.750 Slotted	4
17	34-00663-09	Washer, Lock #10 Spring	4
18	66U1-5321-8	Washer, Plain #10 Type A	4
19	44-00300-00	Hinge Assembly with Tethered Pin	2
20	34-01167-01	Nut, Retainer #10-24 x 1.75	2
21	58-04101-00	Protector 1.00 x 2.63 (Hinge)	2
25	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
26	66U1-6811-12	Screw, Retaining 0.300-0.625, Phillips	2
27	86-04461-00	Door, Control Box, Blue (Welded)	1
	86-04461-02	Door, Control Box, Orange (Welded)	1
	86-04461-20	Door, Control Box, White (Welded)	1
28	58-04366-00	Window Controller Door	1
STANDARD PARTS INCLUDED IN OPTIONS 2-7 (UNITS WITH VOLTAGE SHIELDS)			
1	42-00270-02	Gasket Control Box Door	1
2	62-03957-04	Decal, Warning High Voltage	1
3	34-06139-01	Stud 1/4” Retaining	4
4	34-06139-00	Retainer 1/4” Stud	4
5	34-06139-04	Receptacle 1/4” Retaining	3
6	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	2
7	69NT35-636-2	Tether Assembly 16” Long	1
8	66U1-2403	Screw, Machined Trhd #10-24 x 0.500 Slotted	2
9	34-00928-02	Rivet, Blind 0.125 Diameter 0.126-0.187	4
10	AU27JR-131	Washer, Lock #10 Ext Tooth	2
11	-	Plate, Schematic & Diagram (**Customer Specific)**	1
12	34-06107-00	Rivet, Blind 0.125 Diameter 0.188-0.250	3
13	58-04389-00	Pocket 69NT Placard	1
14	34-06053-00	Washer 0.250 ID x 0.800 OD	4
15	34-06053-05	Washer 0.205 ID x 0.600 OD	4
16	66U1-2403-1	Screw, Machined Trhd #10-24 x 0.750 Slotted	4
17	34-00663-09	Washer, Lock #10 Spring	4
18	66U1-5321-8	Washer, Plain #10 Type A	4
19	44-00300-00	Hinge Assembly with Tethered Pin	2
20	34-01167-01	Nut, Retainer #10-24 x 1.75	2
21	58-04101-00	Protector 1.00 x 2.63 (Hinge)	2

2.8 CONTROL BOX DOOR (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 2 - STANDARD DOOR WITH SLOTTED SCREW			
See Previous Section for Standard Parts and use with Items Below:			
22	58-04244-00	Panel, High Voltage Shield	1
23	58-04245-07	Panel, Low Voltage Shield	1
24	44-00343-00	Hinge 0.06 Thick x 2.00 Long Aluminum	2
25	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
26	66U1-6811-8	Screw, Retaining 0.300-0.625 Panel	2
27	86-04461-00	Door, Control Box (Welded)	1
28	58-04366-00	Window Controller Door	1
OPTION 3 - STANDARD DOOR WITH WING SCREW			
See Previous Page for Standard Parts and use with Items Below:			
22	58-04244-00	Panel, High Voltage Shield	1
23	58-04245-07	Panel, Low Voltage Shield	1
24	44-00343-00	Hinge 0.06Thick x 2.00 Long Aluminum	2
25	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
26	66U1-6811-15	Screw, Retaining 0.300-0.625 (Wing)	2
27	86-04461-00	Door, Control Box (Welded)	1
28	58-04366-00	Window Controller Door	1
OPTION 4 - DOOR WITH FLAT WINDOW, WITH WING SCREW			
See Previous Page for Standard Parts and use with Items Below:			
22	58-04244-00	Panel, High Voltage Shield	1
23	58-04245-07	Panel, Low Voltage Shield	1
25	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
26	66U1-6811-15	Screw, Retaining 0.300-0.625 (Wing)	2
27	86-04461-01	Door, Control Box (Welded)	1
29	69NT35-5022-6	Window 0.12 x 6.51 x 9.62	1
30	42-00611-00	Foam, Double Coated 0.03 x 6.51 x 9.62	1
31	68-14817-00	Bracket, Mtg 0.090 Thick Aluminum	2
32	34-00795-09	Nut, Self Lock 10-32	6
33	68-13724-00	Bracket, Mtg Window, 0.090 Thick Aluminum	1
OPTION 5 - LATCHING DOOR (LATCH FASTENER LOCATED IN SECTION 2.14)			
See Previous Page for Standard Parts and use with Items Below:			
22	58-04244-00	Panel, High Voltage Shield	1
23	58-04245-07	Panel, Low Voltage Shield	1
27	86-66688-01	Door, Control Box with Latch, Blue	1
28	58-04366-00	Window Controller Door	1
34	34-00663-08	Washer, Lock #8 Spring	4
35	66U1-5321-2	Washer, Plain #8 Type A	4
36	66U1-6651-22	Screw, Machined Pinhead #8-32 x 3/4 Long	1
37	34-66621-04	Washer, Lock Internal Tooth	1
38	44-66605-00	Latch	2
39	58-04026-74	Protector, Latch	2
40	66U1-6651-2	Screw, Machined Pinhead #8-32 x 1/2 Long	3
41	48-66611-00	Pin, Guide Machined	1

2.8 CONTROL BOX DOOR (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 6 - STANDARD DOOR WITH SLOTTED SCREW, WITH EMERGENCY BYPASS			
See Previous Page for Standard Parts and use with Items Below:			
22	58-04244-00	Panel, High Voltage Shield	1
23	58-04245-08	Panel, Low Voltage Shield	1
24	44-00343-00	Hinge 0.06 Thick x 2.00 Long Aluminum	2
25	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
26	66U1-6811-8	Screw, Retaining 0.300-0.625 Panel	2
27	86-04461-00	Door, Control Box (Welded)	1
28	58-04366-00	Window Controller Door	1
OPTION 7 - STANDARD DOOR WITH SLOTTED SCREW, WITH HOUR METER HOLE			
See Previous Page for Standard Parts and use with Items Below:			
22	58-04244-01	Panel, High Voltage Shield with Hour Meter	1
23	58-04245-07	Panel, Low Voltage Shield	1
24	44-00343-00	Hinge 0.06 Thick x 2.00 Long Aluminum	2
25	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
26	66U1-6811-8	Screw, Retaining 0.300-0.625 Panel	2
27	86-04461-00	Door, Control Box (Welded)	1
28	58-04366-00	Window Controller Door	1

2.9 CONTROL BOX - WIRING

2.9 CONTROL BOX - WIRING (Continued)			
Item	**Part Number**	**Description**	**Qty**
1	10-00332-06	Transformer Base Unit	1
2	34-06223-00	Screw, Captive Wash #10-24 x 0.56	10
3	66CH1-1172-52	Trim, Flexible 4.00 Long	2
4	10-00431-06	Contactors, **(CF), (HR),** & **(EF & ES) (12 Amp)**	4
5	69NT35-9073-1	Label CB1 (0.81 x 3.19)	1
6	66U1-7842-12	Circuit Breaker 3 Pole, 600 Volt	1
7	66U1-6651-19	Screw, Mach Pinhead #6-32 x 0.437 Slotted	4
8	34-00663-07	Washer, Lock #6 Spring	4
9	66U1-7842-6	Nut, Hex 10-32 Circuit Breaker	6
10	66U1-7842-7	Washer, Flat #10-32	12
11	69NT35-6278	Bracket 0.080 Thick Alum, Ptd	1
12	69NT35-9073	Label CB1 (0.56 x 1.55)	1
13	34-00655-10	Screw, Cap HXHD 1/4-20 x 1.25	1
14	66U1-5321-7	Washer, Plain 1/4 W Type A	5
15	34-06053-13	Washer, Retaining 0.19 ID X.80 OD (0.250)	1
16	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	52
17	34-00663-09	Washer, Lock #10 Spring	1
18	66U1-5371-7	Screw, Mach HXHD #10-24 x 0.500 Slotted	1
19	58-04246-00	Ty-Rap Base (#10) Mounting Tab	1
20	10-00439-01	Transformer I-Xfer, Current Sens	1
21	66U1-1251-2	O-Ring 3/4 Hub Sealing	1
22	66U1-7352-3	Connector Straight, Watertight	1
23	34-00655-08	Screw, Cap HXHD 1/4-20 x 1.00	4
24	58-00967-00	Spacer Locking (Subpanel)	5
25	10-00431-07	Contactors, Compressor **(CH)**	2
26	62-11018-00	Label, Contactor Cover	2
27	10-00431-08	Cover, Contactor	2
28	34-06243-00	Screws #8-32 x 0.750, Slotted, SST	2
29	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	4
30	34-01178-22	Screw, Tc HXHD #8-32 x 0.50 L	1
31	58-04273-00	Grommet Split 0.69 x 1.88 x 0.12	2
32	44-00361-00	Clip, Retaining 0.88-1.00 Wire Mtg	4
33	66U2-1132-1	Connector, Electric, 16-14 Gage, Non-Insulated	9
34	66U1-3803	Tube, Heat Shrink 0.25 x 2.12 Black	9

2.10 CONTROL BOX - RMU RECEPTACLE AND SWITCH PANEL - NO RM AND INTERNAL VIEWS

2.10 CONTROL BOX - RMU RECEPTACLE AND SWITCH PANEL - NO RM AND INTERNAL VIEWS (Continued)			
Item	**Part Number**	**Description**	**Qty**
STANDARD PARTS INCLUDED IN SERVICE OPTIONS			
1	58-04456-00	Plate, Backup Keypad, Comp Box	1
2	12-00290-04	Key Pad, Core Micro	1
3	42-00271-00	Gasket Keypad, 0.125 Thick	1
4	34-06212-10	Washer, Plain #10 Type A	6
5	34-66630-00	Screw, Tf Pinhead #10-9 x 0.75 Long	6
6	34-66629-05	Screw, Machined Trhd #10-24 x 0.750 Slotted	4
7	44-00391-00	Clamp	1
8	66U1-9752	Seal 0.427/0.432, Bushing	2
9	42-00608-00	Gasket Switch Plate	1
OPTION 1: NO REMOTE MONITORING, START SWITCH PLATE			
See Previous Section for Standard Parts and use with Items Below:			
10	68-14796-00	Plate, Switch	1
11	62-10914-00	Switch Label, ST	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	2
OPTION 2: NO REMOTE MONITORING, START WITH BOOT SWITCH PLATE			
See Previous Section for Standard Parts and use with Items Below:			
10	68-14796-00	Plate, Switch ST	1
11	62-10914-00	Switch Label, ST	1
12	66U2-1081	Boot Toggle Switch	1
OPTION 3: NO REMOTE MONITORING, CFS SWITCH PLATE			
See Previous Section for Standard Parts and use with Items Below:			
10	68-14796-01	Plate, Switch ST, Compressor Fan Switch	1
11	62-10914-01	Switch Label, ST, CFS	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	2
OPTION 4: NO REMOTE MONITORING, MANUAL DEFROST SWITCH PLATE			
See Previous Section for Standard Parts and use with Items Below:			
10	68-14796-05	Plate, Switch ST, Manual Defrost	1
11	62-10914-05	Switch Label, ST, MD	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	2
OPTION 5: NO REMOTE MONITORING, MD WITH BOOT SWITCH PLATE			
See Previous Section for Standard Parts and use with Items Below:			
10	68-14796-05	Plate, Switch ST, Manual Defrost	1
11	62-10914-05	Switch Label, ST, MD	1
12	66U2-1081	Boot Toggle Switch	2
OPTION 6: NO RM, AMBER DEFROST LIGHT			
See Previous Section for Standard Parts and use with Items Below:			
10	68-14796-02	Plate, Switch ST, DL	1
11	62-10914-02	Switch Label, ST, EMER, DEFROST	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	1
13	22-00518-01	Base Pilot Light	1
14	22-00049-01	Lamp, Incandescent, 24 VDC	1
15	22-00519-03	Jewel Assembly Pilot Light, Amber	1

2.10 CONTROL BOX - RMU RECEPTACLE AND SWITCH PANEL - NO RM AND INTERNAL VIEWS (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 7: NO RM, RED DEFROST LIGHT			
See Previous Section for Standard Parts and use with Items Below:			
10	68-14796-02	Plate, Switch ST, DL	1
11	62-10914-02	Switch Label, ST, EMER, DEFROST	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	1
13	22-00518-01	Base Pilot Light	1
14	22-00049-01	Lamp, Incandescent, 24 VDC	1
15	22-00519-01	Jewel Assembly Pilot Light, Red	1
OPTION 8: WITH REMOTE MONITORING, INTERNAL			
See Previous Page for Standard Parts and use with Items Below:			
10	68-14796-03	Plate, Switch ST, RM	1
11	62-10914-03	Switch Label, ST, RM	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	1
16	34-00848-10	Screw, Machined Roundhead #4-40 x 0.625	4
17	22-02341-01	Cap & Tether Receptacle Assembly	1
18	22-01604-00	Receptacle, 4 Connections	1
19	MS510074	Gasket	1
20	66U1-5321-6	Washer, Plain 0.125 ID Type A	4
21	34-00667-05	Nut, Self Lock 4-40	4
OPTION 9: WITH REMOTE MONITORING AND MD SWITCH, INTERNAL			
See Previous Page for Standard Parts and use with Items Below:			
10	68-14796-06	Plate, Switch ST, RM, MD	1
11	62-10914-06	Switch Label, ST, RM, MD	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	1
16	34-00848-10	Screw, Machined Roundhead #4-40 x 0.625	4
17	22-02341-01	Cap & Tether Receptacle Assembly	1
18	22-01604-00	Receptacle 4 Connections	1
19	MS510074	Gasket	1
20	66U1-5321-6	Washer, Plain 0.125 ID Type A	4
21	34-00667-05	Nut, Self Lock 4-40	4
OPTION 10: WITH REMOTE MONITORING AND AMBER DEFROST LIGHT, INTERNAL			
See Previous Page for Standard Parts and use with Items Below:			
10	68-14796-04	Plate, Switch ST, RM, EB, DL	1
11	62-10914-04	Switch Label, ST, RM, EMER, DEFROST	1
12	10-01129-20	Nut, Hex 15/32-32 Un-2B	1
13	22-00518-01	Base Pilot Light	1
14	22-00049-01	Lamp Incandescent, 24 VDC	1
15	22-00519-03	Jewel Assembly Pilot Light Amber	1
16	34-00848-10	Screw, Machined Roundhead #4-40 x 0.625	4
17	22-02341-01	Cap & Tether Receptacle Assembly	1
18	22-01604-00	Receptacle 4 Connections	1
19	MS510074	Gasket	1
20	66U1-5321-6	Washer, Plain 0.125 ID Type A	4
21	34-00667-05	Nut, Self Lock 4-40	4

2.11 CONTROL BOX - RMU RECEPTACLE AND SWITCH PANEL - EXTERNAL VIEW

OPTION 11: WITH REMOTE MONITORING, EXTERNAL

Item	Part Number	Description	Qty
1	58-04456-00	Plate, Backup Keypad, Comp Box (See NOTE)	1
2	12-00290-04	Key Pad, Core Micro (See NOTE)	1
3	42-00271-00	Gasket Keypad, 0.125 Thick (See NOTE)	1
4	34-06212-10	Washer, Plain #10 Type A	6
5	34-66630-00	Screw, Tf Pinhead #10-9 x 0.75 Long (See NOTE)	6
6	34-66629-05	Screw, Machined Trhd #10-24 x 0.750 Slotted (See NOTE)	4
7	44-00391-00	Clamp (See NOTE)	1
8	66U1-9752	Seal 0.427/0.432, Bushing (See NOTE)	2
9	42-00608-00	Gasket Switch Plate (See NOTE)	1
10	68-14796-00	Plate, Switch ST	1
11	62-10914-00	Switch Label, ST	1
17	22-02341-01	Cap & Tether Receptacle Assembly	1
22	69NT40-222	Bracket Assembly	1
23	34-00928-03	Rivet, Blind 0.125 Diameter 0.188-0.250	4
24	66U1-3882	Wire Tie, 1/16-1-3/4 Selflocking	4
25	22-02205-00	Connector Splice, Non-Insulated	1
26	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	2
27	66U1-3882-3	Wire Tie, 1/16-4.0 Selflocking	2
28	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	3

NOTE

See Section 2.10 (page 18) for Items 1, 2, 3, 5-9.

2.12 CONTROL BOX - REMOTE MONITORING UNIT (RMU)

2.12 CONTROL BOX - REMOTE MONITORING UNIT (RMU) (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 2 - COMMUNICATIONS INTERFACE MODULE - HIGH DATA RATE			
1	12-00573-00SV	Module, Communications Interface - Includes:	1
2	66U1-3442-2	Stud, Fastener, 1/4 turn, 0.705 Long - SST	4
3	66U1-9212-1	Retainer, Push-on	4
4	34-06223-00	Screw, Captive Washer #10-24 x 0.56 - SST	2
5	58-01184-01	Retainer, Screw 0.75 OD	2
6	22-01556-00	Connector (CIA) 7-Pin	1
OPTION 4 - COMMUNICATIONS INTERFACE MODULE - LOW DATA RATE			
1	12-00275-19SV	Module, Communications Interface - Includes:	1
2	66U1-3442-2	Stud, Fastener, 1/4 turn, 0.705 Long - SST	4
3	66U1-9212-1	Retainer, Push-on	4
4	34-06223-00	Screw, Captive Washer #10-24 x 0.56 - SST	4
5	58-01184-00	Retainer, Screw 0.75 OD	4
6	22-01556-00	Connector (CIA) 7-Pin	1

2.13 CONTROL BOX - CONTROLLER MODULE SECTION AND SOFTWARE CARDS

View - Back of Controller/DataCORDER

2.13 CONTROL BOX - CONTROLLER MODULE SECTION AND SOFTWARE CARDS (Continued)			
Item	**Part Number**	**Description**	**Qty**
1	12-55009	Module, Controller/DataCORDER - Includes:	1
2	66U1-5371-7	Screw, HXHD, #10-24 x 1/2 Long - SST	1
3	69NT35-2692	Washer, Fender, 0.063 Thick - SST	1
4	58-01184-00	Retainer, Screw, 0.141 ID	1
5	22-02336-08	Fuse, 7.5 Amp (F3A & F3B)	3
6	22-02336-02	Fuse, 5 Amp (F1 & F2)	1
7	62-02719-00	Label, Controller/DataCORDER Port	1
8	12-00594	**Controller/DataCORDER Operation Software Card (Latest version will be supplied)**	1
9	22-01777-00SV	Connector (EC A-K) - 30 Pin	1
10	22-01777-03	Socket, 20 AWG	35
11	22-50100-00	Socket, 18 AWG	4
12	22-01777-04	Plug, Sealing	21
13	22-01777-01SV	Connector (EC L-Y) - 30 Pin	1
14	22-01556-02	Connector (KA) - 14 Pin	1
15	22-01556-01	Connector (KB) - 10 Pin	1
NS	22-01621-23	Connector (KP) - 9 Pin (Connects to Ribbon Cable)	1
16	22-04031-00	Connector (KD) - 4 Pin	1
17	22-04031-01	Connector (KE) - 5 Pin	1
18	22-04031-02	Connector (KC) - 6 Pin	1
19	22-01622-01	Connector (MA) - 12 Pin	1
20	22-01622-02	Connector (MB) - 16 Pin	1
21	22-01622-00	Connector (MC) - 8 Pin	1
NS	09-00369-00SV	Battery, Real Time Clock, (Within the Controller)	1
NS	22-50157-00	Wire Harness, Controller to Current Sensing Transformer)	1
NS	22-01713-06	Wire Harness, Display Module to Controller/DataCORDER Module	1
NS	62-02735-00	Label, Warning, Don't use 12-00327 ! - (Located on the control box behind the Controller/DataCORDER module.)	1
NS	62-02738-08	Label, Warning, 55xx Series - (Located on the high & low voltage shields)	1
NS	62-02738-04	Label, Warning, 55xx Series - (Located on the bottom panel of the control box between the Communications Interface module and the switch panel.)	1
OPTION R - RECHARGEABLE BATTERY OPTION			
22	30-00407-02SV	Rechargeable Battery Pack with Connector-Controller/DataCORDER Module	A/R
OPTION S - SECURE RECHARGEABLE BATTERY OPTION			
NOTE	77-01037-00	Rechargeable Battery Pack with Connector-Controller/DataCORDER Module	A/R
NOTE Refer to technical manual for battery location.			

2.14 CONTROL BOX PREPARATION

Item	Part Number	Description	Qty
STANDARD PARTS INCLUDED IN SERVICE OPTIONS			
1	66U1-5562-7	Plug Button, 1.125 Diameter Hole	1
2	58-00701-03	Plug Button, 0.906 Diameter Hole	2
3	68-15270-00	Bracket, 0.090 Thick Aluminum	1
4	34-06223-00	Screw, Captive Wash #10-24 x 0.56	3
5	62-10911-00	Label, Warning! ML3 Controller Only!	1
6	66U1-2593-19	Gasket, “V” Type 6.38 Long	1
7	58-00967-00	Spacer Locking (Subpanel)	2
8	34-00655-10	Screw, Captive HXHD 1/4-20 x 1.25	2
9	66U1-5321-7	Washer, Plain 1/4 W Type A	2
10	34-06053-03	Washer, 0.250 ID x 1.000 OD	4
11	69NT41-982-3	Strap Assembly Ground, All Populated	1
12	66U1-5321-3	Washer, Plain 1/4 N Type A	2
13	AU27JR-171	Washer, Lock 1/4 Ext Tooth	10
14	AT39JA-171	Nut, Hex 1/4-20	10
15	66U1-9592-13	Standoff 1/4-20 x 0.375 Long	2
16	34-00667-11	Nut, Self Lock 1/4-20	2

2.14 CONTROL BOX PREPARATION (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 1 - LATCH FASTENER (LATCHING DOOR LOCATED IN SECTION 2.8)			
See Previous Page for Standard Parts and use with Items Below:			
17	86-04636-00	Control Box, Blue	1
18	68-66776-01	Bracket, Latch Closure, Blue	1
19	86-66689-00	Stop, Door Latch, Latch Closure, Blue	1
20	68-66773-01	Keeper, Latch Closure	1
21	58-04026-70	Protector, 0.88 x 2.93 2 Holes	1
22	34-00928-02	Rivet, Blind 0.125 Diameter 0.126-0.187	2
OPTION 2 - SCREW FASTENER			
See Previous Page for Standard Parts and use with Items Below:			
17	86-04636-00	Control Box, Blue	1
	86-04636-02	Control Box, Blue, with EBS	1
23	69NT35-6272	Bracket, 0.063 Thick Aluminum, Blue	1
24	34-06053-05	Washer, 0.205 ID x 0.600 OD	2
25	34-01142-01	Receptacle, #12 Saddle Type	2
26	34-00928-01	Rivet, Blind 0.125 Diameter 0.063-0.125	4
27	58-04026-32	Protector, 0.75 x 1.06 Mylar	2
OPTION 2 - SCREW FASTENER, ORANGE BOX			
See Previous Page for Standard Parts and use with Items Below:			
17	86-04636-01	Control Box, Orange	1
23	69NT35-6272-1	Bracket, 0.063 Thick Aluminum, Orange	1
24	34-06053-05	Washer, 0.205 ID x 0.600 OD	2
25	34-01142-01	Receptacle, #12 Saddle Type	2
26	34-00928-01	Rivet, Blind 0.125 Diameter 0.063-0.125	4
27	58-04026-32	Protector, 0.75 x 1.06 Mylar	2
OPTION 2 - SCREW FASTENER, WHITE BOX			
See Previous Page for Standard Parts and use with Items Below:			
17	86-04636-03	Control Box, White	1
23	69NT35-6272-2	Bracket, 0.063 Thick Aluminum, White	1
24	34-06053-05	Washer, 0.205 ID x 0.600 OD	2
25	34-01142-01	Receptacle, #12 Saddle Type	2
26	34-00928-01	Rivet, Blind 0.125 Diameter 0.063-0.125	4
27	58-04026-32	Protector, 0.75 x 1.06 Mylar	2
OPTION 3 - SCREW FASTENER, LOCKING DOOR			
See Previous Page for Standard Parts and use with Items Below:			
17	86-04636-00	Control Box, Blue	1
22	34-00928-02	Rivet, Blind 0.125 Diameter, 0.126-0.187	2
23	69NT35-2287	Bracket, 12 Gage SST	1
24	34-06053-11	Washer, 0.205 ID x 0.922 OD	1
25	34-01142-01	Receptacle, #12 Saddle Type	2
26	34-00928-01	Rivet, Blind 0.125 Diameter 0.063-0.125	4
27	58-04026-32	Protector, 0.75 x 1.06 Mylar	2

2.15 CONTROLLER HARDWARE, CLAMPS AND DISPLAY - FACING VIEW

2.15 CONTROLLER HARDWARE, CLAMPS AND DISPLAY - FACING VIEW (Continued)			
Item	**Part Number**	**Description**	**Qty**
1	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	5
2	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	31
3	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	5
4	66U1-5361-25	Screw, Captive HXHD 1/4-20 x 0.75	8
5	34-06053-03	Washer 0.250 ID x 1.000 OD	3
6	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	3
7	AU27JR-171	Washer, Lock 1/4 Ext Tooth	2
8	34-06223-00	Screw, Captive Wash #10-24 x 0.56	4
9	58-04101-01	Protector 1.00 x 3.62 (Hinge)	2
10	66U1-2552-171	Gasket 0.62 Thick x 0.75 x 16.00	1
11	66U1-5321-7	Washer, Plain 1/4 W Type A	4
12	34-06053-00	Washer 0.250 ID x 0.800 OD	3
13	44-00449-00	Clamp Assembly TXV Bulb	1
14	42-00032-00	Insulation Prestite	3
15	44-00449-01	Clamp Assembly TXV Bulb	1
16	58-04279-00	Cover Plastic, Probe	1
17	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	3
18	66U1-5321-8	Washer, Plain #10 Type A	2
19	12-00500-01SV	Sensor Assembly **(STS & SRS)**	1
20	58-04277-00SV	Cap, Probe - Includes:	2
21	58-04278-00	Grommet NSS	2
22	58-04276-00	Holder Supply Probe	1
23	34-00928-04	Rivet, Blind 0.125 Diameter 0.251-0.312	10
24	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750 Slotted	1
25	58-00849-03	Tube, Slit 5/8 ID x 20 Long Corr	2

2.16 CONTROLLER HARDWARE, CLAMPS AND DISPLAY - DETAILS

2.16 CONTROLLER COMPONENTS AND WIRING - OPTION DETAILS (Continued)			
Item	**Part Number**	**Description**	**Qty**
STANDARD PARTS INCLUDED IN SERVICE OPTIONS			
1	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	5
2	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	31
11	66U1-5321-7	Washer, Plain 1/4 W Type A	4
12	34-06053-00	Washer 0.250 ID x 0.800 OD	3
26	22-01713-03	Harness Key Pad to Display Module	1
27	34-06223-01	Screw, 10-24 x 0.625	2
OPTION 1 - STANDARD CONTROLLER WIRING WITHOUT VOLTAGE SHIELD			
See Previous Section for Standard Parts and use with Items Below:			
28	12-00433-00RP	Module, LCD Display	1
29	34-06223-01	Screw, Captive Wash #10-24 x 0.625	4
OPTION 2 - CONTROLLER WIRING WITHOUT VOLTAGE SHIELD, WITH SECURE BATTERY OPTION			
See Previous Section for Standard Parts and use with Items Below:			
28	12-00433-00RP	Module, LCD Display	1
29	34-06223-01	Screw, Captive Wash #10-24 x 0.625	4
30	34-06251-00	Screw, Button Hd #10-24 x 0.75 Torx-Pin	4
31	34-00663-09	Washer, Lock #10 Spring	4
32	69NT35-2692-4	Washer, Fender #10-0.743-0.765 OD	4
33	62-11114-00	Tag Controller Software	1
OPTION 3 - CONTROLLER WIRING WITHOUT VOLTAGE SHIELD, WITH EMERGENCY BYPASS SYSTEM			
See Previous Section for Standard Parts and use with Items Below:			
28	12-00433-00RP	Module, LCD Display	1
29	34-06223-01	Screw, Captive Wash #10-24 x 0.625	4
30	34-06251-00	Screw, Button Hd #10-24 x 0.75 Torx-Pin	4
34	62-02738-14	Label, Warning! Software Version 5322	3
35	10-01129-15	Switch, Toggle 1 Pole Off/On	1
36	66U1-3882-2	Wire Tie 1/16-1-3/4 Selflocking	2
37	10-01129-20	Nut, Hex 15/32-32 Un-2B	1
38	62-10781-01	Label, EBS with SW	1
39	34-06224-01	Screw, Captive Wash 1/4-20 x 0.62	1
40	62-10783-00	Label, EBS with Fuse	1
41	22-02336-04	Fuse, 10 Amp (FEB)	1
42	22-01455-03	Holder Assembly Fuse	1
43	62-10781-00	Label, EBS	1
44	66U1-9592-18	Standoff 1/4-20 x 3.93 Long	1
45	10-00446-00	Module, EBS	1
46	58-04246-00	Ty-Rap Base (#10) Mounting Tab	1
OPTION 4 - STANDARD CONTROLLER WIRING WITH VOLTAGE SHIELD			
See Previous Section for Standard Parts and use with Items Below:			
14	42-00032-00	Insulation Prestite	3
28	12-00433-02RP	Module, LED Display	1
29	34-06223-01	Screw, Captive Wash #10-24 x 0.625	4

2.17 CONTROLLER HARDWARE, CLAMPS AND DISPLAY - REAR VIEW

Item	Part Number	Description	Qty
2	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	31
11	66U1-5321-7	Washer, Plain 1/4 W Type A	4
17	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	3
47	58-00065-46	Grommet 0.25 ID x 0.75 OD x 0.12	1
48	66U1-1571-14	Grommet 0.50 ID x 1.50 OD	1
49	58-04315-00	Base, Mounting 0.250 Diameter Mtg Hole	2
50	58-00969-00	Wire Tie 2.80 Diameter Double Loop	2
51	34-06051-32	Rivnut 10-24 (0.020/0.130)	1
52	44-01041-04	Clamp, Cushioned 0.250 Diameter	1
53	66U1-5331-3	Washer, Lock #10 Spring	1
54	34-01178-23	Screw, Tc HXHD #8-32 x 0.75L	1
55	34-01178-22	Screw, Tc HXHD #8-32 x 0.50L	2
56	44-00361-00	Clip, Retaining 0.88-1.00 Wire Mtg	2

2.18 HANDLES

Item	Part Number	Description	Qty
OPTION 2 - TWO SIDE			
1	69NT35-8113	Handle, Fixed	2
2	34-00792-07	Screw, Captive HXHD 5/16-18 x 0.88	4
3	66U1-5331	Washer, Lock 5/16 Spring	4
4	34-06053-15	Washer, Mylar 0.313 ID x 0.875 OD	4

2.19 COMPRESSOR TRANSDUCERS / PRESSURE SWITCH

Item	Part Number	Description	Qty
OPTION T - PRESSURE TRANSDUCER			
1	12-00352-07	Transducer, Suction	1
2	12-00309-05	Switch, Pressure	1
3	12-00352-00	Transducer, Discharge	1
4	EC39DM070	Core, Check Valve (Used with 40-00604-00 Tee)	3

2.20 COMPRESSOR, MOUNTING COMPONENTS AND GUARD

2.20 COMPRESSOR, MOUNTING COMPONENTS AND GUARD (Continued)			
Item	**Part Number**	**Description**	**Qty**
1	18-10134-23	Compressor, Scroll - Includes:	-
2	42-00384-01	Seal, Rotolock, 1-14	1
3	42-00384-02	Seal, Rotolock, 1-1/4-12	2
4	58-04461-00	Shockmount, Bushing	1
5	58-04461-01	Shockmount, Ring	1
6	34-06236-00	Washer, 0.687 x 1.50 x 0.078 - SST	8
7	58-04451-00	Mount, Resilient, 80A	4
8	34-06053-20	Washer, Mylar - 1.50 x 0.65	4
9	18-00077-40	Plug, Oil Drain	1
NS	07-00427-00	Compressor Oil, Quart	2
10	66CH1-1172-93	Trim, Flexible 3.75 Long	1
11	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	1
12	22-04085-00	Power Cable	1
13	58-04246-00	Ty-Rap Base (#10) Mounting Tab	1
14	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	1
15	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750 Slotted	1
16	34-00663-09	Washer, Lock #10 Spring	1
17	40-00630-00	Valve Assembly, Scroll, Service	1
18	34-06277-02	Bolt, Shoulder, 1/2-13 UNC - SST	4
19	48-00350-01SV	Base, Compressor (Painted) - Includes:	1
20	58-04435-00	Protector, Mylar	2
21	86-04405-00	Bracket Assembly	1
22	86-04406-00	Bracket Assembly	1
23	66U1-5361-47	Bolt, Machine HXHD, 1/4-20 x 1.25 Long - SST	1
24	66U1-5321-7	Washer, Plain 1/4 - SST	14
25	58-04463-00	Protector, Mylar	1
26	34-06053-00	Washer, Mylar 0.250 ID x 0.800 OD	9
27	34-00667-11	Nut, Self Lock 1/4-20 - SST	2
28	34-00667-13	Nut, Self Lock 3/8-16 - SST	1
29	66U1-5321-5	Washer, Plain 3/8 N Type A - SST	1
30	34-06053-02	Washer, Mylar 0.375 ID x 1.00 OD	1
31	34-06060-03	Washer, Snubbing 0.537 ID x 2.00 OD	1
32	58-04026-62	Protector, Mylar	1
33	34-06277-03	Bolt, Shoulder, 3/8-16 UNC - SST	1
34	34-00655-04	Screw, Captive HXHD 1/4-20 x 0.50 - SST	4

2.21 COMPRESSOR TUBING

SUCTION TUBE ASSEMBLY

DISCHARGE TUBE ASSEMBLY

ECONOMIZER TUBE ASSEMBLY

VIEW WITH FITTINGS

VIEW WITH VALVES

2.21 COMPRESSOR TUBING (Continued)			
Item	**Part Number**	**Description**	**Qty**
STANDARD PARTS INCLUDED IN OPTIONS			
1	56-08496-00	Tube 1-1/8 OD x 0.050W Cu	1
2	14-00353-00	Valve SMV (Sporlan) without Tap	1
3	DE40BA-927	Tee 1-3/8 x 1-1/8 x 5/8	1
4	56-08495-00	Tube 1-1/8 OD x 0.050W Cu	1
5	14-00176-04	Strainer 40 Mesh, 1 1/8” OD	1
6	DE21BA-701	Elbow, 90 Street 1-1/8 Fitting x 1-1/8C Sr	1
7	56-08525-00	Tube 5/8 OD x 0.040 W Cu	1
8	40-01124-00	Valve Body	1
9	56-08527-00	Tube, Discharge 7/8 OD x 0.045 W Cu	1
10	56-07657-00	Tube, Discharge 7/8 OD x 0.045 W Cu	1
11	DE40BA-303	Tee, Reducing 5/8 x 5/8 x 3/8	1
12	56-07669-00	Tube 5/8 OD x 0.040 W Cu	1
13	40-00605-01	Fitting 5/8 ID, Rotalock	1
14	56-08526-00	Tube 5/8 OD x 0.040 W Cu	1
15	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750 Slotted	8
16	34-06053-05	Washer 0.205 ID x 0.600 OD	12
17	34-00373-69	Clamp, Tube 1.38 Diameter Cushion	2
18	42-00032-00	Insulation Prestite	10
19	42-00667-16	Insulation, Tube Pre-Taped	1
20	42-00384-01	Seal 1-14, Rotalock	1
21	40-00542-00	Elbow Adapter, Low Pressure, R134A	1
22	40-00520-02	Cap M8 x 1.0-6G	1
23	34-06295-00	Washer, Fender #10-1.690-2.000 OD	1
24	66U1-3632-20	Clamp, Tube 0.88 Diameter Cushion	1
25	66U1-5371-10	Screw, Machined HXHD #10-24 x 1.00L Slotted	3
26	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	1
27	34-00373-07	Clamp, Tube 0.62 Diameter Cushion	1
28	66U1-5321-8	Washer, Plain #10 Type A	8
29	42-00384-02	Seal 1 1/4-12, Rotalock	2
30	58-04026-26	Protector 7.50 x 7.50	1
31	42-00667-15	Insulation, Tube Pre-Taped	1
32	42-00667-14	Insulation, Tube Pre-Taped	1
OPTION S - WITH SERVICE VALVES			
See Previous Section for Standard Parts and use with Items Below:			
33	40-00622-01	Valve, Service 1 1/8 ID, Rotalock	1
34	40-00583-05	Valve, Service 7/8 ID, Rotalock	1
35	40-00542-01	Elbow Adapter High Press., R134A	1
36	40-00520-03	Cap M10 x 1.0-6G	1
37	68-15269-00	Bracket, White 0.090 Thick Aluminum	1
	68-15269-01	Bracket, Orange 0.090 Thick Aluminum	1
38	68-15331-00	Bracket, White 0.125 Thick Aluminum	2
	68-15331-01	Bracket, Orange 0.125 Thick Aluminum	2
OPTION SS - WITH SERVICE FITTINGS			
See Previous Section for Standard Parts and use with Items Below:			
33	40-00605-05	Fitting, 1 1/8 ID, Rotalock	1
34	40-00605-00	Fitting, 7/8 ID, Rotalock	1
37	68-15269-00	Bracket, White 0.090 Thick Aluminum	1
38	68-15331-00	Bracket, White 0.125 Thick Aluminum	2

2.22 CABLE AND COMPRESSOR GUARDS

2.22 CABLE AND COMPRESSOR GUARDS (Continued)			
Item	**Part Number**	**Description**	**Qty**
STANDARD PARTS INCLUDED IN OPTIONS			
1	58-04316-00	Base, Mounting, 0.250 Diameter Mtg Hole	1
2	66U1-3882	Wire Tie, 1/16-1-3/4 Self Lock	1
3	34-06136-01	Nut, Lock, 3/4” NPT	1
4	66U1-1251-2	O-Ring, 3/4 Hub Sealing	1
5	58-04026-07	Protector, 1.63 x 3.00 Long	1
6	66U1-5321-7	Washer, Plain 1/4 W Type A	12
7	66U1-5361-11	Screw, Captive, HXHD 1/4-20 x 1.50	2
8	34-00667-11	Nut, Self Lock 1/4-20	2
OPTION 1 - 460V CABLE, STANDARD GUARD			
See Previous Section for Standard Parts and use with Items Below:			
9	66U1-7352	Connector, Straight, Watertight	1
10	66U1-5361-25	Screw, Captive, HXHD 1/4-20 x 0.75	9
11	34-06053-00	Washer, 0.250 ID x 0.800 OD	10
12	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	1
13	34-06053-03	Washer, 0.250 ID x 1.000 OD	1
14	68-15105-00	Cover, White, 0.063 Thick Aluminum	1
15	68-15213-00	Guard, White, 0.080 Thick Aluminum	1
16	66U1-5371-6	Screw, Machined, HXHD #10-24 x 0.750 Slotted	2
17	66U1-5321-8	Washer, Plain #10 Type A	2
18	34-06053-05	Washer 0.205 ID x 0.600 OD	2
19	68-14456-00	Cable Clamp, Cable Cutter	1
20	68-15118-00	Brace, Support 0.06 Thick Aluminum	1
OPTION 1 - 460V CABLE, STANDARD GUARD, ORANGE			
See Previous Section for Standard Parts and use with Items Below:			
9	66U1-7352	Connector, Straight, Watertight	1
10	66U1-5361-25	Screw, Captive, HXHD 1/4-20 x 0.75	9
11	34-06053-00	Washer, 0.250 ID x 0.800 OD	10
12	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	1
13	34-06053-03	Washer, 0.250 ID x 1.000 OD	1
14	68-15105-01	Cover, Orange 0.063 Thick Aluminum	1
15	68-15213-01	Guard, Orange, 0.080 Thick Aluminum	1
16	66U1-5371-6	Screw, Machined, HXHD #10-24 x 0.750 Slotted	2
17	66U1-5321-8	Washer, Plain #10 Type A	2
18	34-06053-05	Washer 0.205 ID x 0.600 OD	2
19	68-14456-00	Cable Clamp, Cable Cutter	1
20	68-15118-01	Brace, Support, Orange, 0.06 Thick Aluminum	1
OPTION 2 - TRANSICORD, STANDARD GUARD			
See Previous Section for Standard Parts and use with Items Below:			
9	66U1-7352-3	Connector, Straight, Watertight	1
10	66U1-5361-25	Screw, Captive, HXHD 1/4-20 x 0.75	9
11	34-06053-00	Washer, 0.250 ID x 0.800 OD	10
12	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	1
13	34-06053-03	Washer, 0.250 ID x 1.000 OD	1
14	68-15105-00	Cover, 0.063 Thick Aluminum	1
15	68-15213-00	Guard, 0.080 Thick Aluminum	1

2.22 CABLE AND COMPRESSOR GUARDS (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 2 - TRANSICORD, STANDARD GUARD (Continued)			
16	66U1-5371-6	Screw, Machined, HXHD #10-24 x 0.750 Slotted	2
17	66U1-5321-8	Washer, Plain #10 Type A	2
18	34-06053-05	Washer 0.205 ID x 0.600 OD	2
19	68-14456-01	Cable Clamp, Cable Cutter, 16 Gage	1
20	68-15118-00	Brace, Support, White, 0.06 Thick Aluminum	1
OPTION 3 - 460V CABLE, FULL GUARD			
See Previous Section for Standard Parts and use with Items Below:			
9	66U1-7352	Connector, Straight, Watertight	1
10	66U1-5361-25	Screw, Captive, HXHD 1/4-20 x 0.75	11
11	34-06053-00	Washer, 0.250 ID x 0.800 OD	10
12	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	3
13	34-06053-03	Washer, 0.250 ID x 1.000 OD	3
14	68-15150-00	Guard, 0.063 Thick Aluminum	1
15	68-14706-01	Guard, 0.125 Thick Aluminum	1
16	66U1-5371-6	Screw, Machined, HXHD #10-24 x 0.750 Slotted	4
17	66U1-5321-8	Washer, Plain #10 Type A	4
18	34-06053-05	Washer 0.205 ID x 0.600 OD	4
19	68-14456-00	Cable Clamp, Cable Cutter 16 Gage	1
21	68-14143-00	Bracket, 0.125 Thick Aluminum	2
22	68-15286-00	Partition, 0.090 Thick Aluminum	1
OPTION 4 - TRANSICORD, FULL GUARD			
See Previous Section for Standard Parts and use with Items Below:			
9	66U1-7352-3	Connector, Straight, Watertight	1
10	66U1-5361-25	Screw, Captive, HXHD 1/4-20 x 0.75	11
11	34-06053-00	Washer, 0.250 ID x 0.800 OD	9
12	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	3
13	34-06053-03	Washer, 0.250 ID x 1.000 OD	3
14	68-15150-00	Guard, 0.063 Thick Aluminum	1
15	68-14706-01	Guard, 0.125 Thick Aluminum	1
16	66U1-5371-6	Screw, Machined, HXHD #10-24 x 0.750 Slotted	4
17	66U1-5321-8	Washer, Plain #10 Type A	4
18	34-06053-05	Washer 0.205 ID x 0.600 OD	4
19	68-14456-01	Cable Clamp, Cable Cutter 16 Gage	1
21	68-14143-00	Bracket, 0.125 Thick Aluminum	2
22	68-15286-00	Partition, 0.090 Thick Aluminum	1

2.23 ECONOMIZER

Item	Part Number	Description	Qty
1	34-06053-05	Washer, 0.205 ID x 0.600 OD	8
2	66U1-5371	Screw, Machined HXHD	6
3	66U1-5321-2	Washer, Plain	6
4	66U1-5331-4	Washer, Lock	6
5	68-15296-00	Bracket, White	1
	68-15296-00	Bracket, Orange	1
6	68-15170-00	Bracket, White	1
	68-15170-01	Bracket, Orange	1
7	58-00836-19	Spacer, Nylon, 0.50D x 0.562L	2
8	34-06053-00	Washer, 0.250 ID x 0.800 OD	39
9	66U1-5321-7	Washer, Plain 1/4 W	34
10	34-00667-11	Nut, Self Lock 1/4-20	2
11	58-04026-59	Protector, Solenoid Valve	2
12	34-00373-54	Clamp, Tube	1
13	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750	3
14	68-15294-00	Cover, White	1
	68-1594-01	Cover, Orange	1

2.24 RECEIVER

Item	Part Number	Description	Qty
STANDARD PARTS INCLUDED IN OPTIONS			
1	14-00341-07	Filter Drier, 1/2 Flare, “O” Ring Single - Includes:	1
2	14-00284-20	O-Ring, Filter Drier	2
NS	14-00341-07Pk25	Filter Drier, 1/2 Flare, “O” Ring 25 Pack - Includes:	1
NS	14-00284-20	O-Ring, Filter Drier	25
3	66U1-5361-25	Screw, Captive HXHD 1/4-20 x 0.75	33
4	66U1-5321-7	Washer, Plain 1/4 W	34
5	34-06053-00	Washer, 0.250 ID x 0.800 OD	39

2.24 RECEIVER (Continued)			
Item	**Part Number**	**Description**	**Qty**
6	66U1-5321-8	Washer, Plain #10	6
7	34-06053-05	Washer, 0.205 ID x 0.600 OD	8
8	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500	10
9	68-15171-00	Bracket, White, 0.125 Thick Aluminum	1
	68-15171-01	Bracket, Orange, 0.125 Thick Aluminum	1
10	44-00370-03	Clamp, Cushioned 0.50 Diameter	2
11	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750	3
12	66U1-3882-3	Wire Tie, 1/16-4.0 Selflocking	7
13	58-00969-00	Wire Tie, 2.80 Diameter Double Loop	2
14	66U1-3803	Tube, Heat Shrink 0.25 x 2.12 Blk	4
15	14-01091-01	Coil, Solenoid Valve	2
16	68-15170-00	Bracket, White, 0.125 Thick Aluminum	1
	68-15170-01	Bracket, Orange, 0.125 Thick Aluminum	1
17	66U1-1571-3	Grommet, 0.50 ID x 1.00 OD	1
18	14-00285-00	Valve, Solenoid 0.36 Port, Norm Open	1
19	14-01090-12	Valve Body, Solenoid	1
20	69NP20-1031	Clamp, Tube 2.88 Diameter Cushion	1
21	34-06053-03	Washer, 0.250 ID x 1.000 OD	2
22	66U1-2552-133	Gasket, Neoprene	1
23	40-00520-01	Coupling, HP, with Cap	1
24	68-15172-00	Bracket, White, 0.125 Thick Aluminum	1
	68-15172-01	Bracket, Orange, 0.125 Thick Aluminum	1
25	34-00373-07	Clamp, Tube 0.62 Diameter Cushion	1
26	58-04026-61	Protector, 5.63 x 2.00 with 2 Slots	2
OPTION 1 - STANDARD RECEIVER			
See Previous Section for Standard Parts and use with Items Below:			
-	79-01785-01	Receiver Assembly - Includes:	1
27	65-00185-00	Receiver, With Brass Connections	1
28	14-00221-03	Indicator, Moisture & Liquid	1
29	14-01032-14	Plug, Fusible 3/8 NFPT	1
30	14-00220-04	Sight Glass	1
31	14-00222-02	Valve, King (R-134A)	1
OPTION 2 - SMALL RECEIVER, WITHOUT KING VALVE			
See Previous Section for Standard Parts and use with Items Below:			
-	79-01785-02	Receiver Assembly - Includes:	1
27	65-000185-00	Receiver, With Brass Connections	1
28	14-00221-03	Indicator, Moisture & Liquid	1
29	14-01032-14	Plug, Fusible 3/8 NFPT	1
30	14-00220-04	Sight Glass	1
31	14-00222-02	Fitting, King (R-134A)	1
32	66U1-5361-7	Screw, Cap HXHD 3/8-16 x 1.00	1
33	34-00662-13	Washer, Plain, 3/8 Medium 0.062 Thick	1
34	34-06053-02	Washer, 0.375 ID x 1.00 OD	1

2.25 WATER-COOLED CONDENSER

Item	Part Number	Description	Qty
-	76-00734-00	Condenser/Receiver Assembly for Field Installation - Includes:	1
1	69NT42-954-4	Condenser - Includes:	1
2	14-00220-00	Sight Glass, 1/2-14 NPT	1
3	14-00215-05	Rupture Disc 3/8 NPT	1
4	66U1-3803	Tube, Heat Shrink 0.25 x 2.12 Blk	8
5	40-01129-00	Coupling, Self-Draining - Includes:	1
6	42-50000-00	Seal, O-Ring	1
7	66U2-1152	Cap, Dust Socket	1
8	66U2-1142	Cap, Dust Plug	1
9	66U1-2763-5	Coupling Assembly, Water In	1
10	66U2-1132-1	Connector, Electric 16-14 Ga.	2
11	12-01071-02SV	Switch, Pressure 1/4 Female Flr. **OPTION W**	1
12	66U1-5361-25	Screw, Captive HXHD 1/4-20 x 0.75	31
13	66U1-5321-7	Washer, Plain 1/4 W	32
14	34-06053-00	Washer, 0.250 ID x 0.800 OD	37
15	34-06053-03	Washer, 0.250 ID x 1.000 OD	2
16	69NP20-1031	Clamp, Tube 2.88 Diameter Cushion	1
17	14-00341-07	Filter Drier, 1/2 Flare, “O” Ring Single - Includes:	1
18	14-00284-20	O-Ring, Filter Drier	2
17	14-00341-07Pk25	Filter Drier, 1/2 Flare, “O” Ring 25 Pack - Includes:	1
18	14-00284-20	O-Ring, Filter Drier	25
19	66U1-2552-133	Gasket	1

2.25 WATER-COOLED CONDENSER (Continued)			
Item	**Part Number**	**Description**	**Qty**
20	58-00956-00	Protector, Mylar	2
21	68-15171-00	Bracket, 0.125	1
22	34-06053-05	Washer, 0.205 ID x 0.600 OD	8
23	44-00370-03	Clamp, Cushioned 0.50 Diameter	1
24	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	10
25	66U1-5321-8	Washer, Plain #10	6
26	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500	10
27	14-01091-02	Coil, Unloader Solenoid Valve	1
28	14-01090-11	Valve Body, Unloader Solenoid	11
29	14-01090-12	Valve, Solenoid	1
30	58-00969-00	Wire Tie, 2.80 Diameter Double Loop	3
31	14-01091-01	Coil, Solenoid Valve	2
32	68-15170-00	Bracket, 0.125	1
33	66U1-1571-3	Grommet 0.50 ID x 1.00 OD	1
34	58-00957-00	Protector	1
35	66U1-5361-7	Screw, Captive HXHD 3/8-16 x 1.00	1
36	34-00662-13	Washer, Plain 3/8	1
37	34-06053-02	Washer 0.375 ID x 1.000 OD	1
38	40-00520-01	Coupling, with Cap	1
39	68-15172-00	Bracket, 0.125	1
40	34-00373-07	Clamp, Tube 0.62 Diameter Cushion	1
41	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750	3
42	58-04026-52	Protector	1

2.26 CONDENSER COIL AND COVERS

2.26	CONDENSER COIL AND COVERS (Continued)		
Item	**Part Number**	**Description**	**Qty**
1	81-01855-22SV	Coil Assembly, Condenser	1
2	58-04026-08	Protector, Coil Cover	1
3	34-00655-04	Screw, Cap HXHD, 1/4-20 x 0.50	7
4	66U1-5321-7	Washer, Plain, 1/4	34
5	34-06053-00	Mylar Washer, 0.250 ID x 0.800 OD	39
6	66U1-5361-25	Screw, Cap HXHD, 1/4-20 x 0.75	33
7	58-04026-50	Protector, Tube Sheet	2
8	58-04026-57	Protector, Center Tube Sheet	2
9	58-04026-03	Protector, Tube Sheet	2
10	68-15210-03	Cover, Orange	1
	68-15210-01	Cover, White	1
11	68-15285-01	Baffle, Orange	1
	68-15285-00	Baffle, White	1
12	34-00928-02	Rivet	2
13	58-04026-35	Protector	1
14	68-13355-00	Bracket, Scroll Condenser Coil	1
15	58-04026-21	Protector	1
16	58-04026-41	Protector, Coil Cover	2
17	58-04026-42	Protector, Coil Cover	2
18	58-04026-44	Protector, Coil Cover	2
19	34-00655-08	Screw, Cap HXHD, 1/4-20 x 1.00	1
20	34-01181-02	Washer, Flat	2
21	34-06053-22	Mylar Washer, 0.195 ID x 1.125 OD	2
22	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500	10
23	69NT35-2692-4	Washer, Fender	4
24	68-14546-06	Cover, Condenser Coil, Orange	1
	68-14546-05	Cover, Condenser Coil, White	1
25	69NT35-8693-11	Protector	6

2.27 CONDENSER FAN MOTOR

2.27	CONDENSER FAN MOTOR (Continued)		
Item	**Part Number**	**Description**	**Qty**
STANDARD PARTS INCLUDED IN OPTIONS			
1	38-00585-00	Fan, Condenser (17-1/2 Diameter) - Composite	1
2	34-00667-12	Locknut, 5/16-18 - SST	4
3	34-01181-01	Washer, Flat, 5/16 - SST	8
4	34-06053-02	Washer, Mylar, 1.0 OD x 3/8 ID	4
5	69NT35-6112	Protector, Condenser Fan Motor Mounting	2
6	54-00586-20	Motor, Condenser Fan - Includes:	1
7	04-50027-00	Bearing	2
8	22-50088-02	Capacitor, 15 uF	1
9	PL	Key, 3/16 Square x 1-3/8 Long - SST	1
10	66U1-5361	Screw, HXHD, 5/16-18 x 1-1/4 Long - SST	4
11	58-00848-23	Tube, Slit 1/2 ID x 8 Long Corr	1
OPTION B - BOLTED CONDENSER FAN GRILLE			
See Previous Section for Standard Parts and use with Items Below:			
12	PL	Set Screw, Square Head, 5/16-24 x 5/8 Long - SST	2
13	62-02785-00	Label, CE (European Comm.)	1
14	76-00704-01	Grille and Venturi Assembly, Blue - Includes:	1
	76-00704-02	Grille and Venturi Assembly, White - Includes:	1
15	66U1-8912	Label, Rotation	1
16	34-06051-36	Rivnut 1/4-20 (0.027/0.165)	4
17	34-06053-03	Washer, Mylar, 1/4 ID x 1.00 OD	4
18	69NT35-2692-1	Washer, Fender 1/4 - SST	2
19	34-00663-11	Washer, Lock, 1/4 - SST	4
20	66U1-5361-25	Capscrew, HXHD, 1/4-20 x 3/4 Long - SST	4
21	34-00928-07	Rivet, Blind 0.156 Diameter 0.063-0.125	8
OPTION H - HINGED CONDENSER FAN GRILLE			
See Previous Section for Standard Parts and use with Items Below:			
12	34-06283-00	Screw, Set Squarehead 5/16-24 x 0.75 Long	2
13	62-02785-00	Label, CE (European Comm.)	1
14	76-00704-01	Grille and Venturi Assembly, Blue - Includes:	1
	76-00704-02	Grille and Venturi Assembly, White - Includes:	1
	79-01937-00	Grille and Venturi Assembly, Orange - Includes:	1
15	66U1-8912	Label, Rotation	1
17	34-06053-03	Washer, Mylar, 1/4 ID x 1.00 OD	4
18	69NT35-2692-1	Washer, Fender 1/4 - SST	2
21	34-00928-07	Rivet, Blind 0.156 Diameter 0.063-0.125	8
22	34-01142-01	Receptacle #12 Saddle Type	2
23	34-00928-02	Rivet, Blind 0 0.125 Diameter 0.126-0.187	4
24	34-06169-00	Washer, Retaining - SST	2
-	76-50075-00	Hinge Kit - Includes:	1
25	66U1-6811-8	Screw, Retaining - SST	2
	66U1-6811-12	Screw, Retaining (Phillips Head) - SST	2
26	34-06179-00	Screw, HXHD, #10-24 x 7/16 Long - SST	8
27	44-00374-00	Hinge	2
28	58-04101-07	Protector, Mylar	4

2.28 VOLTAGE CABLES

Item	Part Number	Description	Qty
CLAMPS ON BACK WALL AND CABLE CUTTERS			
1	34-00373-56	Clamp, Tube, Cushioned, 9/16 Diameter (**Used with Transicord)**	A/R
	34-00373-59	Clamp, Tube, Cushioned, 3/4 Diameter	A/R
2	66U1-5381-1	Screw, HXHD, #10-24 x 3/4 Long - SST	A/R
3	34-06053-03	Washer, Mylar, 1/4 ID x 1.00 OD	A/R
4	69NT35-6412-2	Clamp, Cable Cutter, 8 AWG cable	1
	68-14456-00	Clamp, Cable Cutter, 10 AWG cable	1
	58-14456-01	Clamp, Cable Cutter, 11 AWG cable	1
5	58-04026-07	Protector, Mylar	A/R
6	66U1-5361-11	Screw, Machined HXHD, 1/4-20 x 1-1/2 Long - SST	A/R
7	34-00667-11	Locknut, HXHD, 1/4-20 - SST	A/R
8	66U1-5321-7	Washer, Flat, 1/4 - SST	A/R
9	34-06053-03	Washer, Mylar, 0.25 ID x 1.00 O. D.	A/R
460V CABLES			
STANDARD PARTS FOR ALL 460V CABLES			
10	22-02324-01	Bushing (**Used with Standard Cable)**	4
	22-02324-05	Bushing (**Used with Transicord)**	4
11	66U1-2583	Heat Shrink Tube (Coil Label) - “460V”	1
OPTION 1			
12	66U1-9782	Cable, Power - Yellow, 10/4	A/R
13	22-02378-00	Plug, Power	1
OPTION 2			
12	22-01551-00	Cable, Power - Yellow, 33 Amp, 11 AWG	A/R
13	22-02378-00	Plug, Power	1
OPTION 3			
12	66U1-9782	Cable, Power - Yellow, 10/4	A/R
13	22-01891-00	Plug, Power	1
OPTION 4			
12	22-01551-00	Cable, Power - Yellow, 33 Amp, 11 AWG	A/R
13	22-01891-00	Plug, Power	1

2.28 VOLTAGE CABLES (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 5			
12	22-01551-00	Cable, Power - Yellow, 33 Amp, 11 AWG	A/R
13	22-01883-00	Plug, Power	1
OPTION 6			
12	22-01551-00	Cable, Power - Yellow, 33 Amp, 11 AWG	A/R
13	22-01891-00	Plug, Power	1
OPTION 7			
12	66U1-9782	Cable, Power - Yellow, 10/4	A/R
13	22-01891-00	Plug, Power	1
OPTION 8			
12	66U1-9782	Cable, Power - Yellow, 10/4	A/R
13	22-01932-00	Plug, Power	1
OPTION 9			
12	66U1-9782	Cable, Power - Yellow, 10/4	A/R
13	22-02232-00	Plug, Power	1
230V CABLES			
STANDARD PARTS FOR ALL 230V CABLES			
11	66U1-2583-1	Heat Shrink Tube (Coil Label) - “230V”	1
10	22-02324-02	Bushing (Used with 8 AWG)	4
12	66U1-9782-1	Cable, Power - Black, 35 amps, 8 AWG	A/R
OPTION 1			
13	22-02188-00	Plug, Power	1
OPTION 2			
13	22-02375-00	Plug, Power	1
OPTION 3			
13	66U1-6782-3	Plug, Power	1
OPTION 4			
13	22-01744-00	Plug, Power	1
OPTION 5			
13	22-02322-00	Plug, Power	1
OPTION 6			
13	22-01884-00	Plug, Power	1
OPTION 7			
13	66U1-6782	Plug, Power	1
OPTION 8			
13	22-01931-00	Plug, Power	1
OPTION 9			
13	22-01906-00	Plug, Power	1

2.29 AUTOTRANSFORMER

Item	Part Number	Description	Qty
STANDARD PARTS INCLUDED IN EACH SERVICE OPTION			
1	66U1-5321-7	Washer, Plain, 1/4 W Type A	7
2	34-06053-00	Washer, Mylar, 0.250 ID x 0.800 OD	5
3	AA06JA-170	Screw, HXHD, 1/4-20 x 1.00 Long	7
4	58-04026-07	Protector, Mylar	1
5	68-14456-02	Cable Cutter	1
OPTION 1 - AUTOTRANSFORMER WITHOUT CB2			
See Previous Section for Standard Parts and use with Item Below			
-	76-00667-04	Transformer Kit, Field Installation, **without CB2** - Includes:	1
6	58-04026-25	Protector 1.00 x 6.62 with 2 Slots	1
7	69NT35-2086	Spacer 0.25 Thick Aluminum	1
8	34-00667-12	Nut, Self Lock 5/16-18	6
9	34-01181-01	Washer, Flat 0.320/0.330ID	6
10	34-06053-02	Washer 0.375 ID x 1.000 OD	4
11	69NT40-914-4	Transformer Assembly	1
12	58-04026-17	Protector 2.00 x 13.0 with 2 Holes	2
13	69NT43-374	Bracket Assembly Dv Transformer Module	1

2.29 AUTOTRANSFORMER (Continued)			
Item	**Part Number**	**Description**	**Qty**
14	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	4
15	66U1-5321-8	Washer, Plain #10 Type A	8
16	34-06053-05	Washer 0.205 ID x 0.600 OD	4
17	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750 Slotted	4
18	22-01679-00	Receptacle 32 Amp/Bryant	1
19	69NT41-892	Cover Assembly Transformer Module, Receptacle	1
20	42-00328-00	Gasket 0.094 Thick x 3.60 x 5.74	1
21	69NT43-282	Box Assembly Transformer Module, CB2	1
22	34-06053-10	Washer 0.138 ID x 0.343 OD	4
23	66U2-1531-3	Screw, Machined Roundhead #6-32 x 0.375 Long SS	4
24	AU27JR-171	Washer, Lock 1/4 Ext Tooth	1
25	66U1-5321-3	Washer, Plain 1/4 N Type A	1
26	34-00667-11	Nut, Self Lock 1/4-20	1
27	22-01778-00	Terminal, Block Three Terminal	1
28	34-00795-09	Nut, Self Lock 10-32	2
29	34-00928-02	Rivet, Blind 0.125 Diameter 0.126-0.187	3
30	22-02319-05	Connector Str 3/4 Hub	1
31	22-02319-06	Connector Str, 0.590/1.00 Diameter	1
32	69NT43-270-1	Box Assembly, Weld DV Trans Module	1
33	34-06136-01	Nut, Lock 3/4” NPT	1
34	34-06136-02	Nut, Lock 1.00 NPT	1
35	42-00366-00	Gasket 0.094 Thick, 3.20 x 3.200	1
36	68-13832-00	Plate Assembly, 0.090 Thick Aluminum	1
OPTION 2 - AUTOTRANSFORMER WITH CB2			
See Previous Page for Standard Parts and use with Items Below			
-	76-00667-03	Transformer Kit, Field Installation, **with CB2** - Includes:	1
6	58-04026-25	Protector 1.00 x 6.62 with 2 Slots	1
7	69NT35-2086	Spacer 0.25 Thick Aluminum	1
8	34-00667-12	Nut, Self Lock 5/16-18	6
9	34-01181-01	Washer, Flat 0.320/0.330 ID	6
10	34-06053-02	Washer 0.375 ID x 1.000 OD	4
11	69NT40-914-4	Transformer Assembly	1
12	58-04026-17	Protector 2.00 x 13.0 with 2 Holes	2
13	69NT43-374	Bracket Assembly DV Transformer Module	1
14	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	4
15	66U1-5321-8	Washer, Plain #10 Type A	8
16	34-06053-05	Washer 0.205 ID x 0.600 OD	4
17	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750 Slotted	4
18	22-01679-00	Receptacle 32 Amp/Bryant	1
19	69NT41-892	Cover Assembly Transformer Module, Receptacle	1
20	42-00328-00	Gasket 0.094 Thick x 3.60 x 5.74	1
21	69NT43-282	Box Assembly, Transformer Module, CB2	1
22	34-06053-10	Washer 0.138 ID x 0.343 OD	6
24	AU27JR-171	Washer, Lock 1/4 Ext Tooth	1
25	66U1-5321-3	Washer, Plain 1/4 N Type A	1
26	34-00667-11	Nut, Self Lock 1/4-20	1
29	34-00928-02	Rivet, Blind 0.125, Diameter 0.126-0.187	3

2.29 AUTOTRANSFORMER (Continued)			
Item	**Part Number**	**Description**	**Qty**
30	22-02319-05	Connector Str 3/4 Hub	1
23	66U2-1531-3	Screw, Machined Roundhead #6-32 x 0.375 Long, SST	6
31	22-02319-06	Connector Str, 0.590/1.00 Diameter	1
32	69NT43-270	Box Assembly, Weld DV Transformer Module	1
33	34-06136-01	Nut, Lock 3/4” NPT	1
34	34-06136-02	Nut, Lock 1.00 NPT	1
37	69NT35-1076	Label, On/Off (0.35 x 1.55)	1
38	69NT35-1076-1	Label, CB2 230V On/Off	1
39	66U2-1531-1	Boot 2.66 x 2.97, Black	1
40	68-13961-00	Boot, Frame 0.090 Thick Aluminum	1
41	10-00083-06	Circuit Breaker 70A-250 VAC-50/60Hz	1
42	10-00083-07	Nut, Hex 1/4-20	6
43	10-00083-08	Washer, Flat 1/4 (Circuit Breaker)	12

2.30 CABLE RESTRAINT COMPONENTS

OPTION 3 - J-HOOK

OPTION 2 - LEFT SIDE BUNGYCORD

OPTION R - DUMMY RECEPTACLE

Item	Part Number	Description	Qty
OPTION 1 - DOOR OR L. BUNGY CORD PROVISIONING			
1	66U1-5321-7	Washer, Flat, 1/4 - SST	2
2	66U1-5361-25	Screw, Captive, Hex, Head, 1/4-20 x 0.75 Long - SST	2
3	34-06053-03	Washer, Mylar, 0.25 ID x 1.00 OD	2
OPTION 2 - LEFT SIDE BUNGY CORD ONLY			
1	66U1-5321-7	Washer, Flat, 1/4 - SST	2
2	66U1-5361-25	Screw, Captive, Hex, Head, 1/4-20 x 0.75 Long - SST	2
3	34-06053-03	Washer, Mylar, 0.25 ID x 1.00 OD	2
4	69NT35-5992	Cable Restraint, SST	1
5	66U1-2603	Strap, Tie Down	1
OPTION 3 - J-HOOK			
1	66U1-5321-7	Washer, Flat, 1/4 - SST	2
2	66U1-5361-25	Screw, Captive, Hex, Head, 1/4-20 x 0.75 Long - SST	2
6	69NT35-8382	Cable Restraint, J-Hook	1
7	58-04026-22	Protector, Mylar	1
OPTION R - DUMMY RECEPTACLE			
8	22-01679-03	Receptacle	1
9	66U1-5321-7	Washer, Flat, 1/4 - SST	2
10	66U1-5361-25	Screw, Captive, Hex, Head, 1/4-20 x 0.75 Long - SST	2
11	34-06053-03	Washer, Mylar, 0.25 ID x 1.00 OD	2
12	66U1-5321-8	Washer, Flat, #10 SST	4
13	66U1-5371-6	Screw, Captive, Hex, Head, 10-24 x 0.75 Long - SST	4

2.31 INTERROGATOR RECEPTACLE

2.31 INTERROGATOR RECEPTACLE (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 7 - CONTROL BOX MOUNTING WITH/WITHOUT VOLTAGE SHIELD, WITH EMERGENCY BYPASS SYSTEM			
1	22-01660-03	Receptacle (5 Pin)	1
2	34-06139-04	Receptacle 1/4” Retaining	A/R
3	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	1
4	22-01660-05	Cap, Dust (5 Pin Receptacle)	1
5	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	3
6	34-06142-00	Rivet 0.110 Diameter 0.126-0.250	4
7	58-01097-00	Cord, Nylon 0.085 OD x Bulk Length	1
8	22-02205-00	Connector Splice, Non Insoul	2
9	68-14482-00	Bracket 0.090 Thick Aluminum	1
10	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	2
OPTION 8 - CONTROL BOX MOUNTING WITH/WITHOUT VOLTAGE SHIELDS			
1	22-01660-03	Receptacle (5 Pin)	1
2	34-06139-03	Receptacle 1/4” Retaining	A/R
3	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	1
5	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	3
6	34-06142-00	Rivet 0.110 Diameter 0.126-0.250	4
9	68-12434-02	Bracket 0.125 Thick Aluminum	1
10	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	2
11	42-00174-57	Gasket 0.50Th x 4” x 2.62”	1
OPTION 9 - LEFT SIDE MOUNTING WITHOUT VOLTAGE SHIELDS			
1	22-01660-00	Receptacle (3 Pin)	1
3	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	1
4	22-02413-00	Cap, Dust	1
5	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	3
6	34-06142-00	Rivet 0.110 Diameter 0.126-0.250	4
8	22-02205-00	Connector Splice, Non Insulated	2
10	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	2
12	69NT40-222	Bracket Assembly, Veam Strgt Mtg	1
13	66U1-5371-7	Screw, Machined HXHD #10-20 x 0.00 Slotted	2
14	34-06053-05	Washer, 0.205 ID x 0.600 OD	2
15	66U1-5321-8	Washer, Plain #10 Type A	2
OPTION 10 - LEFT SIDE MOUNTING WITH VOLTAGE SHIELDS			
1	22-01660-03	Receptacle (5 Pin)	1
2	34-06139-04	Receptacle 1/4” Retaining	1
3	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	1
4	22-02413-05	Cap, Dust (5 Pin Receptacle)	1
5	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	3
6	34-06142-00	Rivet 0.110 Diameter 0.126-0.250	4
7	58-01097-00	Cord, Nylon 0.085 OD x Bulk Length	1
8	22-02205-00	Connector Splice, Non Insulated	2
9	69NT35-9952	Angle 0.080 Thick Aluminum, Ptd	1
10	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	2
12	69NT41-192	Bracket Assembly Strgt Mtg	1
13	66U1-5371-7	Screw, Machined HXHD #10-20 x 0.00 Slotted	2
14	34-06053-05	Washer, 0.205 ID x 0.600 OD	2
15	66U1-5321-8	Washer, Plain #10 Type A	2

2.31 INTERROGATOR RECEPTACLE (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 11 - LEFT SIDE MOUNTING WITH/WITHOUT VOLTAGE SHIELDS AND EMERGENCY BYPASS SYSTEM			
1	22-01660-03	Receptacle (5 Pin)	1
2	34-06139-04	Receptacle 1/4” Retaining	A/R
3	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	1
4	22-02413-05	Cap, Dust (5 Pin Receptacle)	1
5	58-04316-00	Base, Mounting 0.250 Diameter Mtg Hole	3
6	34-06142-00	Rivet 0.110 Diameter 0.126-0.250	4
7	58-01097-00	Cord, Nylon 0.085 OD x Bulk Length	1
8	22-02205-00	Connector Splice, Non Insulated	2
9	68-14482-00	Angle 0.090 Thick Aluminum	1
10	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	2
12	69NT41-192	Bracket Assembly Strgt Mtg, White	1
	69NT41-192-1	Bracket Assembly Strgt Mtg, Orange	1
13	66U1-5371-7	Screw, Machined HXHD #10-20 x 0.00 Slotted	2
14	34-06053-05	Washer, 0.205 ID x 0.600 OD	2
15	66U1-5321-8	Washer, Plain #10 Type A	2
NOTE Do not mix silver and gold pins and sockets.			

2.32 VACUUM RELIEF VALVE / CONTROLLED ATMOSPHERE OPTION

Item	Part Number	Description	Qty
COMMON PARTS			
1	58-04127-06	Elbow, 2” Schedule 80	1
2	58-04127-00	Tube, Flanged -Plastic	1
3	58-04127-07	Collar	1
4	66U1-5321-7	Washer, Plain 1/4	A/R
5	66U1-5361-25	Screw, HXHD 1/4-20 x 0.75	A/R
6	58-00065-72	Grommet	1
7	58-04127-05	Coupling 2” Sch. 80	1
VACUUM RELIEF VALVE ONLY			
8	40-66615-00	Valve, Vacuum Relief	1
9	34-06053-00	Washer, Plain 0.25 ID x 0.80 OD	8
OPTION WITH NITROGEN-FED CONTROLLED ATMOSPHERE			
10	58-04127-03	Valve, Pressure Relief	1
11	58-00989-03	Mylar Protector	4
12	58-04170-01	Tube Assembly, Nitrogen Feed	2
13	69NT35-8012	Bracket 14 Ga. SST 2B	2
14	34-00928-13	Rivet, Blind, 0.187 Diameter 0.126-0.250	4
15	66U1-5321-8	Washer, #10	4
16	66U1-5371-10	Screw, Machine, HXHD, Slotted #10-24 x 1.00	4
17	58-00065-71	Grommet, Nitrogen Atmosphere	2

2.33 DRAIN

Item	Part Number	Description	Qty
1	68-15028-00	Channel, 0.063 Thick Aluminum, White	1
	68-15028-01	Channel, 0.063 Thick Aluminum, Orange	1
2	34-00928-03	Rivet, Blind, 1/8 Diameter, Grip Range 3/16-1/4	2
3	58-04696-00	Drain	1
4	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750 Slotted	2
5	66U1-5321-8	Washer, Plain #10 Type A	2
6	58-04316-00	Base, Mounting	5
7	66U1-3882	Wire Tie, 1/16 - 1 3/4 Self-locking	4
8	58-00969-00	Wire Tie, 2.80 Diameter, Double Loop	1
9	58-04539-07	Tube, Flexible, 69” Long	1
10	68-15053-00	Shield, 0.063 Thick Aluminum	1
	68-15053-01	Shield, 0.063 Thick Aluminum, Orange	1
11	34-00928-02	Rivet, Blind, 1/8 Diameter, Grip Range 1/8-3/16	2

2.34 OPTION 9 AND OPTION P - ELECTRONIC PARTLOW TEMPERATURE RECORDER

Item	Part Number	Description	Qty
OPTION 9 - NO TEMPERATURE RECORDER			
1	66U1-5321-7	Washer, Flat, 1/4 - SST	2
2	66U1-5361-25	Screw, Captive HXHD, 1/4-20 x 0.75 Long - SST	4
4	69NT35-2692-1	Washer, Fender, 1/4 ID x 0.993-1.015 OD	2
3	34-06053-13	Washer, Retaining, 0.195 ID x 0.80 OD - Mylar	2
5	34-06053-03	Washer, 0.25 ID x 1.00 OD - Mylar	2
29	68-12658-01	Recorder Cover, Blue	1
	68-12658-20	Recorder Cover, White	1
	68-12658-04	Recorder Cover, Orange	1
OPTION P - TEMPERATURE RECORDER PROVISION			
1	66U1-5321-7	Washer, Flat, 1/4 - SST	2
2	66U1-5361-25	Screw, Captive HXHD, 1/4-20 x 0.75 Long - SST	4
4	69NT35-2692-1	Washer, Fender, 1/4 ID x 0.993-1.015 OD	2
3	34-06053-13	Washer, Retaining, 0.195 ID x 0.80 OD - Mylar	2
5	34-06053-03	Washer, 0.25 ID x 1.00 OD - Mylar	2
19	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	4
16	22-01713-16	Harness ML3; E-Record	1
29	68-12658-01	Recorder Cover, Blue	1
12	22-01713-18	Harness, E-Record Connection	2

2.35 OPTION 12 AND OPTION 13 - ELECTRONIC PARTLOW TEMPERATURE RECORDER

2.35 OPTION 12 AND OPTION 13 - ELECTRONIC PARTLOW TEMPERATURE RECORDER (Continued)			
Item	**Part Number**	**Description**	**Qty**
STANDARD PARTS INCLUDED IN EACH SERVICE OPTION			
1	66U1-5321-7	Washer, Plain 1/4 W Type A	2
2	66U1-5361-25	Screw, Captive HXHD 1/4-20 x 0.75	4
3	34-06053-13	Washer, Retaining 0.19 ID x 0.80 OD (0.250)	2
4	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	2
5	34-06053-03	Washer 0.250 ID x 1.000 OD	2
6	42-01098-01	Gasket, Door 0.68 x 10.43 x 20.23	1
7	69NT35-5352-1	Foam, Double Coated 0.03 x 8.37 x 10.63	1
8	69NT35-5022-5	Window 0.12 x 8.37 x 10.63	1
9	68-13724-00	Bracket, Mtg Window, 0.090 Thick Aluminum	2
10	34-00795-09	Nut, Self Lock 10-32	4
11	58-04101-07	Protector 0.010 Thick x 0.75 x 2.63	4
12	44-00374-00	Hinge Recorder Door	2
13	34-06179-04	Screw, HXHD Sems #10-24 x 5/16	4
14	34-06179-00	Screw, HXHD Sems #10-24 x 7/16	8
15	34-06053-05	Washer 0.205 ID x 0.600 OD	4
16	22-01713-16	Harness ML3; E-Record	1
17	58-04246-00	Ty-Rap Base (#10) Mounting Tab	2
18	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	4
19	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	4
20	58-00616-02	Plug, Hole 0.50 Diameter x 0.12 Panel	2
21	58-00065-77	Grommet 0.38 ID x 1.25 OD	1
22	66U1-5321-8	Washer, Plain #10 Type A	2
OPTION 12 - SPECIAL TEMPERATURE RECORDER INSTALLED			
See Previous Page for Standard Parts and use with Items Below			
-	76-00701-10 **OPTION 12**	Partlow Recorder Kit, Special - Includes: Recorder, Box & Door Assemblies (**For field installation, units provisioned for - Refer to online Matrix)**	1
23	34-00663-09	Washer, Lock #10 Spring	1
24	34-06051-32	Rivnut 10-24 (0.020/0.130)	3
25	34-06053-00	Washer 0.250 ID x 0.800 OD	4
26	66U1-6811-8	Screw, Retaining 0.300-0.625 Panel	2
27	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
28	12-00464-07	Recorder, Temp Electronic Partlow	1
29	86-04217-02	Box Assembly Welded (Universal)	1
30	34-01142-01	Receptacle #12 Saddle Type	2
31	34-00928-01	Rivet, Blind 0.125 Diameter 0.063-0.125	4
32	69NT43-256	Door Assembly	1
OPTION 13 - STANDARD TEMPERATURE RECORDER INSTALLED			
See Previous Section for Standard Parts and use with Items Below			
-	76-00701-11 **OPTION 13**	Partlow Recorder Kit, Standard - Includes: Recorder, Box & Door Assemblies (**For field installation, units provisioned for - Refer to online Matrix)**	1
25	34-06053-00	Washer 0.250 ID x 0.800 OD	4
26	66U1-6811-8	Screw, Retaining 0.300-0.625 Panel	2
27	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
28	12-00464-08	Recorder, Temp Electronic Partlow (Standard)	1
29	86-04217-01	Box Assembly Welded (Saginomiya)	1
30	34-01142-01	Receptacle #12 Saddle Type	2

2.35 OPTION 12 AND OPTION 13 - ELECTRONIC PARTLOW TEMPERATURE RECORDER (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 13 - STANDARD TEMPERATURE RECORDER INSTALLED (Continued)			
31	34-00928-01	Rivet, Blind 0.125 Diameter 0.063-0.125	4
32	69NT43-256	Door Assembly	1
OPTION 13 - STANDARD TEMPERATURE RECORDER INSTALLED, WITH WING SCREWS			
See Previous Page for Standard Parts and use with Items Below			
-	76-00701-11 **OPTION 13**	Partlow Recorder Kit, Standard - Includes: Recorder, Box & Door Assemblies (**For field installation, units provisioned for - Refer to online Matrix)**	1
25	34-06053-00	Washer 0.250 ID x 0.800 OD	4
26	66U1-6811-16	Screw, Retaining 0.300-0.625 Pnl (Wing)	2
27	34-06169-00	Washer, Retaining 0.185 ID x 0.62 OD	2
28	12-00464-08	Recorder, Temp Electronic Partlow (Standard)	1
29	86-04217-01	Box Assembly Welded (Saginomiya)	1
30	34-01142-01	Receptacle #12 Saddle Type	2
31	34-00928-01	Rivet, Blind 0.125 Diameter 0.063-0.125	4
32	69NT43-256	Door Assembly	1
OPTION 13 - STANDARD TEMPERATURE RECORDER INSTALLED, WITH LATCH FASTENERS			
See Previous Page for Standard Parts and use with Items Below			
-	76-00701-11 **OPTION 7**	Partlow Recorder Kit, Standard - Includes: Recorder, Box & Door Assemblies (**For field installation, units provisioned for - Refer to online Matrix)**	1
28	12-00464-07	Recorder, Temp Electronic Partlow	1
29	86-04217-02	Box Assembly Welded (Universal)	1
32	69NT43-256	Door Assembly	1
33	34-06053-14	Washer, Retaining 0.165 ID x 0.500 OD	2
34	66U1-5321-2	Washer, Plain #8 Type A	6
35	34-00663-08	Washer, Lock #8 Spring	5
36	34-66635-00	Screw, Machined Pinhead #8-32 x 0.375 Long	5
37	44-66605-00	Latch	2
38	58-04026-74	Protector Latch	2
39	48-66611-00	Pin, Guide Machined	1
40	68-86032-00	Keeper Recorder	2
41	58-04026-73	Protector Electronic, Latch	2
42	34-00928-09	Rivet, Blind 0.156 Diameter 0.126-0.250	4

2.36 BULKHEAD PENETRATION - LOWER AIR EXCHANGE

Item	Part Number	Description	Qty
OPTION 2 - STANDARD INSTALLED			
1	58-04162-01	Duct, Elbow Fresh Air	1
2	69NT35-8258	Disc, 0.040 Thick Aluminum	1

2.37 LOWER FRESH AIR MAKE-UP

Item	Part Number	Description	Qty
OPTION 1 - LOWER FRESH AIR (NONE)			
1	69NT35-4047	Panel, Blank, Blue	1
	69NT35-4047-1	Panel, Blank, Orange	1
	69NT35-4047-20	Panel, Blank, White	1
2	66U1-5361-25	Screw, HXHD, 1/4-20 x 3/4 Long - SST	3
3	34-06053-18	Washer, Mylar, 1/4 ID x 1.00 OD	3
4	66U1-5321-3	Washer, Flat, 1/4, Type A- SST	3
5	69NT43-307	Bracket, Panel	1
6	42-00465-00	Gasket	1
7	69NT35-2692-1	Washer, Fender 1/4 - SST	1
OPTION 2 - INSTALLED			
-	69NT41-852-3	Cover, Fresh Air Makeup - Includes:	1
8	69NT41-257-2	Assembly, Slide	1
9	34-06092-00	Nut, Hex, 1/4-20 UNC-2B - SST	2
10	34-06053-03	Washer, 0.250 ID x 1.000 OD	2

2.37 LOWER FRESH AIR MAKE-UP (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 2 - INSTALLED			
-	69NT40-976-3	Cover Assembly, Air Bleed - Includes:	2
11	42-00233-01	Gasket, Air Exchange	2
12	69NT35-6922	Cover, 0.090 Thick Aluminum	2
13	42-00295-01	Gasket, Cover	1
14	42-00295-00	Gasket, Cover	1
15	69NT35-2692-1	Washer, Fender 1/4 - 0.993-1.015 OD	2
16	66U1-5362-1	Nut, Wing, 1/4-20 Type A - SST	2
17	58-00836-19	Spacer, Nylon, 0.50 D x 0.562 L	2
18	76-50116-03	Label Kit - Includes:	1
	62-10540-04	Label, Air Exchange, CMH - *English*	2
	66CH1-1002-33	Label, Arrow	3
	76-50116-00	Label Kit - Includes:	1
	69NT35-1417	Label, Air Exchange, CMH - *English (*Maersk Specification)	2
	66CH1-1002-33	Label, Arrow (Maersk Specification)	3
	76-50116-01	Label Kit - Includes:	1
	69NT35-9238	Label, Air Exchange, CFM - *English/Spanish*	2
	66CH1-1002-33	Label, Arrow	3
	76-50116-02	Label Kit - Includes:	1
	62-10540-00	Label, Air Exchange, CMH - *English/Spanish/Chinese*	2
	66CH1-1002-33	Label, Arrow	3
	76-50116-04	Label Kit - Includes:	1
	62-10540-00	Label, Air Exchange, CMH - *English/Spanish/Chinese (*NYK Specification)	2
	62-10381-00	Label, Arrow (NYK Specification)	3
19	69NT41-782	Bushing	2
20	69NT35-7012	Label, Fresh Air	1
21	69NT35-8348	Baffle, Unpainted	1
22	34-00928-09	Rivet, Blind, 0.156 Diameter, Grip Range - 3/16-1/4	4
23	69NT35-1287-1	Label, Fresh Air Exchange, CMH - *English* (Maersk Specification)	1
	69NT35-9228	Label, Fresh Air Exchange, CFM - *English/Spanish*	1
	62-10537-00	Label, Fresh Air Exchange, CMH - *English/Japanese/Chinese*	1
	62-10381-00	Label, Fresh Air Exchange, CMH - *English*	1
OPTION 5 - INSTALLED WITH SCREENS AND VPS - USE ALL OF OPTION 2 PLUS ITEM BELOW			
24	58-04263-01	Screen Assembly, Medfly	2
25	76-50136-00	Assembly, Vent Position Sensor - Includes:	1
26	79-01925-00	Sensor Assembly - Includes:	1
27	48-00377-00	Gear, Auto Lower Fresh Air	1
28	34-06262-00	Screw, Set #8- 32 x 0.156 Long	1
29	34-06287-00	Nut, Hex Jam 3/ 8- 32	1
30	34-06286-00	Washer, Lock 3/ 8- 32	1
31	68-14955-00	Bracket, 0.063 Thick SST	1
32	10-00455-00	Sensor, LVPS, Potentiometer	1
33	66U1-5371-7	Screw, HXHD 10-24 x 1/2 gl. SST	2
34	34-00666-09	Nut, Hex, 10-24 UNC-2B - SST	2
35	66U1-5321-8	Washer, Flat, 1/2, Type A- SST	2
36	34-06053-04	Washer, Mylar	2
37	62-10984-00	Label, LVPS, Air Exchange	1
38	79-01934-00	Assembly, Slide	1

2.38 LABELS AND DECALS (Not Applicable to All Units)

Item	Part Number	Description	Qty
STANDARD LABELS			
1	62-10754-00	Decal, Carrier EliteLine	1
	62-10754-01	Decal, Carrier EliteLine	1
2	69NT-35-3867	Label, Economy Mode	1
3	69NT-20-1893-1	Label, Degrees -C to Degrees -F	1
4	62-10799-02	Label, Function Code - *English*	1
5	62-02444-01	Label, Charge with R-134a	1
6	62-02458-01	Label, POE Compressor Oil	1
7	62-02863-01	Label, Fan Warning	1
8	62-02530-01	Label, R-134a - Ozone Protection, Umbrella Only	1
9	62-10356-00	Label, No Medfly	1
10	66CH1-1002-33	Label, ”>” (Arrow)	1
11	62-10926-00	Label, Cmh-Cfm Conversion	1
12	62-66678-01	Label, Refrigeration System	1

2.38 LABELS AND DECALS (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 1 - ENGLISH			
13	62-10904-00	Label, Welding Precautions - *English*	1
14	62-02743-16	Label, Operating Instructions (Electronic Partlow with Supply & Return Air)	1
	62-02743-18	Label, Operating Instructions (No Recorder)	1
15	62-11009-00	Label, Compressor Removal - *English*	1
16	62-11139-00	Label, Warning Compressor Power-Up - *English*	1
17	62-02723-00	Label, Fresh Air Makeup - *English*	1
	62-02723-03	Label, Fresh Air Makeup (with Full CMH) - *English*	1
	62-02723-10	Label, Fresh Air Makeup (with Full CMH + CFM) - *English*	1
OPTION 2 - ENGLISH/SPANISH			
13	62-10904-02	Label, Welding Precautions - *English/Spanish*	1
14	62-02743-01	Label, Operating Instructions (Partlow with Return Air) - *English/Spanish*	1
	62-02743-10	Label, Operating Instructions (No Recorder) - *English/Spanish*	1
16	62-11139-02	Label, Warning Compressor Power-Up - *English/Spanish*	1
17	62-02723-02	Label, Fresh Air Makeup - *English/Spanish*	1
	62-02723-04	Label, Fresh Air Makeup (with Full CMH) - *English/Spanish*	1
18	62-10998-00	Label, Secure Cable with Tie Wrap - *English/Spanish*	1
OPTION 5 - ENGLISH/TRADITIONAL CHINESE			
13	62-10904-04	Label, Welding Precautions - *English/Chinese*	1
14	62-02743-19	Label, Operating Instructions (Electronic Partlow with Supply & Return Air) - *English/Chinese*	1
15	62-11009-01	Label, Compressor Removal - *English/Chinese*	1
16	62-11139-01	Label, Warning Compressor Power-Up - *English/Chinese*	1
17	62-02723-06	Label, Fresh Air Makeup - *English/Chinese*	1
19	62-66644-00	Label, Manual Defrost Instructions - *English/Chinese*	1

2.39 EVAPORATOR TUBING AND COIL

2.39 EVAPORATOR TUBING AND COIL (Continued)			
Item	**Part Number**	**Description**	**Qty**
STANDARD PARTS INCLUDED IN EACH OPTION			
1	66U1-5321-3	Washer, Plain 1/4 N Type A	12
2	66U1-5361-25	Screw, Captive HXHD 1/4-20 x 0.75	9
3	34-00663-11	Washer, Lock 1/4 Spring	10
4	AA06JA-166	Screw, Captive HXHD 1/4-20 x 0.50	1
5	68-15216-00	Bracket, Support 0.125 Thick Aluminum	1
6	66U1-7452-3	Screw, Lag 1/4-10 x 2.00 HXHD	1
7	44-01143-05	Clamp, Tube 1/4 & 1/2 Diameter Multiple	1
8	34-00655-10	Screw, Captive HXHD 1/4-20 x 1.25	1
9	34-00667-11	Nut, Self Lock 1/4-20	1
10	34-00373-51	Clamp, Tube 0.25 Diameter Cushion	1
11	66U1-5381-1	Screw, Tf HXHD #10-24 x 0.75 L Thdcut	13
12	68-14890-00	Bracket 0.125Thick Aluminum	1
13	44-00370-03	Clamp, Cushioned 0.50 Diameter	3
14	56-08503-00	Tube, Liquid 0.500 OD x 0.035 W Cu	1
15	56-08501-00	Tube, Liquid 0.500 OD x 0.035 W Cu	1
16	56-08502-00	Tube, Suction 1.125 OD x 0.050 W Cu	1
17	58-04664-00	Insulation, Foam Formed, TXV Bulb	1
18	66U1-3882-3	Wire Tie 1/16-4.0 Selflocking	2
19	56-08500-00	Tube, Equalizer 0.250 OD x 0.028 W Cu	1
20	34-00928-09	Rivet, Blind 0.156 Diameter 0.126-0.250	4
21	68-15002-01	Bracket 0.125 Thick Aluminum	1
22	68-14999-00	Bracket 0.090 Thick Aluminum	1
23	66U1-5371-7	Screw, Machined HXHD #10-24 x 0.500 Slotted	1
24	56-08348-00	Tube 0.25OD Equalizer	1
25	14-00273-06	Valve Assembly, Expansion Hermetic, Liquid - Includes:	1
26	58-00065-56	Grommet 0.62 ID x 0.12 Groove	1
27	56-08346-00	Tube 0.375OD Liquid	1
28	56-08345-00	Tube 0.625OD Liquid	1
29	66U1-1571-3	Grommet 0.50 ID x 1.00 OD	1
30	58-00065-46	Grommet 0.25ID x 0.75 OD x 0.12	2
31	68-14892-00	Plate, Cover 0.125Thick Aluminum	1
32	62-10980-00	Label TXV Bulb	1
OPTION 7 - STANDARD THERMOSTATIC EXPANSION VALVE (TXV)			
See Previous Section for Standard Parts and Use with Items Below:			
33	81-01925-21	Coil Assembly, Evaporator TXV, with Varnish	A/R
	81-01925-20	Coil Assembly, Evaporator TXV, without Varnish	A/R
34	42-00667-12	Insulation, Tube Pre-Taped	1
35	42-00667-13	Insulation, Tube Pre-Taped	1
36	68-15015-00	Bracket, TXV 0.125 Thick Aluminum	1
37	34-00373-59	Clamp, Tube 0.75 Diameter Cushion	1

2.39 EVAPORATOR TUBING (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 8 - STANDARD THERMOSTATIC EXPANSION VALVE WITH BYPASS ASSEMBLY			
See Previous Page for Standard Parts and Use with Items Below:			
33	81-01925-20	Coil Assembly, Evaporator TXV, without Varnish	1
34	42-00667-12	Insulation, Tube Pre-Taped	1
35	42-00667-13	Insulation, Tube Pre-Taped	1
36	68-15385-01	Bracket, TXV 0.125 Thick Aluminum	1
38	14-01090-15	Valve Body Solenoid	1
39	66U1-3803	Tube, Heat Shrink 0.25 x 2.12 Blk	2
40	66U1-3882	Wire Tie 1/16-1-3/4 Selflocking	3
41	40-00169-16	Tee, Reducing 5/8 x 5/8 x 3/8	1
42	DE40BA-101	Tee 3/8	1
43	56-08590-00	Tube, Liquid 3/8 OD x 0.035 W	1
44	56-08591-00	Tube, Liquid 3/8 OD x 0.028 W	1
45	14-00362-00	Orifice 0.0595 ID x 0.375 OD	1
46	66U1-5371	Screw, Machined HXHD #8-32 x 1/2 Long Slotted	2
47	66U1-5321-2	Washer, Plain #8 Type A	2
48	66U1-5331-4	Washer, Lock #8 Spring	2
49	14-01091-01	Coil Solenoid Valve	1
50	66U1-5371-6	Screw, Machined HXHD #10-24 x 0.750 Slotted	1

2.40 EVAPORATOR FAN ASSEMBLY

TOP VIEW

Item	Part Number	Description	Qty
1	69NT43-295	Mounting Bracket, Evaporator Fan Assembly	4
2	69NT35-2692-1	Washer, Fender	8
3	34-00663-11	Washer, Lock, 1/4 - SST	8
4	34-06165-08	Screw, HXHD, 1/4-20 x 1.00 - SST (Red)	8
5	34-00655-08	Screw, Captive HXHD, 1/4-20 x 1.00	4
6	66U1-5321-3	Washer, Flat, 1/4 - SST	8
7	34-00795-17	Nut, Self Locking, 5/8-18 - SST	2
8	34-00616-06	Washer, Special, 5/8 - SST	4
9	38-00557-00	Fan, Evaporator	2
10	48-00262-00	Stator, Evaporator	2
11	58-04066-00	Protector - Mylar	2
12	54-00585-20	Motor, Evaporator Fan - Includes:	2
NS	04-50027-00	Bearing, Front (Shaft End)	1
NS	54-50027-01	Bearing, Back	1
NS	22-50088-00	Capacitor (20 μF) High Speed	1
NS	22-01997-05	Pin	1
NS	22-01892-00	Plug Assembly, Motor (Located on Wire Harness) - Includes:	1
NS	22-01614-03	Plug	1
NS	22-01613-15	Contacts	A/R
NS	22-01892-01	Receptacle Assembly, Motor - Includes:	1
NS	22-01997-11	Receptacle	1
NS	22-01997-12	Strain Relief	1
NS	22-01997-14	Contacts	A/R
13	66U1-2552-185	Gasket, 0.75 Thick x 1.5 x 16.63	1

2.41 HEATERS AND SENSORS (REAR PANELS REMOVED)

2.41 HEATERS AND SENSORS (Continued)			
Item	**Part Number**	**Description**	**Qty**
HEATERS			
1	-	Sensor Assembly (RRS & RTS) (See Section 2.15)	1
2	12-00495-02SV	Sensor, Thermistor, Defrost (DTS)	1
3	34-01178-22	Screw, HXHD, #8-32 x 1/2 lg. - SST	3
4	AU11JR-171	Washer, Lock, 1/4 - Spring	10
5	66U1-5361-25	Capscrew, HXHD, 1/4-20 x 3/4 lg. - SST	9
6	66U1-5321-3	Washer, Flat, 1/4 - SST	A/R
7	68-13600-00	Retainer (For Heaters)	3
8	69NT35-6532	Clip (For Heaters)	4
9	69NT35-2692-1	Washer, Fender 1/4-0.993-1.015 OD	2
10	66U1-5371-13	Screw, HXHD, #10-24 x 1.25 lg. - SST	2
11	12-00170-08	Thermostat, Heat Termination (HTT)	1
12	24-00006-02	Heater, Evaporator Coil	4
OPTION x - DEHUMIDICATION INSTALLED			
-	76-00675-01	Kit, Humidity Sensor (**Field installation, units provisioned for)** Includes:	-
13	10-00413-00	Sensor, Humidity (**HS)**	1
14	66U1-5371-10	Screw, HXHD, #10-24 x 1.00 Long - SST	4
15	66U1-5321-8	Washer, Flat, #10 - SST	2
16	68-13181-00	Bracket Assembly, Humidity Sensor	1
OPTION P - NO DEHUMIDIFICATION INSTALLED OR PROVISION FOR DEHUMIDIFICATION			
17	66U1-8292-1	Cap, Insulating 0.125 OD Black	3
18	58-04026-67	Protector 1.50 x 9.75 with 2 Holes	1

2.42 BACK PANEL ASSEMBLY

2.42 BACK PANEL ASSEMBLY (Continued)			
Item	**Part Number**	**Description**	**Qty**
OPTION 1 - ALUMINUM BOLTED			
1	34-00928-03	Rivet, Blind, 1/8 Diameter, Grip Range - 3/16-1/4	2
2	68-14373-00	Plate, 0.063 Thick Aluminum	1
3	58-04624-00	Drain, Condensate	1
4	76-00746-06	Panel Assembly, Upper - Includes:	1
5	68-15275-00	Panel Assembly, Back	1
6	68-15013-00	Drain Pan, Center (Location - Behind upper panel - Top)	1
7	68-15014-00	Drain Pan, Side (Location - Behind upper panel)	1
8	34-00928-02	Rivet, Blind 1/8 Diameter, Grip Range - 1/8-3/16	44
9	42-00174-34	Gasket 0.25 T x 1.5 W x 64.25	1
10	42-00334-00	Gasket 1.22 x 68.75 V-Type	1
11	69NT35-2692	Washer, Fender, #10 x 1.00 OD - SST	19
12	66U1-2403	Screw, Machine, Truss Head, #10-24 x 1/2 Long - SST	19
	66U1-7982-2	Rivet, TIR, 3/16 Diameter, Grip Range - 5/64-11/64	A/R
13	66U1-2593-24	Gasket, 20.48 Long. V-Type	2
14	68-86013-00	Panel, Back 0.125 Thick Aluminum	1
	68-14046-00	Panel, Back 0.080 Thick Aluminum	1
15	34-00928-04	Rivet, Blind, 1/8 Diameter, Grip Range - 1/4-5/16	6
OPTION 2 - HINGED PANEL			
1	34-00928-03	Rivet, Blind, 1/8 Diameter, Grip Range - 3/16-1/4	2
2	68-14373-00	Plate, 0.063 Thick Aluminum	1
3	58-04624-00	Drain, Condensate	1
4	76-00746-07	Panel Assembly, Upper - Includes:	1
5	68-15275-01	Panel Assembly, Back, 0.080	1
7	68-15014-00	Drain Pan, Side (Location - Behind upper panel)	1
6	68-15013-00	Drain Pan, Center (Location - Behind upper panel - Top)	1
8	34-00928-02	Rivet, Blind 1/8 Diameter, Grip Range - 1/8-3/16	44
9	42-00174-34	Gasket 0.25 T x 1.5 W x 64.25	1
10	42-00334-00	Gasket 1.22 x 68.75 V-Type	1
13	66U1-2593-24	Gasket, 20.48 Long. V-Type	2
14	68-14046-00	Panel, Back 0.080 Thick Aluminum	1
16	69NT35-3282	Hinge	4
17	34-00928-09	Rivet, Blind, 5/32 Diameter, Grip Range 1/8-1/4	16
18	34-01150-06	Stud, Captive 1.03 1/4 Turn Fastener	6
19	34-01150-03	Stud, Captive 0.94 1/4 Turn Fastener	8
20	34-01150-31	Receptacle, 1/4 Turn Fastener	14
21	34-01150-30	Washer, Lock, 1/4 Turn Fastener	14

3 INTERROGATOR ACCESSORIES

3.1 DATALINE/DATAREADER

3.1 DATALINE/DATAREADER (Continued)			
Item	**Part Number**	**Description**	**Qty**
1	07-00406-00	Disk Kit, DataLine (**SEE NOTE)** - Includes:	1
2	12-00413-05SV	Software, DataLine **NSS**	1
3	12-00528-00	Software, DataLine (Scroll) **NSS**	1
4	22-01737-02	Cable, H. P. PalmTop	1
5	76-50059-00	Kit, Cable, with Adapter - Includes:	1
6	22-02418-02	Cable, Interrogator	1
7	22-02420-00	Adapter	1
8	76-50058-00	Kit, Battery, with Cable - Includes:	1
9	**NSS**	Battery, External, with Battery Charger	1
10	22-02401-00	Cable	1
11	No Longer Offered	DataReader	-
12	22-01737-00	Cable, Download	1
13	22-01737-01	Cable, Adapter	1
14	22-01743-00	Cable, Upload	1
15	-	Receptacle - **Refer to section 2.31**	-

NOTE

Kit includes a 3.5 DS/HD Diskette, Formatted. If a DS/DD Diskette is required, contact a Customer Service Representative.

4 TOOLS	
PART NO.	**DESCRIPTION**
07-00013-00	Temperature Tester (**Simpson Meter)**
07-00013-01	Temperature Test Lead (**15 Foot)**
07-00013-02	Temperature Test Lead (**50 Foot)**
07-00013-03	Adapters, Male (Both Ends) (**Use with Temperature Tester)**
07-00015-00	Case, Carrying **(Used with 07-00013-00)**
07-00176-11	Vacuum Pump, Dual Voltage/Dual Frequency
07-00375-00	Stepper Motor Drive Tester
07-00408-00	Stepper Jumper Assembly
07-00450-00	Wrench, Compressor Sight Glass
07-00437-00	Inspection Light with Mirror
07-00228-00	Volt-Ohmmeter, Digital
07-00229-00	Amprobe Clamp (**Used with 07-00228-00)**
07-00238-00	Wrench, Service Valve
07-00243-10	Multimeter, Digital **(Fluke)**
07-00263-00	Pliers, Crimping (Used for Compressor Terminal Block replacement)
07-00264-00	Grip, Wire Vise (Used for Compressor Terminal Block replacement)
07-00277-00	Kit, Static Dissipative (Used for working on electronic components)
07-00304-00	Ground Strap, Wrist (Used for working on electronic components)
07-00294-00	Gauge Set, Manifold - **Fahrenheit/PSI**
07-00294-05	Gauge Set, Manifold - **Centigrade/KPa**
07-00295-00	Detector, Leak
07-00397-03	Extractor, Pin (Used on Fan Motor Plugs and Interrogator Plugs)
07-00397-02	Crimper, Pin (Used on Fan Motor Plugs and Interrogator Plugs)
07-00329-00	Extractor, Pin (Used on Controller Module Connectors)
07-00330-00	Crimper, Pin (Used on Controller Module Connectors)
07-00370-00	Crimper, Pin (**Used on Stepper Valve, HPS)**
07-00387-00	Extractor, Pin (**Used on Stepper Valve, HPS)**
07-00375-00	Tester, Portable, Stepper Motor Drive
07-00391-00	Application Gun (Used with 07-00390-00)
07-00398-00	Software Card Programmer
07-00409-00	1-1/8”, 3/8” Drive, Used on Economizer Valve
07-00410-00	1-3/8”, 3/8” Drive, Used on Suction/Discharge Valve
07-00411-00	2-1/8”, 3/8” Drive, Used on SMV
07-00418-00	Torx Driver Bit
Refer to Manual 62-03213	

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