



**TRANSICOLD**

# **Container Refrigeration Unit**

**Models**

**69NT20-274**

**69NT40-441**

**69NT40-444**

**69NT40-454**

**SERVICE  
PARTS LIST**



**TRANSICOLD**

# SERVICE PARTS LIST CONTAINER REFRIGERATION UNIT MODELS 69NT20-274 69NT40-441,-444 & -454

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## INTRODUCTION

This parts list identifies service replacement parts for the Carrier Transicold container Models listed in the Model Chart on page ii.

## ORDERING INSTRUCTIONS

All orders and inquiries for parts must include: Model, Unit Serial Number, part no., 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

## LETTER DESIGNATIONS

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

- A/R *As Required.*
- NLO *No Longer Offered.*
- NS *Not Shown in the illustration.*
- NSA *Non-Stock Assembly* – order components listed under the assembly.
- NSI *Non-Stock Item* – may be available on special order.
- NSS *Not Sold Separately* – order next higher assembly or kit.
- P-- *Suffix P--* – added to part number means part is available in packaged quantity only.  
Example: P/N34-00373-01P10 is a package of 10 P/N 34-00373-01.  
Use part number and P-- suffix when ordering.
- PL *Purchase Locally.*
- SST *Stainless Steel* – 300 Series unless otherwise specified.
- SV *Suffix SV* – added to part number designates service replacement part.

Model Chart

MODELS	Hinged Rear Panels	Two Speed Evaporator Fan Motors	Water-Cooled Condenser	Receiver	Power Transformer	Dual Voltage Compressor	Humidistat	Heat Exchanger
69NT20-274	-	X	A	-	-	-	X	-
69NT20-274-1	X	X	-	-	X	-	B	-
69NT40-444	-	X	A	-	-	-	X	-
69NT40-444-1	-	-	A	-	-	X	B	-
69NT40-444-2	-	X	A	-	-	-	X	-
69NT40-444-3	-	X	-	X	X	-	B	-
69NT40-444-4	X	-	-	X	-	X	B	-
69NT40-444-6	X	-	-	X	-	X	B	-
69NT40-454	-	X	X	-	-	-	B	-
<b>UNITS THAT HAVE PROVISIONS TO CONVERT TO R-22</b>								
69NT20-274-2	-	X	-	-	-	-	X	-
69NT20-274-3	-	X	-	X	-	-	X	C
69NT40-441-21	-	-	-	X	-	X	B	C
69NT40-441-22	-	-	-	X	-	X	B	C
69NT40-441-23	-	-	-	X	-	X	B	C
69NT40-441-24	-	X	-	X	-	-	X	C
69NT40-441-25	-	-	A	-	-	X	B	-
69NT40-444-7	-	X	-	X	X	-	B	-
69NT40-444-8	-	X	-	X	X	-	B	-
69NT40-444-9	-	X	-	X	-	-	X	-
69NT40-444-10	-	-	A	-	-	X	B	-
69NT40-444-11	-	X	-	X	-	-	X	-
69NT40-444-12	-	X	-	X	-	-	X	-
69NT40-444-13	-	X	-	X	-	-	X	-
69NT40-444-14	-	X	-	-	-	-	X	-
69NT40-444-15	X	X	-	X	X	-	B	-
69NT40-444-16	-	X	-	X	-	-	X	-
69NT40-444-17	-	X	-	X	X	-	B	-
69NT40-444-18	-	X	-	X	-	-	X	C
69NT40-444-19	-	X	-	X	-	-	X	C
69NT40-444-20	-	-	A	-	-	X	B	-
69NT40-444-21	-	-	A	-	-	X	B	-
69NT40-444-22	-	-	-	X	-	X	B	-
69NT40-444-23	-	-	-	X	-	X	B	C
69NT40-454-1	-	-	X	-	-	-	B	-
69NT40-454-2	-	X	X	-	-	-	B	-
69NT40-454-3	-	X	X	-	-	-	B	-

- A – Provision for water-cooled condenser. If water-cooled condenser is added, refrigerant charge will change.
- B – The microprocessor (Rev 104 or greater software) includes code 32 for dehumidification, even though the units do not have a humidistat.
- C – Provision for heat exchanger.
- X – Features that apply to model.

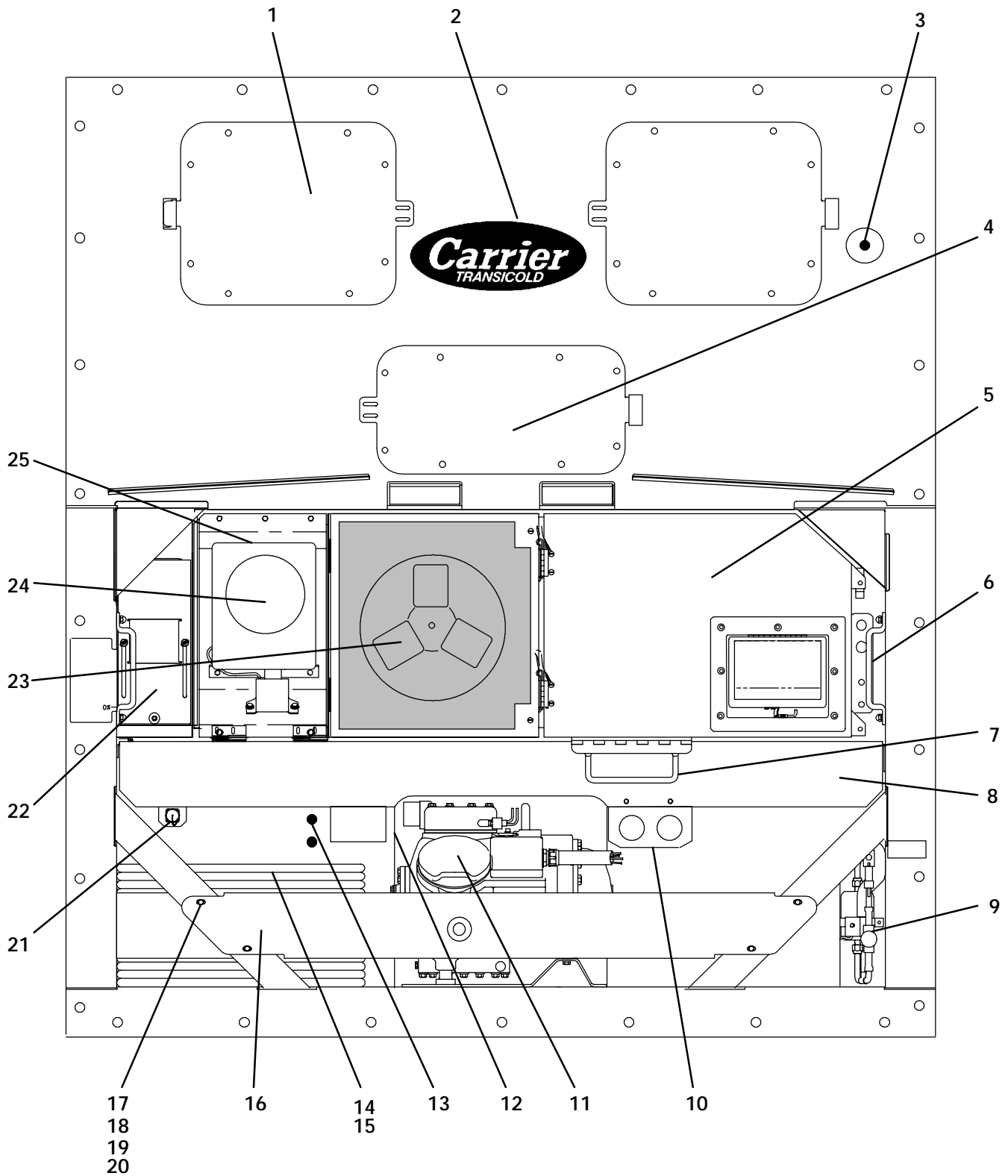
PART NO.	DESCRIPTION
<b>1. QUICK LIST -- CLAMPS, FILTER-DRIER, FUSE, TY-RAPS, AND WIRE TERMINALS</b>	
34-00373-51P10	Clamp, Tube, 1/4 – SST
34-00373-53P10	Clamp, Tube, 3/8 – SST
34-00373-05P10	Clamp, Tube, 1/2 – SST
34-00373-07P10	Clamp, Tube, 5/8 – SST
34-00373-59P10	Clamp, Tube, 3/4 – SST
34-00373-11P10	Clamp, Tube, 7/8 – SST
34-00373-65P10	Clamp, Tube, 1-1/8 – SST
34-00373-67P10	Clamp, Tube, 1-1/4 – SST
34-00373-69P10	Clamp, Tube, 1-3/8 – SST
34-00373-71P10	Clamp, Tube, 1-1/2 – SST
22-00066-01P25	Connector, Butt End, Wire Range – 22 to 16 Gauge
22-00066-02P25	Connector, Butt End, Wire Range – 16 to 14 Gauge
22-00066-03P25	Connector, Butt End, Wire Range – 12 to 10 Gauge
22-00041-00P25	Connector, Closed End, Wire Range – 22 to 14 Gauge
22-00041-02P25	Connector, Closed End, Wire Range – 18 to 10 Gauge
66U1-7472-1	Filter-Drier
HY10FJ006-P05	Fuse, 6 amp
22-00060-21P05	Fuse, 5 amp (Slow Blow)
HY10FJ203-P05	Fuse, 3 amp
22-00060-22P05	Fuse, 1 amp
22-01140-01P25	Ring Terminal, #6, Wire Range – 12 to 10 Gauge
22-01140-02P25	Ring Terminal, #10, Wire Range – 12 to 10 Gauge
22-01140-04P25	Ring Terminal, 3/8, Wire Range – 12 to 10 Gauge
22-00119-04P25	Ring Terminal, 1/4, Wire Range – 12 to 10 Gauge
22-00120-04P25	Ring Terminal, #10, Wire Range – 16 to 14 Gauge
22-00120-07P25	Ring Terminal, 5/16, Wire Range – 16 to 14 Gauge
22-00121-07P25	Ring Terminal, #10, Wire Range – 22 to 16 Gauge
22-01139-04P25	Ring Terminal, 3/8, Wire Range – 16 to 14 Gauge
22-01141-01P25	Spade Terminal, 1/4 x 5/16, Wire Range – 16 to 14 Gauge
22-00595-01P25	Spade Terminal, 3/8, Wire Range – 12 to 10 Gauge
22-01106-00F25	Spiral Wrap, 1/4 Diameter x 25 ft lg
22-01107-00F25	Spiral Wrap, 1/2 Diameter x 25 ft lg
66U1-3803P10	Tube, Heat Shrink, 1/4 ID x 2-1/8 lg
44-01043-05P25	Ty-Raps, 5-1/2 inches lg
44-01043-07P25	Ty-Raps, 11.00 inches lg
22-50007 Series	Wire Markers

## 2. TOOLS

07-00013	Temperature Tester ( <b>Simpson Meter</b> )
07-00013-01	Temperature Test Lead ( <b>15 Foot</b> )
07-00013-02	Temperature Test Lead ( <b>50 Foot</b> )
07-00013-03	Adapter, Males (Both Ends) ( <b>Use with Temperature Tester</b> )
07-00015	Case, Carrying ( <b>Used with 07-00013</b> )
07-00219	Wrench, Compressor Sight Glass
07-00221	Inspection Light with Mirror
07-00228	Volt-Ohmmeter, Digital
07-00229	Amprobe Clamp ( <b>Used with 07-00228</b> )
07-00237	Gauge Manifold Set
07-00243	Volt-Ohmmeter, Digital ( <b>Fluke</b> )
07-00254-00	Pin Extender, Plug Connector
07-00263-00	Pliers, Crimping (Used for compressor terminal block replacement)
07-00264-00	Grip, Wire Vise (Used for compressor terminal block replacement)
07-00268-00	Crimper, Micro Contact Pins

3. REFRIGERATION UNIT ASSEMBLY

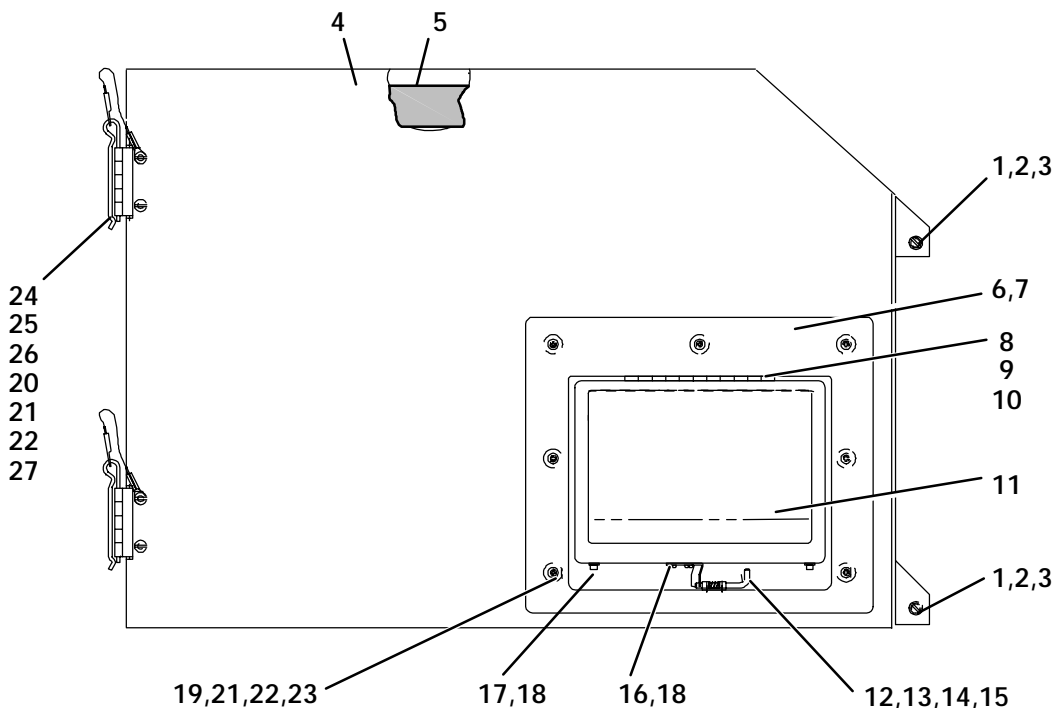
3.1 REFRIGERATION UNIT -- FRONT



ITEM	PART NO.	DESCRIPTION	QTY
<b>3.1 REFRIGERATION UNIT -- FRONT</b>			
1	–	Panel, Access & Evaporator Fan Motor – Refer to Section 3.10	–
2	–	Labels and Decals – Refer to Section 3.21	–
3	66U1-8662	Cap & Chain <b>69NT20-274-1</b>	1
4	–	Valve, Thermostatic Expansion (Location) – Refer to Section 3.15	1
5	–	Box, Control – Refer to Sections 3.2 to 3.7	–
6	69NT35-8113	Handle (Optional)	2
7	69NT40-657	Handle, Hinged (Optional)	1
8	–	Coil, Condenser – Refer to Section 3.8	–
9	–	Receiver, Water-Cooled Condenser – Refer to Section 3.9	–
10	–	Gauge, Pressures – Refer to Section 3.18	1
11	–	Compressor – Refer to Section 3.18 or 5.	1
12	58-01213-00	Plug, Hole, 1/4	A/R
13	58-01214-00	Plug, Hole, 3/8	A/R
14	–	Cable, Power – Refer to Section 3.20	1
15	–	Plug, Power – Refer to Section 3.20	1
16	69NT35-3104-1	Guard, Compressor	1
17	PL	Capscrew, 1/4-20 x 1-1/2 lg – SST	4
18	PL	Locknut, 1/4-20 – SST	3
19	PL	Washer, Flat, 1/4 – SST	A/R
20	58-50013-02	Washer, Mylar, 1/4 ID x 3/4 OD	A/R
21	–	Connector, Interrogator – Refer to Section 4.1	–
22	–	Cover, Makeup Air – Refer to Section 3.19	1
23	–	Motor, Condenser Fan – Refer to Section 3.8	–
24	–	Recording Thermometer (Optional) – Refer to Sections 3.13 or 3.14	1
25	69NT42-544	Cover, Blank (Location) (For Unit without a Recording Thermometer)	1
NS	69NT35-8734-1	Cable Assembly, Rear (Transfresh) (NSI)	1
NS	69NT35-8734-3	Cable, Power – A2C (Transfresh) (NSI)	1
NS	69NT35-8734-4	Cable Assembly, A3C (Transfresh) (NSI)	1
NS	69NT35-8734-5	Hose Assembly, Air (Transfresh) (NSI)	1
NS	69NT35-8734-6	Fuse Assembly, In-line (Transfresh) (NSI)	1

ITEM	PART NO.	DESCRIPTION	QTY
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### 3.2 CONTROL BOX DOOR

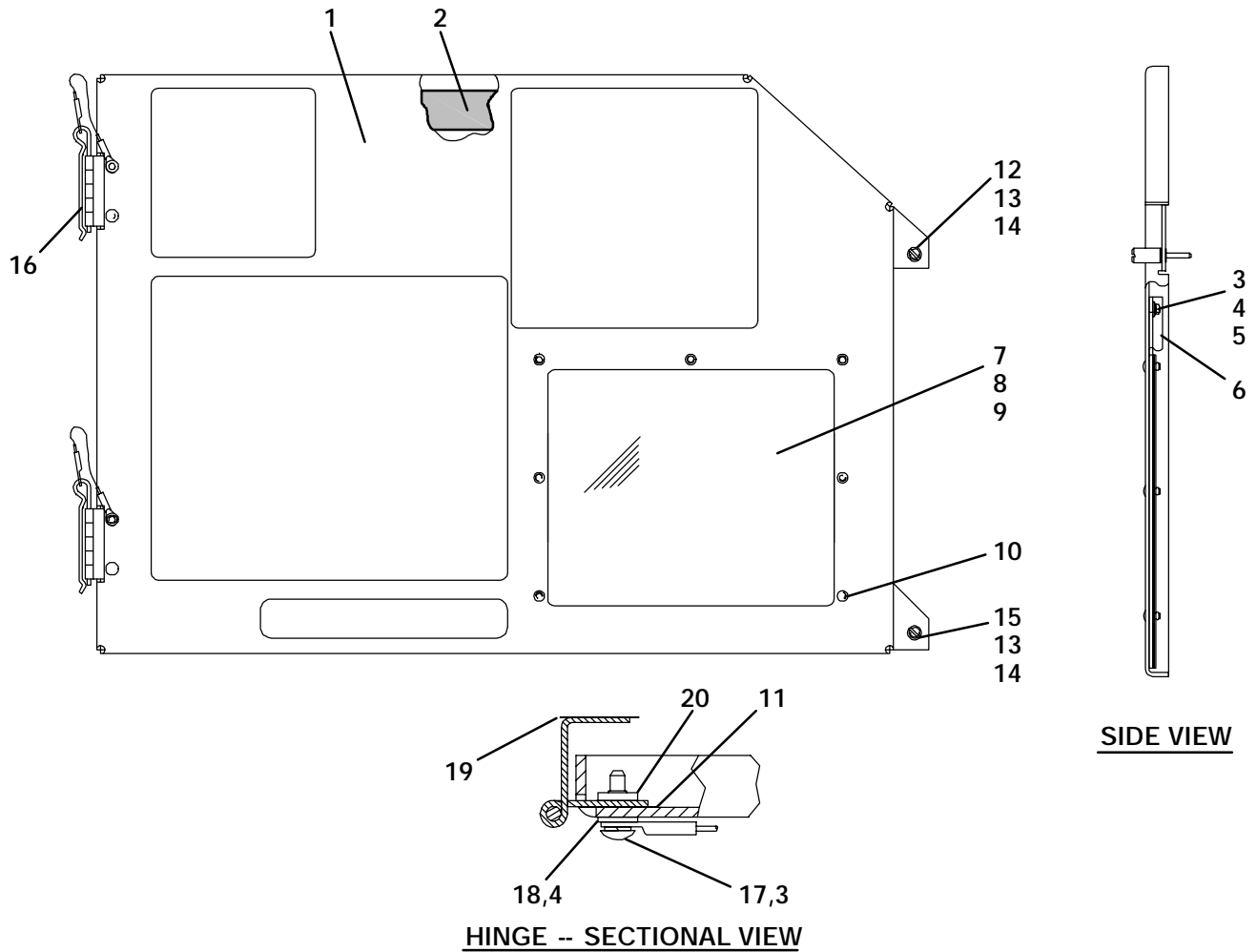


1	66U1-6811-11	Screw, Retaining	2
2	34-01226-00	Washer, Retaining	2
3	58-50013-03	Washer, Mylar	2
4	69NT42-414-5	Door Assembly – Includes:	1
4	69NT42-414-8	Door Assembly Locking <b>69NT40-454, -2, -3</b> – Includes:	1
5	42-00189-00	Gasket	1
6	69NT42-684	Door Assembly (Display) – Includes:	1
7	NSS	Bezel	1
8	44-00309-00	Hinge with Spring	1
9	66U1-6832-1	Rivet, Blind, 5/16 Diameter, Grip Range – 1/8-1/4 (NSI)	6
10	66U1-9132-1	Washer, Plain – Special	3
11	69NT42-674	Door Assembly (Display) – Includes:	1
NS	69NT35-9613	Gasket	1
12	44-01125-00	Latch	1
13	PL	Screw, Pan Head, #6-32 X 1/2 LG – SST	2
14	PL	Washer, Flat, #6 – SST	2
15	PL	Locknut, #6-32 – SST	2
16	69NT35-5732	Strike	1
17	PL	Washer, Flat, #8 – SST	2
18	PL	Locknut, #8-32 – SST	4
19	42-00201-00	Gasket (Display Bezel)	1
20	PL	Washer, Lock, #10 – SST	4
21	PL	Screw, #10-24 x 3/4 lg – SST	A/R
22	PL	Washer, Flat, #10 – SST	A/R
23	PL	Locknut, #10-24 – SST	7
NS	58-00971-00	Pocket (Inside Door)	1
24	44-01116-00	Hinge (Used on Door Assembly 69NT42-414-8)	2
24	44-00300-00	Hinge Assembly (Used on Door Assembly 69NT42-414-5) (NSI) – Includes:	2
NS	44-00300-01	Hinge, Half	1
NS	44-00300-02	Hinge, Half	1
NS	44-00300-03	Pin Assembly, with Tether	1
25	34-01167-01	Retainer	2
26	34-06053-05	Washer, Mylar	4
27	58-04101-00	Protector, Mylar (Hinge)	2



ITEM	PART NO.	DESCRIPTION	QTY
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3.3 CONTROL BOX DOOR -- 69NT40-444-15



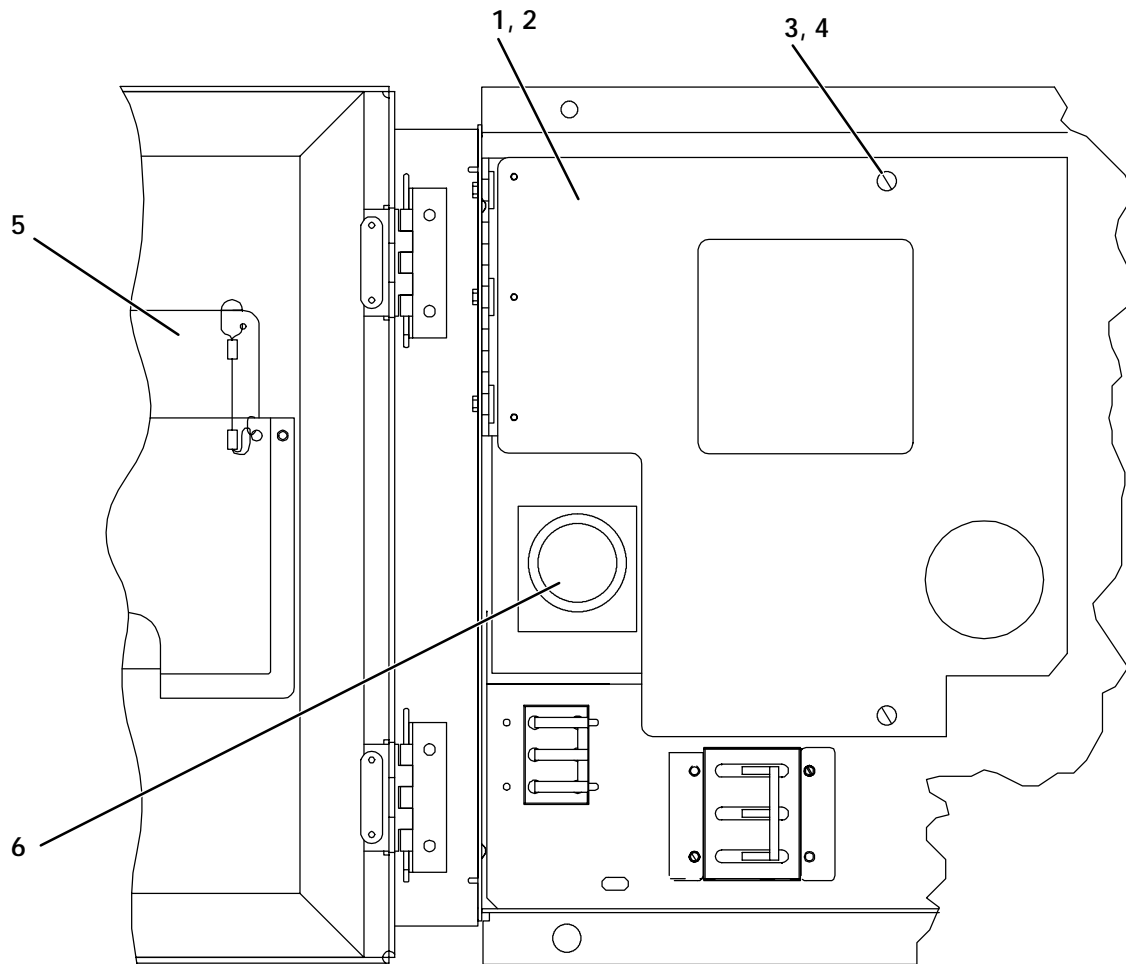
**SIDE VIEW**

**HINGE -- SECTIONAL VIEW**

1	69NT42-414-16	Door Assembly – Includes:	1
2	42-00189-01	Gasket, Door	1
3	66U1-5331-3	Washer, Lock, #10 – SST (NSI)	47
4	66U1-5321-8	Washer, Flat, #10 – SST (NSI)	7
5	34-00665-09	Locknut, #10-32 – SST (NSI)	3
6	58-00971-00	Pocket, Schematic and Diagram (Inside Door)	1
7	58-04123-00	Window, Lexan, 10.48 x 12.62 x .125 thick (NSI)	1
8	42-00262-00	Gasket (Used between window and backup plate)	1
9	69NT35-1927	Plate, Backup, 5/8 thick – Aluminium (NSI)	1
10	34-00774-04	Rivet, Blind, 3/16 Diameter, Grip Range – 1/4-5/8 (NSI)	7
11	58-04101-00	Protector, Mylar, Hinge (Used between hinge and door)	2
12	66U1-6811-11	Screw, Retaining	1
13	34-01226-00	Washer, Retaining	2
14	58-50013-02	Washer, Mylar	2
15	66U1-6811-10	Screw, Retaining	1
16	44-00300-00	Hinge Assembly (NSI) – Includes:	2
NS	44-00300-01	Hinge, Half	1
NS	44-00300-02	Hinge, Half	1
NS	44-00300-03	Pin Assembly, w/Tether	1
17	66U1-2403-1	Screw, #10-24 x 3/4 lg – SST (NSI)	4
18	34-06053-05	Washer, Mylar	4
19	58-04101-01	Protector, Mylar, Hinge (Used between hinge and unit frame) (NSI)	2
20	34-01167-01	Retaining, Nut	2

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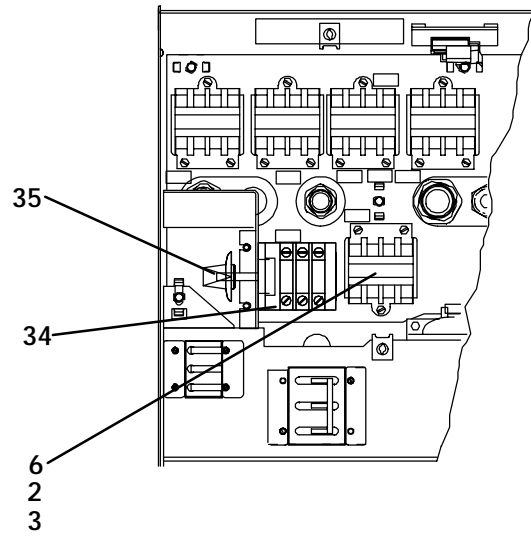
3.4 CONTROL BOX



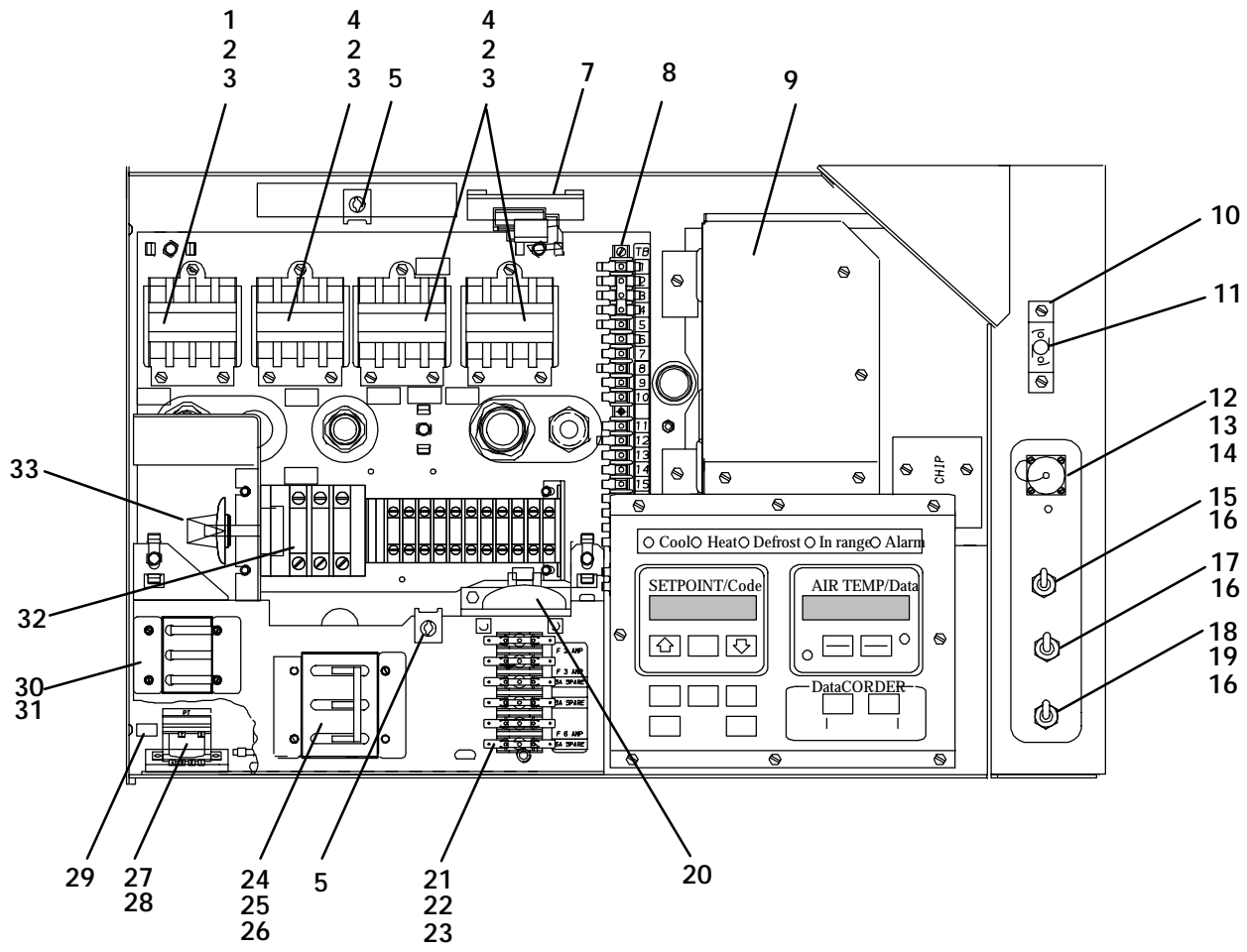
ITEM	PART NO.	DESCRIPTION	QTY
<b>3.4 CONTROL BOX</b>			
1	69NT40-907	Shield, High Voltage – Includes:	1
1	69NT40-907-1	Shield, High Voltage <b>69NT40-444-15</b> – Includes:	1
2	44-00297-00	Hinge	1
3	66U1-3442-2	Stud, 1/4 Turn	2
4	66U1-9212-1	Retainer	2
5	69NT20-373-91	Plate, Schematic & Diagram (NSI) – <b>69NT40-444, -2</b>	1
5	69NT20-373-92	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-1</b>	1
5	69NT20-373-93	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-4</b>	1
5	69NT20-373-95	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-3</b>	1
5	69NT20-373-94	Plate, Schematic & Diagram (NSI) – <b>69NT40-454</b>	1
5	69NT20-373-97	Plate, Schematic & Diagram (NSI) – <b>69NT20-274</b>	1
5	69NT20-373-96	Plate, Schematic & Diagram (NSI) – <b>69NT20-274-1</b>	1
5	69NT20-373-101	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-6</b>	1
5	69NT20-373-104	Plate, Schematic & Diagram (NSI) – <b>69NT40-454-1</b>	1
5	69NT20-373-105	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-7, -8</b>	1
5	69NT20-373-106	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-9</b>	1
5	69NT20-373-109	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-10</b>	1
5	69NT20-373-110	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-11</b>	1
5	69NT20-373-114	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-12</b>	1
5	69NT20-373-115	Plate, Schematic & Diagram (NSI) – <b>69NT40-454-2, -3</b>	1
5	69NT20-373-118	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-13</b>	1
5	69NT20-373-119	Plate, Schematic & Diagram (NSI) – <b>69NT20-274-2</b>	1
5	69NT20-373-120	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-14</b>	1
5	69NT20-373-122	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-16</b>	1
5	69NT20-373-123	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-15</b>	1
5	69NT20-373-125	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-17</b>	1
5	69NT20-373-138	Plate, Schematic & Diagram (NSI) – <b>69NT20-274-3</b>	1
5	69NT20-373-127	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-18</b>	1
5	69NT20-373-137	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-19</b>	1
5	69NT20-373-133	Plate, Schematic & Diagram (NSI) – <b>69NT40-441-21 &amp; 69NT40-444-21</b>	1
5	69NT20-373-135	Plate, Schematic & Diagram (NSI) – <b>69NT40-444-20, -22, -23 &amp; 69NT40-441-22, -23, -25</b>	1
5	69NT20-373-140	Plate, Schematic & Diagram (NSI) – <b>69NT40-441-24</b>	1
6	66U1-3823	Meter, Hour – Optional	1
6	66U1-3823-1	Meter, Hour (Resettable) – Optional	1

ITEM	PART NO.	DESCRIPTION	QTY
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3.5 CONTROL BOX -- HIGH VOLTAGE SHIELD REMOVED



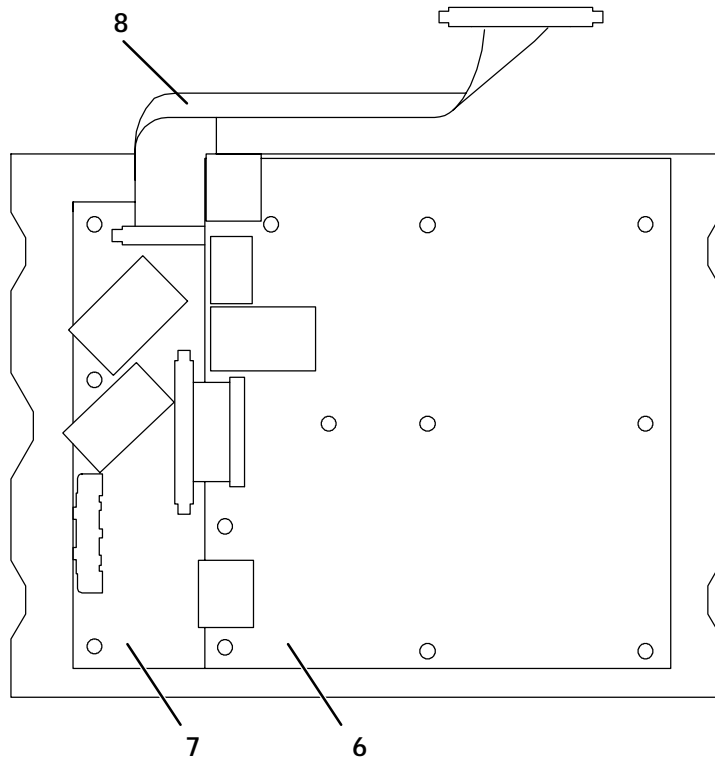
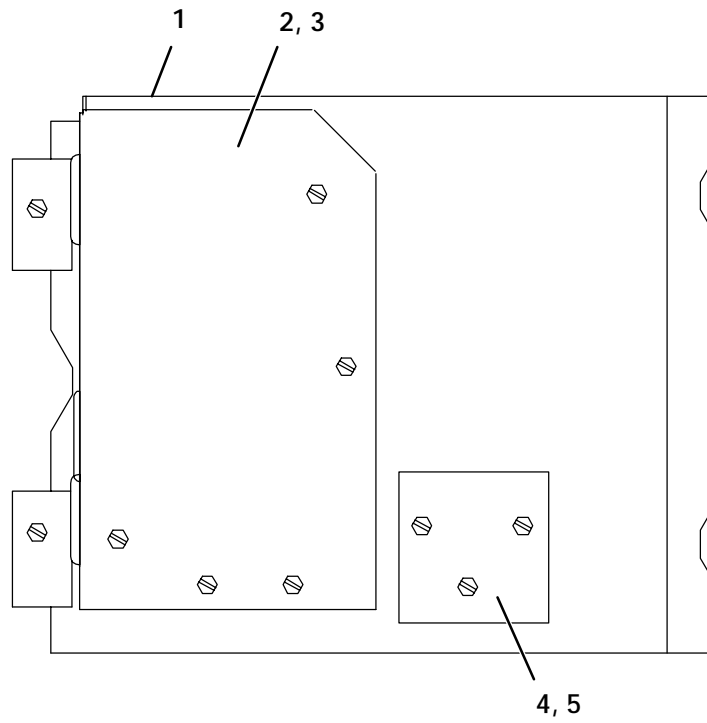
UNITS WITH TWO-SPEED EVAPORATOR MOTOR



UNITS WITH ONE-SPEED EVAPORATOR MOTOR

ITEM	PART NO.	DESCRIPTION	QTY
<b>3.5 CONTROL BOX -- HIGH VOLTAGE SHIELD REMOVED</b>			
1	10-00304-33	Contactora, Compressor ( <b>40 Amp</b> )	1
1	10-00304-00	Contactora, Compressor ( <b>60 Amp</b> )	1
2	PL	Screw, Hex Head, #10-24 x 1/2 lg – SST	A/R
3	PL	Washer, Lock, #10 – SST	A/R
4	10-00304-32	Contactora, Heater, Condenser & Evaporator Fan Motor (EF)	3
5	66U1-9222	Receptacle, Retaining (For High Voltage Shield)	2
6	10-00304-32SV	Contactora, Evaporator Fan Motor (ES) – Includes:	2
NS	10-00304-32	Contactora	1
NS	10-00304-40	Contactora, Auxiliary	1
7	10-50016-00	Kit, Transformer Current	3
8	22-01553-00	Block, Terminal (NSI)	1
9	–	Controller Box, Microprocessor – Refer to Section 3.6 – Includes:	1
10	69NT35-9453	Bracket (Latch/Lock) – Optional (NSI)	1
11	34-01142-01	Receptacle, Retaining (For Control Box Door)	2
12	22-02341-00	Receptacle, Remote Monitoring (Plastic) – Optional	1
13	22-02341-01	Cap and Chain (RM) – Optional	1
14	66U1-6835	Gasket, Receptacle – Optional	1
15	10-00298-01	Switch, Toggle (CFS) – <b>69NT40-454, -2, -3</b>	1
15	10-01130-07	Switch, Toggle (BMS) – <b>69NT40-444-3, -7, -8</b>	1
16	66U1-9752	Seal, Bushing	A/R
17	10-00221	Switch, Toggle (MDS)	1
18	10-00237	Switch, Toggle (On-Off)	1
18	66U1-3683-1	Switch, Toggle – <b>Circuit Breaker 8 Amp</b> (On-Off)	1
19	69NT35-6722	Adapter Strip (Used with Circuit Breaker) (NSI)	1
20	66U1-2353	Transformer, Control	1
21	22-02381-00	Fuse Block	1
22	HY10FJ006	Fuse, 6 amp	2
23	22-00060-21	Fuse, 5 amp (Slow Blow)	4
24	66U1-1723-2	Circuit Breaker – CB-1 460 vac ( <b>69NT20</b> )	1
24	66U1-1723-3	Circuit Breaker – CB-1 460 vac ( <b>69NT40</b> )	1
25	PL	Screw, Pan Head, #6-32 x 7/16 lg – SST	A/R
26	PL	Washer, Lock, #6 – SST	4
27	10-01158-00	Transformer, Potential	1
28	58-01217-00	Spacer	1
29	66CH1-1002-100	Label, Potential Transformer (PT) (NSI)	2
30	66U1-4522-2	Circuit Breaker – 230vac (CB-2) – Optional	1
30	10-00277-00	Circuit Breaker – 250vac 50 amp (CB-2) – <b>69NT40-441-21, -22, -23, -25</b> <b>69NT40-444-18, -19, -20, -22, -23</b>	1
31	58-00974-00	Plate (CB-2) (NSI)	1
32	10-01148-01	Switch, Voltage ( <b>14 Station</b> ) – ( <b>Grey or White Body</b> )	1
33	10-01148-04	Handle ( <b>For P/N 10-01148-01</b> ) – Includes:	1
NS	10-01148-04SV	Tightening Element ( <b>For P/N 10-01148-04</b> )	1
32	10-00331-00	Switch, Voltage ( <b>14 Station</b> ) – ( <b>Green Body</b> ) <b>Starting with S/N 90180838</b> – Includes:	1
33	10-00331-21	Handle ( <b>For P/N 10-00331-00</b> ) – Includes:	1
NS	NSS	Screw, Handle ( <b>For P/N 10-00331-21</b> )	1
34	10-01149-01	Switch, Voltage ( <b>3 Station</b> )	1
35	10-01149-04	Knob ( <b>For 3 Station</b> ) – Includes:	1
NS	10-01149-04SV	Tightening Element	1

3.6 CONTROL BOX -- MICROPROCESSOR CONTROLLER BOX

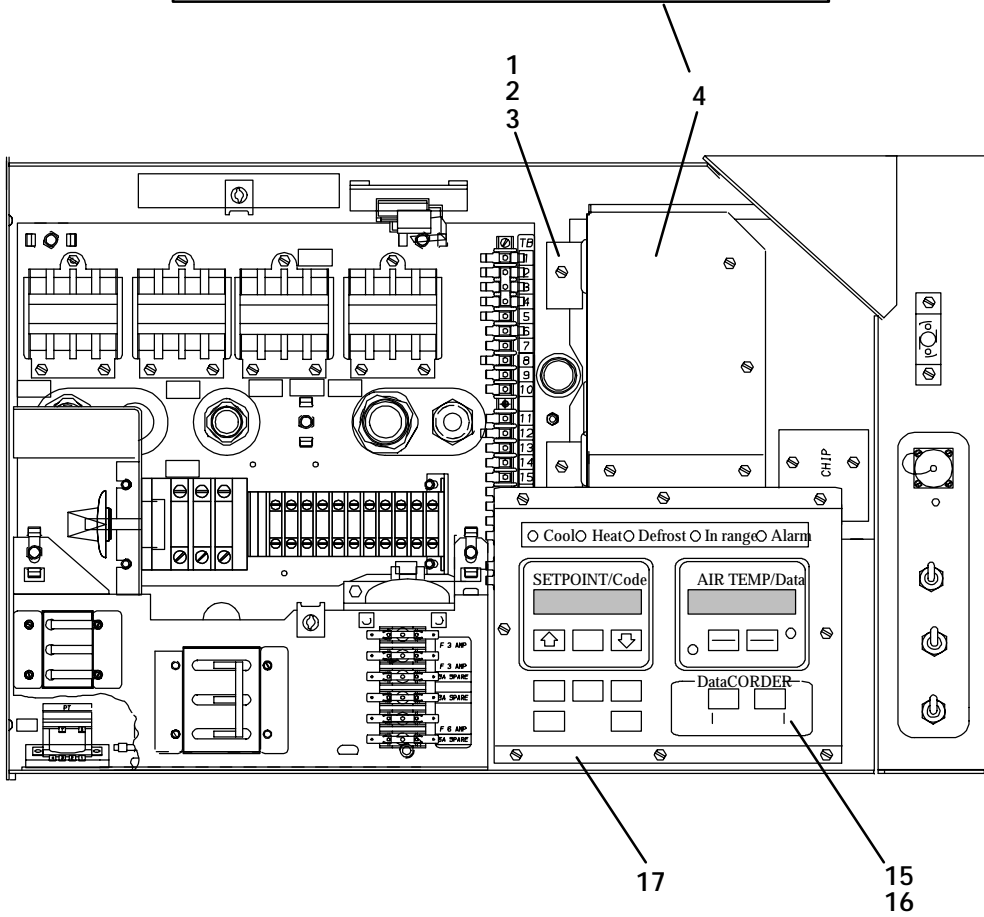
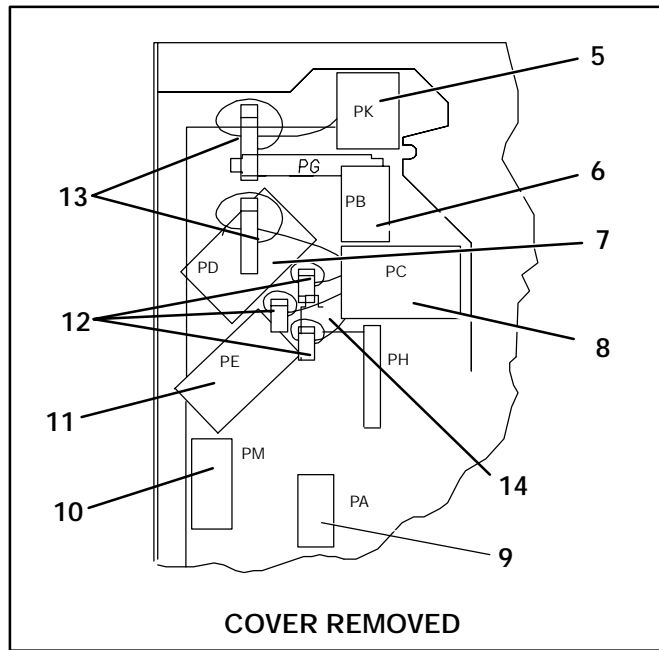


COVERS REMOVED

ITEM	PART NO.	DESCRIPTION	QTY
<b>3.6 CONTROL BOX -- MICROPROCESSOR CONTROLLER BOX</b>			
*1	69NT42-334-50	Controller Box, Micro <b>69NT40-444, -2, -9, -11, -12, -13, -14, -16</b> – Includes:	1
*1	69NT42-334-51	Controller Box, Micro <b>69NT40-444-1</b> – Includes:	1
*1	69NT42-334-52	Controller Box, Micro <b>69NT40-444-4, -6</b> – Includes:	1
*1	69NT42-334-53	Controller Box, Micro <b>69NT40-444-3, -7, -8, &amp; -454, -2, -3</b> – Includes:	1
*1	69NT42-334-55	Controller Box, Micro <b>69NT20-274-1</b> – Includes:	1
*1	69NT42-334-56	Controller Box, Micro <b>69NT20-274, -2</b> – Includes:	1
*1	69NT42-334-60	Controller Box, Micro <b>69NT40-444-10, -21</b> – Includes:	1
*1	69NT42-334-61	Controller Box, Micro <b>69NT40-454-1</b> – Includes:	1
*1	69NT42-334-62	Controller Box, Micro <b>69NT40-444-15</b> – Includes:	1
*1	69NT42-334-63	Controller Box, Micro <b>69NT40-444-17</b> – Includes:	1
*1	69NT42-334-64	Controller Box, Micro <b>69NT40-441-24, &amp; -444-18, -19</b> – Includes:	1
*1	69NT42-334-65	Controller Box, Micro <b>69NT40-444-20, -22, -23 &amp; 69NT40-441-21, -22, -23, -25</b> – Includes:	1
*1	69NT42-334-68	Controller Box, Micro <b>69NT20-274-3</b> – Includes:	1
2	69NT40-897-SV	Cover – Includes:	1
3	69NT35-6372	Gasket	1
4	69NT35-6192-SV	Plate – Includes:	1
5	69NT35-6332	Gasket	1
6	12-00298-00	Board, Logic – NEW	1
6	12-00298-20	Board, Logic – Remanufactured	1
6	12-00298-03	Board, Logic – NEW <b>69NT40-454-1 &amp; 69NT40-444-17</b>	1
6	12-00298-23	Board, Logic – Remanufactured <b>69NT40-454-1 &amp; 69NT40-444-17</b>	1
6	12-00298-04	Board, Logic – NEW <b>69NT20-274-3 &amp; 69NT40-444-18, -19, -20, -22, -23 &amp; 69NT40-441-21, -22, -23, -24, -25</b>	1
6	12-00298-24	Board, Logic – Remanufactured <b>69NT20-274-3 &amp; 69NT40-444-18, -19, -20, -22, -23 &amp; 69NT40-441-21, -22, -23, -24, -25</b>	1
6	12-00297-00	Board, Logic – NEW <b>69NT20-274-1</b>	1
6	12-00297-20	Board, Logic – Remanufactured <b>69NT20-274-1</b>	1
7	12-01123-00SV	Board, I/O – NEW	1
7	12-01123-20SV	Board, I/O – Remanufactured	1
8	12-00271-00	Cable, Ribbon	1
NS	76-50022-00	Kit Gaskets, Cover	1
NS	76-50023-00	Kit Gaskets, Controller Box	1

\* NOTE: Indicates the items that may be order as remanufactured parts by adding RM to the end of the part number. Example 69NT42-334-6RM is a remanufactured 69NT42-334-6.

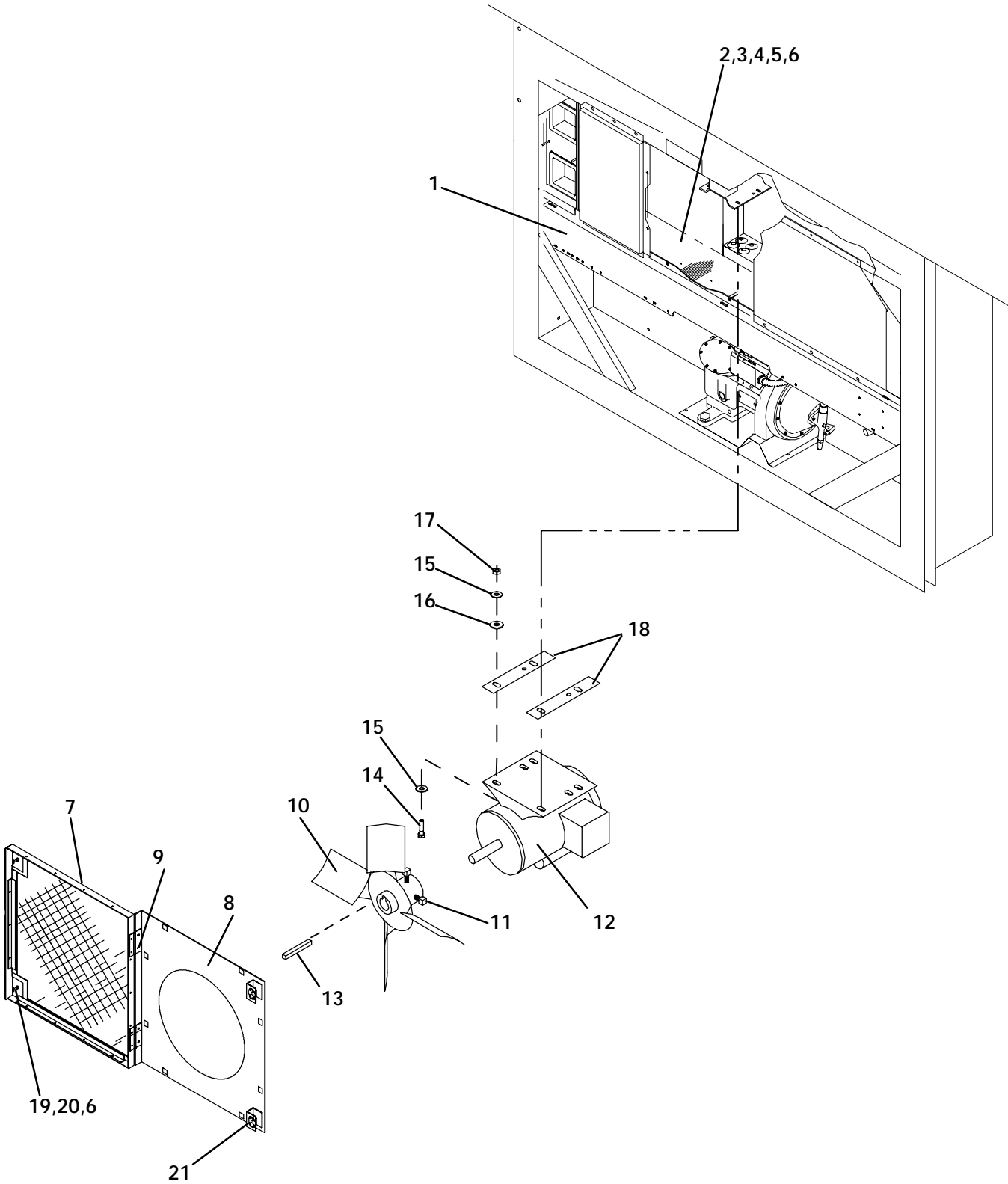
3.7 CONTROL BOX -- MICROPROCESSOR CONTROLLER BOX -- COVER REMOVED





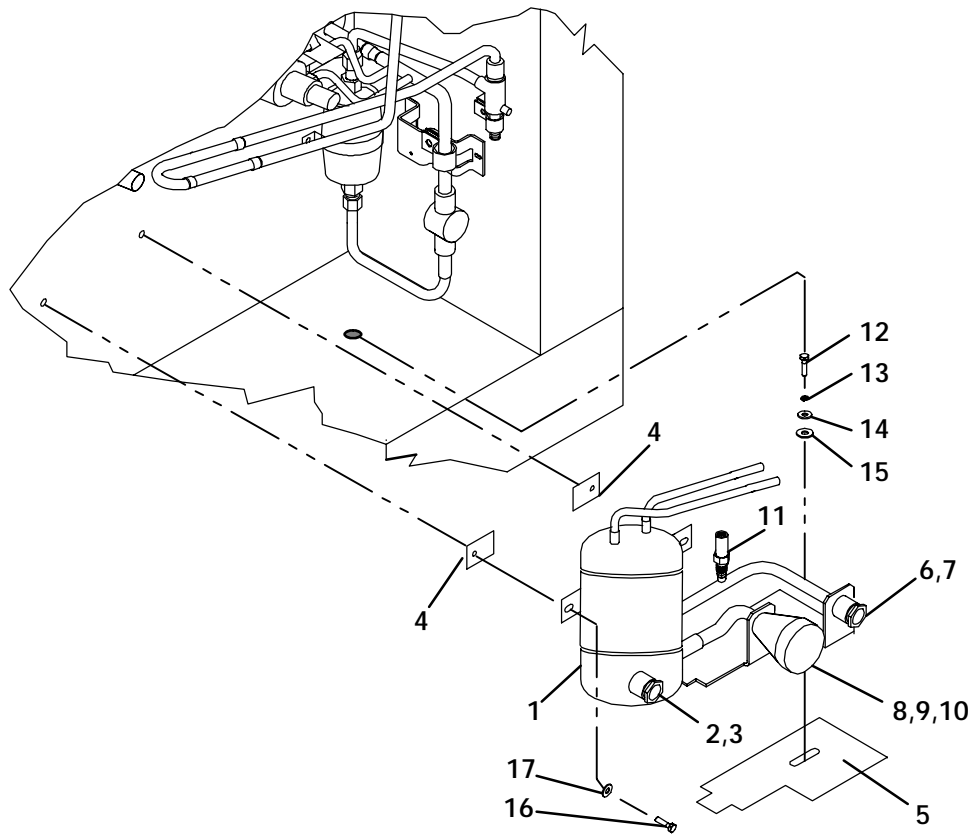
ITEM	PART NO.	DESCRIPTION	QTY
<b>3.7 CONTROL BOX -- MICROPROCESSOR CONTROLLER BOX -- COVER REMOVED</b>			
1	58-00965-00	Spacer, Nylon	2
2	PL	Washer, Flat, 1/4 – SST	2
3	PL	Capscrew, Hex Head, 1/4-20 x 1-1/4 lg – SST	2
4	69NT40-897-SV	Cover – Includes:	1
NS	69NT35-6372	Gasket	1
5	22-02355-03SV	Connector, Plug (PK) – Includes:	1
NS	22-02362-01	Socket, Terminal	9
6	22-02355-00SV	Connector, Plug (PB) – Includes:	1
NS	22-02362-00	Socket, Terminal	6
7	22-02357-00SV	Connector, Plug (PD) – Includes:	1
NS	22-02361-01	Socket, Terminal	24
8	22-02355-01SV	Connector, Plug (PC) – Includes:	1
NS	22-02362-01	Socket, Terminal	24
9	22-02357-02SV	Connector, Plug (PA) – Includes:	1
NS	22-02361-01	Socket, Terminal	9
10	22-02306-00	Connector, Plug (PM) – Includes:	1
NS	22-02362-00	Socket, Terminal	6
11	22-02355-02SV	Connector, Plug (PE) – Includes:	1
NS	22-02362-01	Socket, Terminal	18
11	22-02355-04SV	Connector, Plug (PE) <b>69NT20-274-1</b> – Includes:	1
NS	22-02362-01	Socket, Terminal	12
12	22-02416-01	Suppressor, RFI, 0.31 I.D.	3
13	22-02416-00	Suppressor, RFI, 0.76 I.D.	2
14	22-02416-02	Suppressor, RFI, 0.50 I.D. (Location)	1
15	12-00313-00SV	Display Assembly, Digital – Includes:	1
NS	42-01094-00	Gasket	1
NS	12-01084-01	Keypad	1
NS	12-01116-02	Board, Digital Display – <b>NEW</b> (NSI)	1
NS	12-01116-22	Board, Digital Display – <b>Remanufactured</b> (NSI)	1
NS	12-00313-01	Board, Annunciator	1
NS	69NT40-817	Cover Assembly, Digital Display (Back cover) (NSI)	1
16	12-00271-00	Ribbon Cable Assembly, Digital Display	1
17	44-00298-00	Hinge, Digital Display	1
NS	12-00275-00	Communication Module (RMU) (NSI)	1
NS	22-02396-00	Connector, Plug <b>3 Contacts</b> (RMU) (NSI)	1
NS	22-02396-02	Connector, Plug <b>5 Contacts</b> (RMU) (NSI)	1
NS	22-01556-00	Connector, Plug (RMU) (NSI)	1
NS	69NT40-927-1	Cable Assembly (RMU) (NSI)	1
		<b>69NT40-444-16, -18, -19 &amp; 69NT40-454, -2, -3</b>	1
NS	69NT40-927	Cable Assembly, RMU (NSI)	1

### 3.8 CONDENSER FAN MOTOR AND COIL SECTION

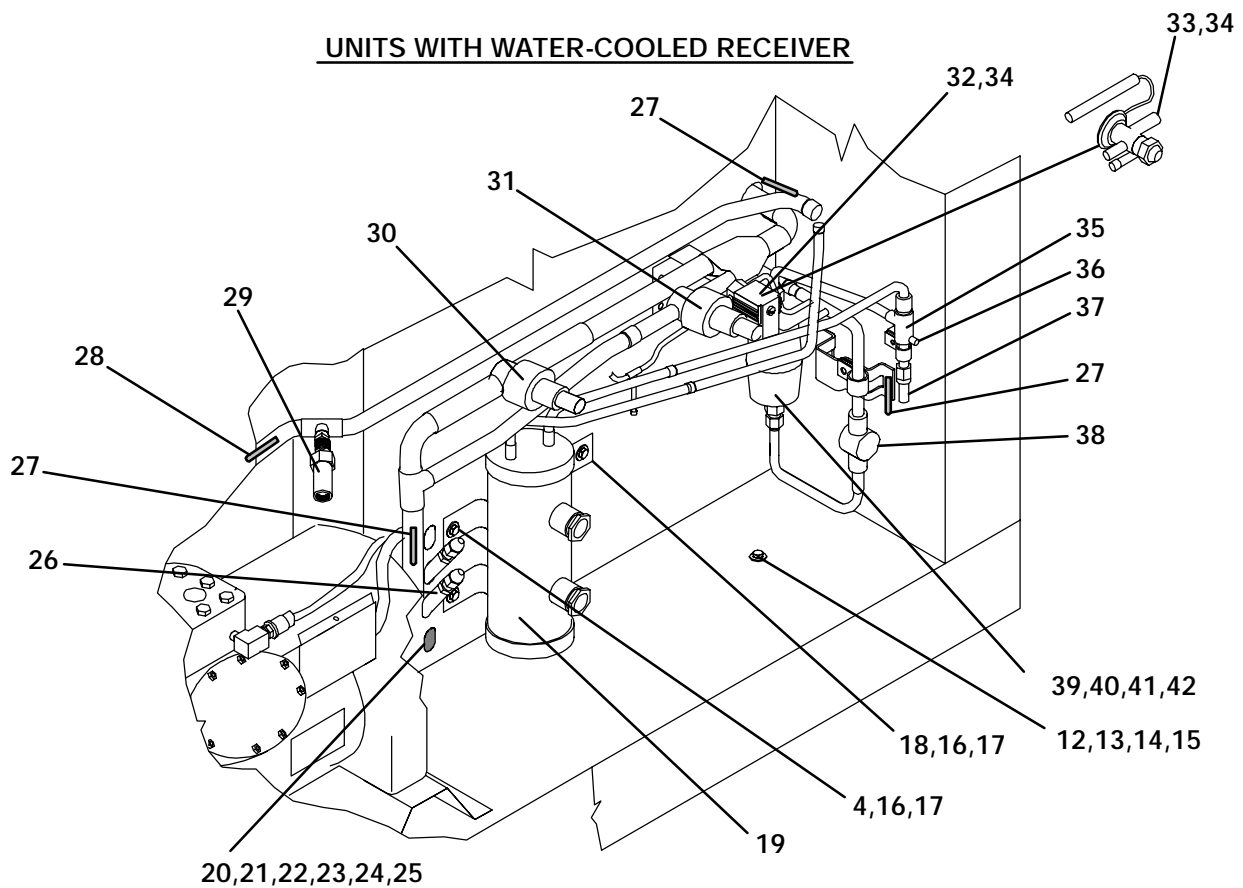


ITEM	PART NO.	DESCRIPTION	QTY
<b>3.8 CONDENSER FAN MOTOR AND COIL SECTION</b>			
1	69NT42-244	Cover, Condenser Coil	1
2	69NT42-108-SV	Coil, Condenser (Copper) – Includes Mylar Washers	1
NS	69NT35-8703	Protector (Apply between frame and coil & coil cover)	4
3	66U1-5361-25	Capscrew, Hex Head, 1/4-20 x 3/4 lg – SST (NSI)	10
4	66U1-5321-7	Washer, Flat, 1/4 – SST	10
5	58-50013-02	Washer, Mylar, 1/4 ID X 3/4 OD	10
6	58-50013-04	Washer, Mylar, 1/4 ID X 1.00 OD	2
NS	34-06053-05	Washer, Mylar, 13/64 ID X 39/64 OD	2
NS	58-04026-00	Protector, Mylar (Apply between coil mounting & frame RH side)	1
NS	58-04026-03	Protector, Mylar (Apply to top side center coil mounting)	1
NS	58-04026-04	Protector, Mylar (Apply between coil mounting & frame, RH & LH sides)	2
NS	58-04026-06	Protector, Mylar (Apply to center between frame & coil & coil cover)	2
NS	58-04026-08	Protector, Mylar (Apply to top side of coil bracket, RH & LH sides)	2
NS	58-04026-09	Protector, Mylar (Apply under coil center bracket attached to frame)	1
NS	58-04026-10	Protector, Mylar (Apply between coil & coil cover, RH & LH sides)	2
NS	58-04026-11	Protector, Mylar (Apply between coil mounting & frame LH side)	1
7	69NT40-847-2	Grille	1
7	69NT35-7944	Grille <b>69NT40-444-4, -6, -14, -15</b>	1
8	69NT40-837	Venturi ( <b>For 16.00 diameter Fan</b> )	1
8	69NT40-837-1	Venturi ( <b>For 17-1/2 diameter Fan</b> )	1
NS	PL	Rivet, Blind, 5/32 Diameter, Grip Range–1/8-5/8– SST	4
9	69NT35-1482	Hinge	2
NS	PL	Rivet, Blind, 5/32 Diameter, Grip Range–1/8-1/4– SST	4
10	38-00142-00	Fan, Condenser ( <b>16.00 diameter</b> ) – SST – Includes:	1
10	38-00511-00	Fan, Condenser ( <b>16.00 diameter</b> ) (Painted Steel)– Includes:	1
10	38-00142-01	Fan, Condenser ( <b>17-1/2 diameter</b> ) – SST – Includes:	1
10	38-00510-00	Fan, Condenser ( <b>17-1/2 diameter</b> ) (Painted Steel)– Includes:	1
10	38-00503-00	Fan, Condenser (Plastic) <b>69NT40-444-8</b> – Includes:	1
11	PL	Set Screw, Square Head, 5/16-24 x 5/8 lg – SST	2
12	54-00516-00	Motor, Condenser Fan	1
12	54-00132-00SV	Motor, Condenser Fan (NLO) – Includes:	1
13	34-00672	Key, 3/16 Square x 1-1/4 lg – SST	1
NS	22-50071-00	Capacitor	1
NS	54-50042-00	End Bell	1
14	66U1-5361	Screw, Hex Head/Washer, 5/16-18 x 1-1/4 lg – SST (NSI)	4
15	34-01181-01	Washer, Flat, 5/16 – SST (NSI)	8
16	58-50013–00	Washer, Mylar	4
17	34-00667-12	Locknut, 5/16-18 – SST (NSI)	4
18	69NT35-6112	Protector, Condenser Fan Motor Mounting	2
19	34-01150-04	Stud, 1/4 Turn	2
20	34-01150-30	Washer, Retaining	2
21	34-01150-31	Receptacle	2

3.9 WATER-COOLED CONDENSER/RECEIVER AND TUBING SECTION



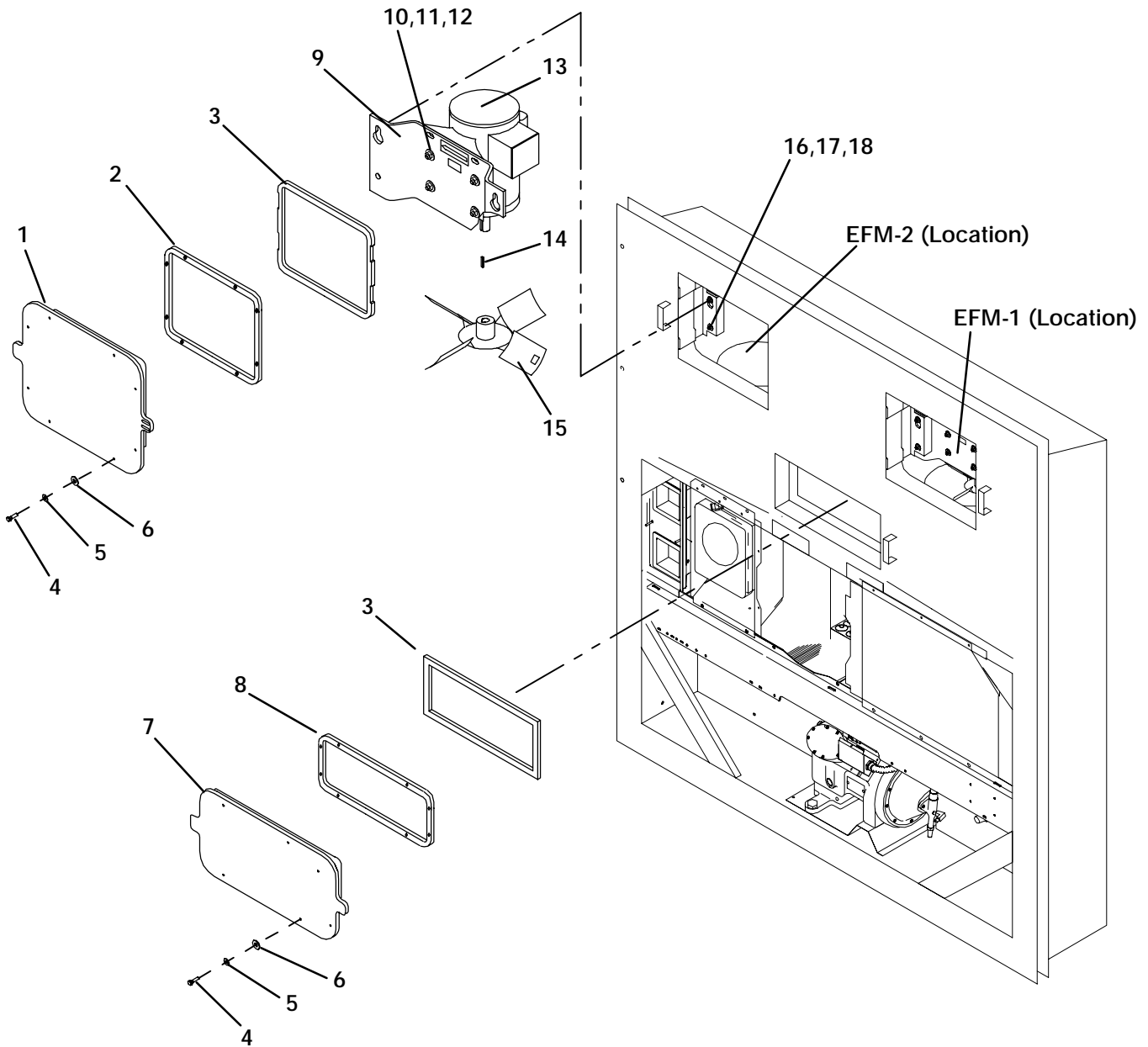
UNITS WITH WATER-COOLED RECEIVER



UNITS WITH RECEIVER

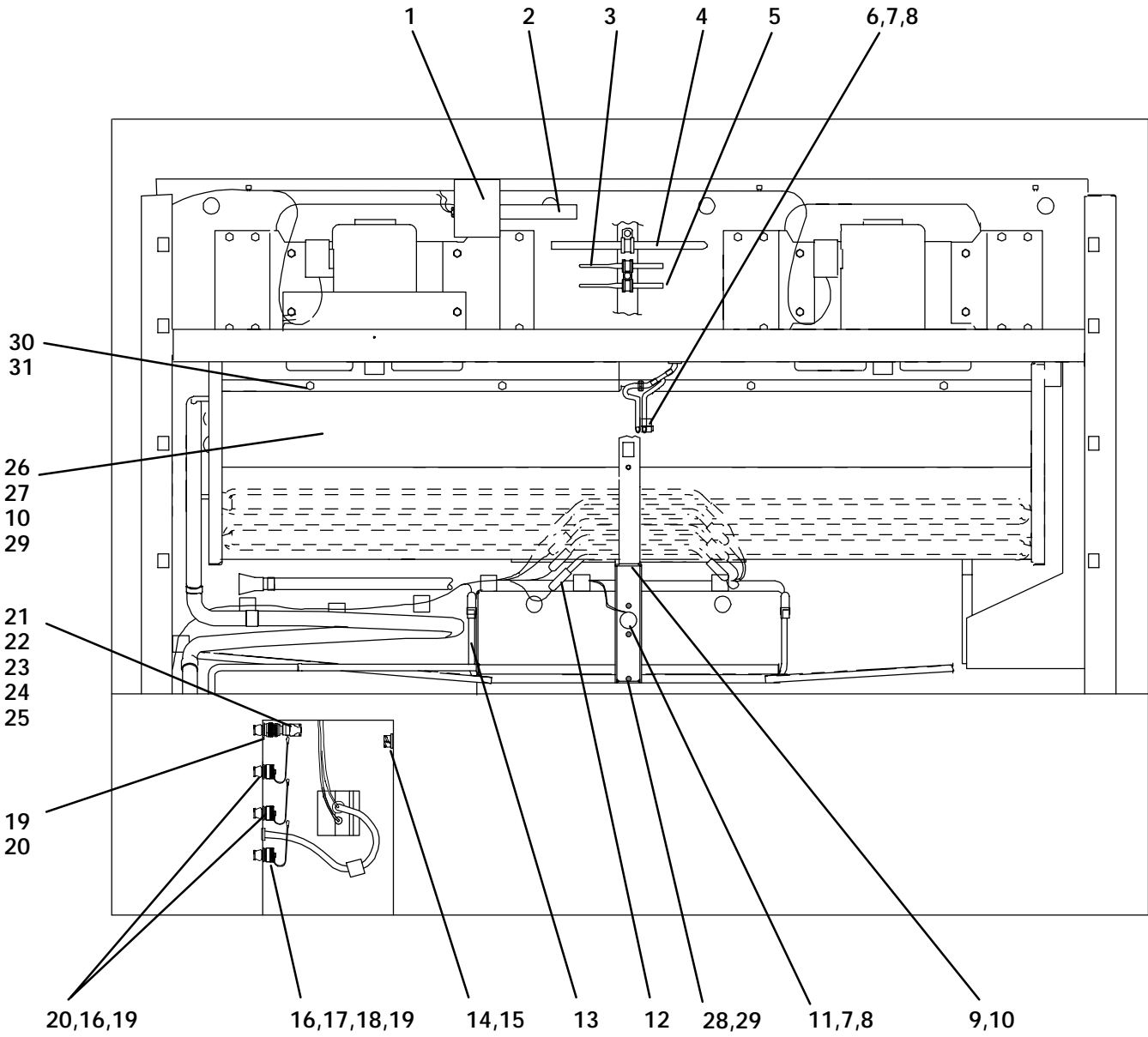
ITEM	PART NO.	DESCRIPTION	QTY
<b>3.9 WATER-COOLED CONDENSER/RECEIVER AND TUBING SECTION</b>			
1	69NT42-128	Condenser/Receiver ( <b>SST</b> ) – Includes: Items 2 & 3	1
NS	69NT42-914	Kit, Condenser/Receiver (Optional) – Includes:	A/R
1	69NT42-914-1	Condenser/Receiver – Includes:	1
2	14-00111	Sight Glass – Includes:	1
3	NSS	Ball, Float	1
4	58-00956-00	Protector, Mylar	2
5	58-00957-00	Protector, Mylar	1
6	66U1-2763-5	Coupling (Water-In)	1
7	66U2-1142	Cap, Dust	1
8	40-01129	Coupling, Self Draining – Includes:	1
9	42-50000	Seal, O-Ring	1
10	66U2-1152	Cap, Dust	1
11	12-01071-01SV	Switch, Water Pressure	1
8	66U1-2763-6	Coupling, Socket <b>69NT40-454, -2, -3</b>	1
12	66U1-5361-7	Bolt, Hex Head, 3/8-16 x 1.00 lg – SST (NSI)	1
13	66U1-5321-5	Washer, Flat, 3/8 – SST (NSI)	1
14	AU11JR241	Washer, Lock, 3/8 – SST	1
15	58-50013-00	Washer, Mylar, 3/8 ID x 1.00 OD	1
16	66U1-5361-25	Capscrew, Hex Head, 1/4-20 x 3/4 lg – SST (NSI)	A/R
17	66U1-5321-7	Washer, Flat, 1/4 – SST	A/R
18	58-04026-05	Protector	1
19	69NT40-937	Receiver (Optional) – Painted Steel	1
19	69NT40-977-1	Receiver (Optional) – SST	1
20	58-00991-00	Cap, Dust (Optional)	1
21	40-00466-00	Coupling, Nitrogen Feed (NSI) (Optional)	1
22	40-00468-00	Reducer (NSI) (Optional)	1
23	69NT35-9283	Bracket, Nitrogen Feed (NSI) (Optional)	1
24	58-00989-01	Protector, Mylar (Optional)	1
25	58-00989-02	Protector, Mylar (Optional)	1
26	–	Sensor Assembly – Refer to Section 6	–
27	12-01104-00	Sensor, Thermistor (AMBS, CPSS & CSAS)	3
28	12-01105-00	Sensor, Thermistor (CPDS)	1
29	14-00195-00	Valve, High Side Pressure Relief -- <b>Used on Units with Provision for R-22</b>	1
NS	14-00195-01	Valve, High Side Pressure Relief -- <b>Used on Units without Provision for R-22</b>	1
NS	14-00195-03	Valve, Pressure Relief -- <b>69NT40-441-25</b>	1
30	–	Valve, Modulating Solenoid – Refer to Section 3.17	1
31	–	Valve, Suction Solenoid – Refer to Section 3.16	1
32	14-01090-01	Valve, Quench ( <b>Solenoid</b> )	1
33	14-00189-00	Valve, Quench ( <b>Thermostatic Expansion</b> )	1
34	14-01091-01	Coil	1
35	66U1-8552	Valve, Liquid Line – Includes:	1
36	40-00086-04	Cap, Flare – 1/4	1
37	17-21002-01	Cap, Valve	1
38	14-00202-00	Indicator, Moisture – Liquid	1
39	66U1-7472-1	Filter-Drier	1
40	69NP20-1031	Clamp – Includes:	1
NS	58-50014-00F16	Gasket (16 ft, Cut to length)	A/R
41	34-06053-03	Screw, Hex Head, 1/4-20 x 3/4 lg (NSI)	2
42	58-50013-04	Washer, Mylar, 1/4 ID x 1.00 OD	2

### 3.10 EVAPORATOR FAN MOTOR AND ACCESS PANEL SECTION



ITEM	PART NO.	DESCRIPTION	QTY
<b>3.10 EVAPORATOR FAN MOTOR AND ACCESS PANEL SECTION</b>			
1	69NT40-908-1	Panel, Access – Includes:	2
1	69NT40-908-4	Panel, Access <b>69NT40-454, -1, -2, -3</b> – Includes:	2
2	42-01082	Gasket	1
3	66U1-8115-F20	Gasket, Access Panel Seal – Adhesive Back, Pressure Sensitive, 4 x 1/2 thick (20 ft, Cut to length)	A/R
4	AA06JA170	Capscrew, Hex Head, 1/4-20 x 1 lg – SST	A/R
5	AN960C416	Washer, Flat, 1/4 – SST	A/R
6	58-50013-03	Washer, Mylar, 1/4 ID X 1/2 OD	24
7	69NT40-898-1	Panel, Access – Includes:	1
7	69NT40-898-4	Panel, Access <b>69NT40-454, -1, -2, -3</b> – Includes:	1
8	42-01081	Gasket	1
9	69NT20-1033	Bracket, Motor Mount ( <b>69NT20</b> )	2
9	69NT35-1173	Bracket, Motor Mount ( <b>69NT40</b> )	2
10	34-00933-12	Capscrew, Hex Head, 5/16-18 x 1-1/2 lg – SST (NSI)	4
11	34-01181-01	Washer, Flat, 5/16 – SST (NSI)	8
12	34-00667-12	Locknut, 5/16-18 – SST (NSI)	4
13	54-00513-00	Motor, Evaporator Fan ( <b>Two-Speed</b> ) – Includes:	2
14	34-00672	Key, 3/16 x 3/16 x 1-1/4 lg – SST	2
NS	22-50071-00	Capacitor	1
13	54-00507-00	Motor, Evaporator Fan ( <b>One-Speed</b> ) – Includes:	2
14	34-00672	Key, 3/16 x 3/16 x 1-1/4 lg – SST	2
NS	22-50072-00	Capacitor	1
15	38-00121-00SV	Fan, Evaporator (EFM-1) ( <b>69NT20</b> ) – Includes:	1
15	38-00126	Fan, Evaporator (EFM-1) ( <b>69NT40</b> ) – Includes:	1
NS	PL	Setscrews, 5/16-24 x 5/8 lg – SST	2
15	38-00122	Fan, Evaporator (EFM-2) ( <b>69NT20</b> ) – Includes:	1
15	38-00125	Fan, Evaporator (EFM-2) ( <b>69NT40</b> ) – Includes:	1
NS	PL	Setscrews, 5/16-24 x 5/8 lg – SST	2
16	66U1-5361-7	Bolt, Hex Head, 3/8-16 x 1.00 lg – SST (NSI)	8
17	66U1-5321-5	Washer, Flat, 3/8 – SST (NSI)	8
18	AU11JR241	Washer, Lock, 3/8 – SST	8

3.11 EVAPORATOR COIL SECTION -- REAR PANELS REMOVED

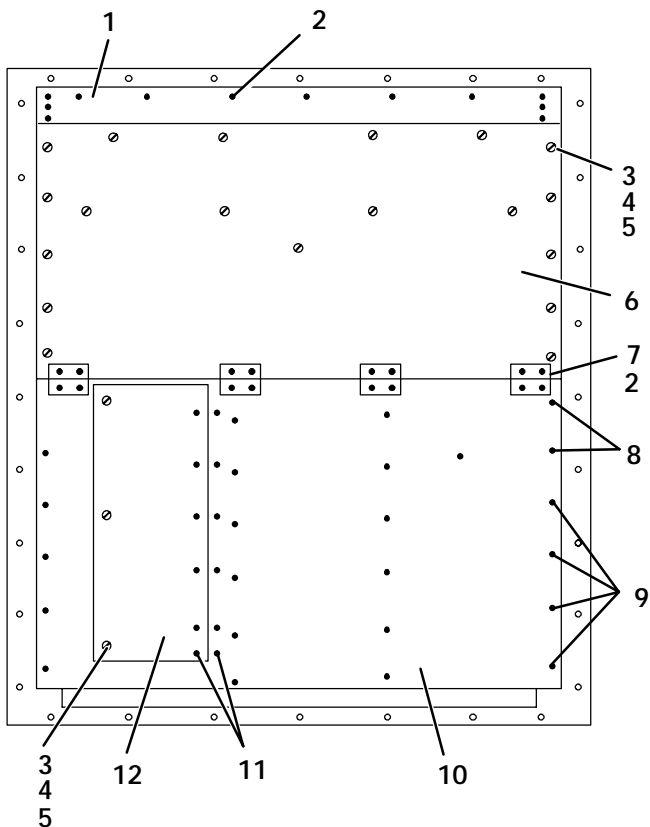




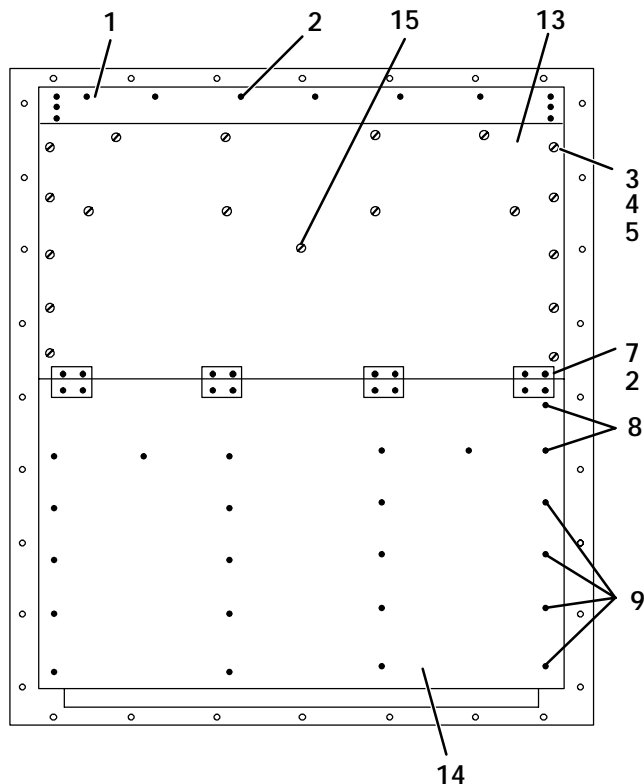
ITEM	PART NO.	DESCRIPTION	QTY
<b>3.11 EVAPORATOR COIL SECTION -- REAR PANELS REMOVED</b>			
1	69NT20-553	Shield Assembly, Rain – Humidistat (NSI) – Optional	1
2	12-01066	Humidistat (HCS) – Optional	1
3	–	Sensor Assembly – Refer to Section 6	–
4	–	Sensor, Thermistor – Refer to Section 3.13	–
5	–	Sensor Assembly – Refer to Section 6	–
6	66U1-6912-8	Thermostat, Defrost (DTT), 75_F (24_C)	1
6	66U1-6912-13	Thermostat, Defrost (DTT), 75_F (24_C) <b>69NT40-454, -2, -3</b>	1
7	PL	Capscrew, Hex Head, #8-32 x 1/2 lg – SST	4
8	PL	Washer, Lock, #8 – SST	4
9	PL	Capscrew, Hex Head, 1/4-20 x 1/2 lg	1
10	PL	Washer, Lock, 1/4 – SST	9
11	66U1-6912-7	Thermostat, High Temperature (HTT), 130_F (54_C)	1
12	66U1-2683-4	Heater	4
13	24-00003	Heater, Drain Pan	1
14	22-02399-00	Dummy Receptacle	1
15	66U1-6835	Gasket	1
16	22-02413-00	Cap and Chain	3
17	22-02412-00	Receptacle Interrogator (ICR)	1
18	58-01256-00	Plug	1
*19	22-02398-02	Socket, Contact ( <b>Silver Plated</b> )	A/R
*19	22-02398-03	Socket, Contact ( <b>Gold Plated</b> )	A/R
20	22-02398-01	Receptacle (PR1, PR2, PR3)	1
–	69NT40-347-1	Sensor Assembly (NSI) – Includes:	–
21	22-02397-00	Connector Assembly (90_) – Includes:	1
22	NSS	Plug	1
23	NSS	Clamp, Cable	1
24	NSS	Bushing	4
*25	22-02397-04	Pin ( <b>Gold Plated</b> )	4
26	69NT21-234-1	Coil, Evaporator ( <b>69NT20</b> ) Does not include thermostats or heaters	1
26	69NT42-968-1	Coil, Evaporator ( <b>69NT40</b> ) Does not include thermostats or heaters	1
26	69NT42-968-5	Coil, Evaporator <b>69NT40-444-15</b> Does not include thermostats or heaters	1
NS	69NT35-6522	Retainer (For Heaters) ( <b>69NT40</b> )	1
NS	69NT20-2032	Retainer (For Heaters) ( <b>69NT20</b> )	1
NS	69NT35-6532	Clip (For Heaters)	4
27	PL	Capscrew, Hex Head, 1/4-20 x 3/4 lg – SST	9
28	PL	Screw, Lag, 1/4 x 2 lg	1
29	PL	Washer, Flat, 1/4	A/R
NS	58-00616-00	Plug, Hole (2 inch diameter) (Located on Fan Deck)	1
30	PL	Capscrew, Hex Head, 1/4-20 x 1-1/4 lg – SST	4
31	69NT35-2692-1	Washer, Fender 1/16 Thk – SST (NSI)	4
* NOTE: Do not mix silver with gold pins and sockets.			

ITEM	PART NO.	DESCRIPTION	QTY
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3.12 EVAPORATOR COIL SECTION -- REAR PANELS ATTACHED



MODELS -- 69NT40-444-4, -6, -15



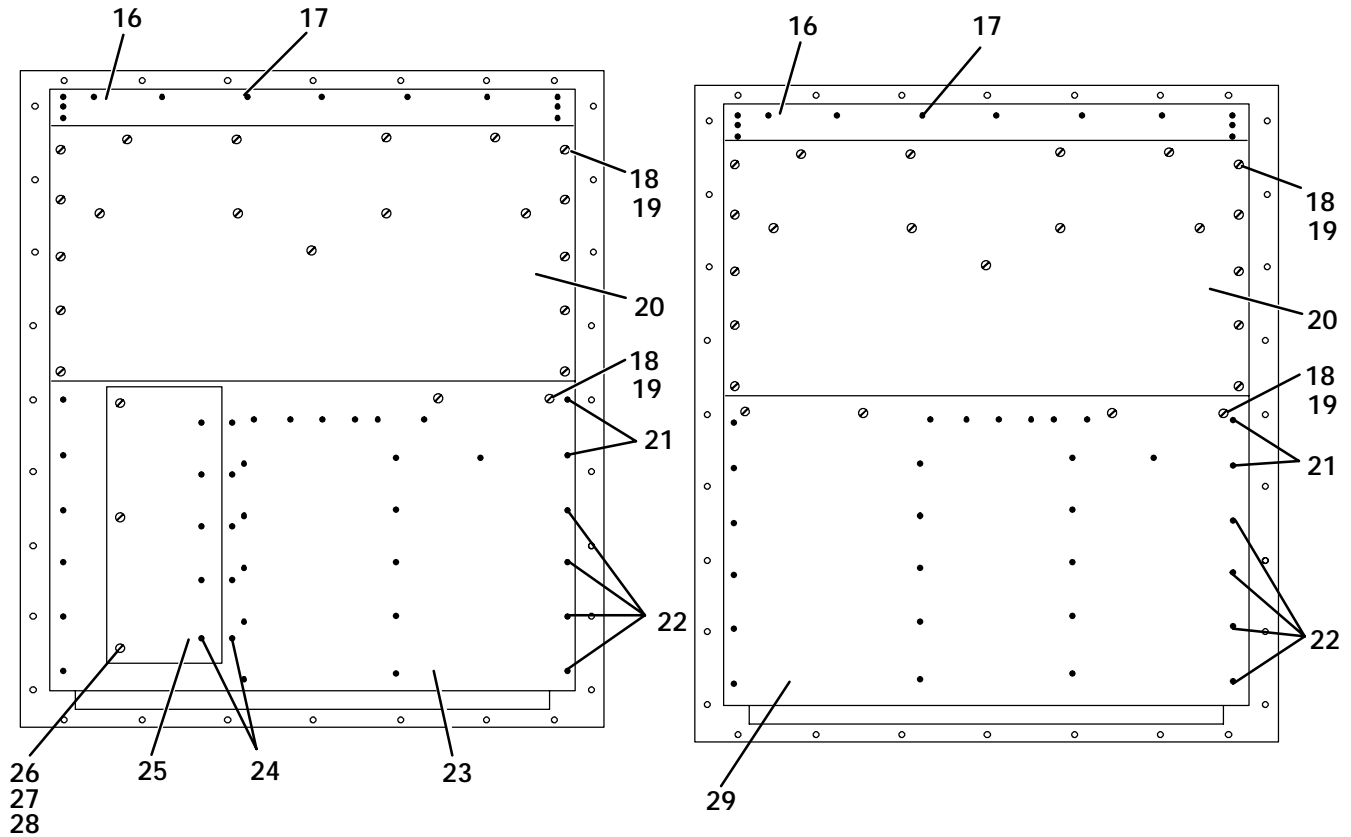
MODEL -- 69NT20-274-1

UNITS WITH HINGED PANELS

1	69NT20-218	Grille, Top (69NT20)	1
1	69NT40-614	Grille, Top (69NT40)	1
2	66U1-6832-1	Rivet, Blind, 5/16 Diameter, Grip Range – 1/8-1/4 (NSI)	13
3	34-01150-04	Stud, 1/4 Turn	15
4	34-01150-30	Washer, Retaining	15
5	34-01150-31	Receptacle, Retaining	15
6	69NT40-634	Panel, Upper – Includes:	1
NS	NSS	Drain Pan, Center	1
NS	NSS	Drain Pan, Side	2
7	69NT35-3282	Hinge	4
8	66U1-6832-6	Rivet, Blind, 1/4 Diameter, Grip Range – 1/8-3/16 (NSI)	A/R
9	66U1-6832-3	Rivet, Blind, 1/4 Diameter, Grip Range – 3/16-1/4 (NSI)	8
10	69NT35-6744	Panel, Bottom	1
11	34-00928-04	Rivet, Blind, 1/8 Diameter, Grip Range – 1/4-5/16 (NSI)	10
12	69NT40-567	Door, Access – Includes:	1
NS	66U1-2803-8	Hinge	1
3	34-01150-04	Stud, 1/4 Turn	3
4	34-01150-30	Washer, Retaining	3
13	69NT40-578-1	Panel, Upper – SST – Includes:	1
NS	NSS	Drain Pan	1
14	69NT35-3494	Panel, Bottom – SST	1
NS	66U1-8075-F25	Gasket (25 ft, Cut to length)	A/R
15	34-01150-06	Stud, 1/4 Turn, 1.03 lg	1

ITEM	PART NO.	DESCRIPTION	QTY
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3.12 EVAPORATOR COIL SECTION -- REAR PANELS ATTACHED (CONTINUED)



MODELS -- 69NT20-274  
69NT40-444, -1, -2, -9, -11, -12, -13, -14, -16

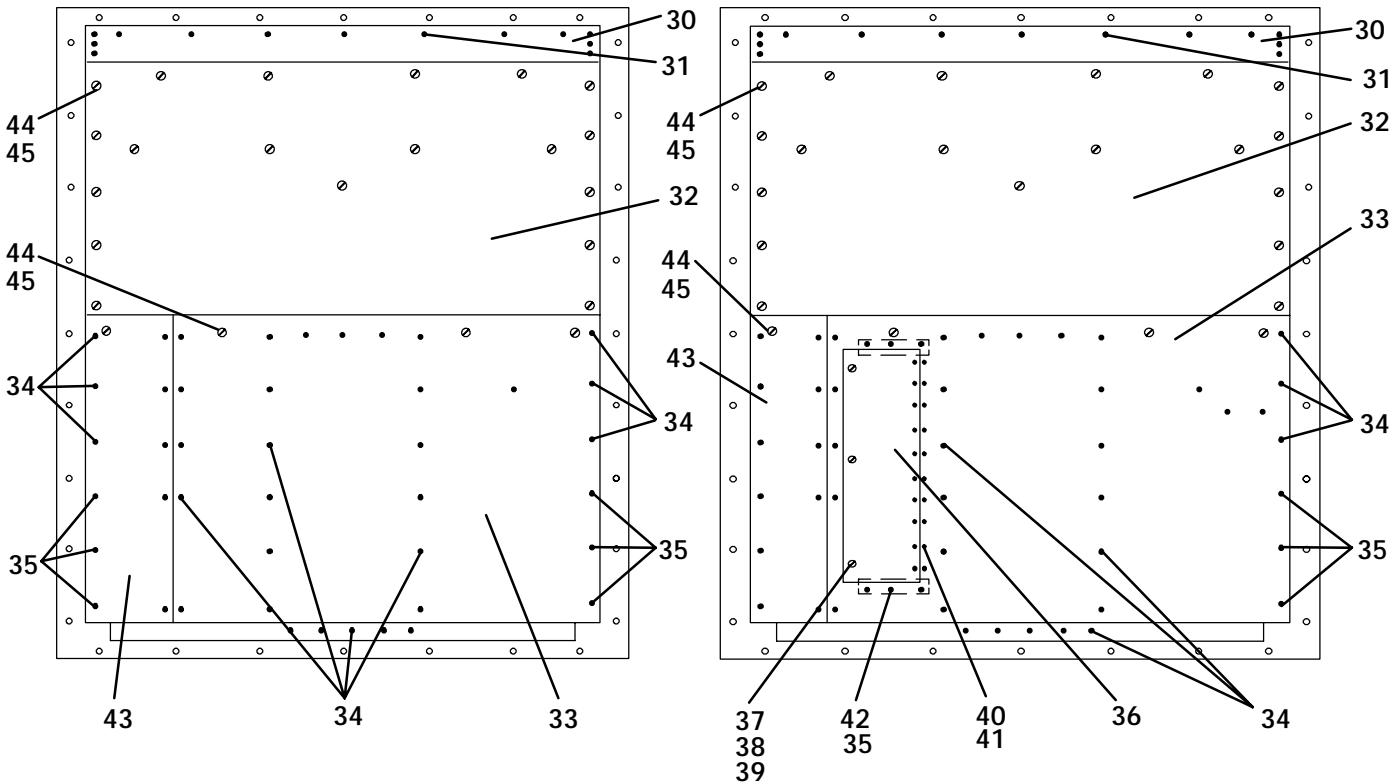
MODELS -- 69NT20-274-2  
69NT40-444-3, -7, -8, -17  
69NT40-454, -2

UNITS WITH BOLTED PANELS

16	69NT20-218	Grille, Top ( <b>69NT20</b> )	1
16	69NT40-614	Grille, Top ( <b>69NT40</b> )	1
17	66U1-6832-1	Rivet, Blind, 5/16 Diameter, Grip Range – 1/8-1/4 (NSI)	13
18	66U1-2403	Screw, Machine, Truss Head, #10-24 x 1/2 lg – SST (NSI)	19
19	69NT35-2692	Washer, Fender, #10 x 1.00 OD – SST (NSI)	19
20	69NT40-624-1	Panel, Upper – Includes:	1
NS	NSS	Drain Pan, Side	2
NS	NSS	Drain Pan, Center	1
21	66U1-6832-6	Rivet, Blind, 5/16 Diameter, Grip Range – 1/8-3/16 (NSI)	A/R
22	66U1-6832-3	Rivet, Blind, 5/16 Diameter, Grip Range – 3/16-1/4 (NSI)	8
23	69NT35-6744	Panel	1
24	34-00928-04	Rivet, Blind, 1/8 Diameter, Grip Range – 1/4-5/16 (NSI)	10
25	69NT40-567	Door, Access – Includes:	1
NS	66U1-2803-8	Hinge	1
26	34-01150-04	Stud, 1/4 Turn	3
27	34-01150-30	Washer, Retaining	3
28	34-01150-31	Receptacle, Retaining	2
29	69NT35-3014	Panel, Lower Back	13
NS	66U1-8075-F25	Gasket (25 ft, Cut to length)	A/R

ITEM	PART NO.	DESCRIPTION	QTY
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3.12 EVAPORATOR COIL SECTION -- REAR PANELS ATTACHED (CONTINUED)



MODELS -- 69NT20-274-3  
69NT40-454-1, -3

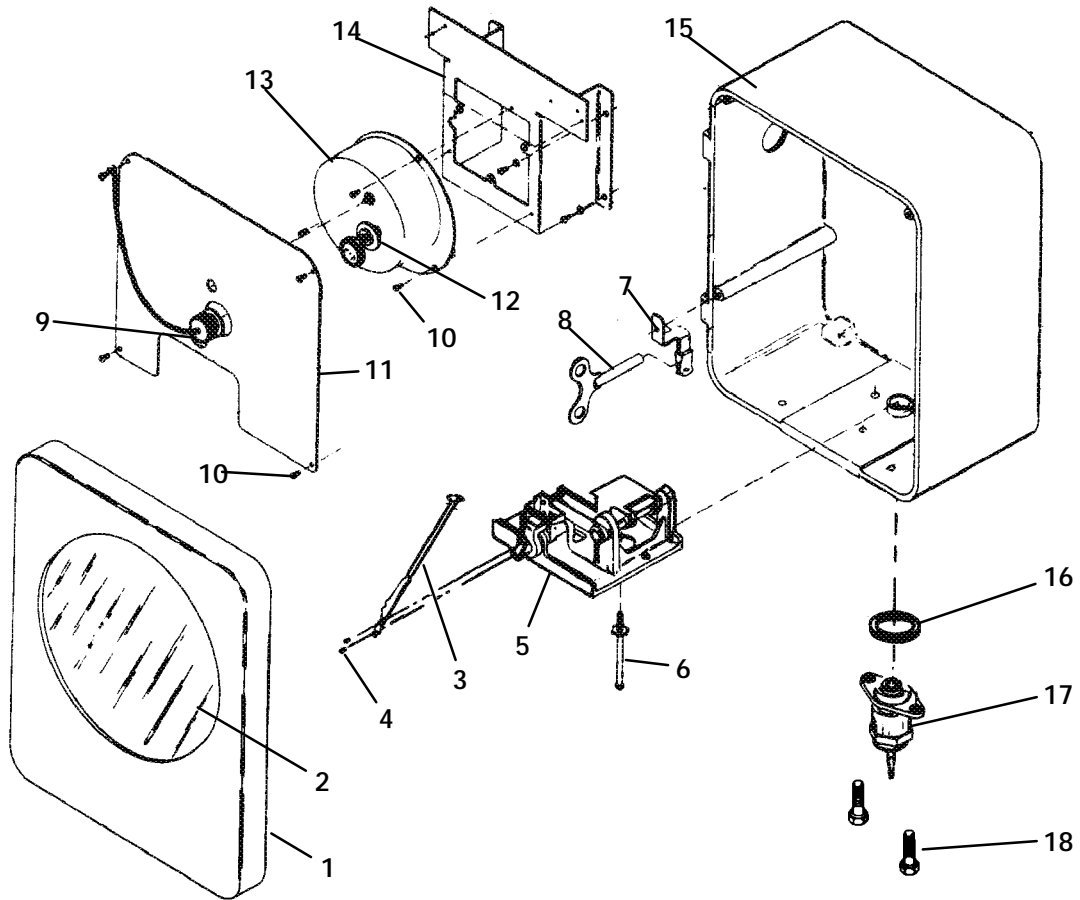
MODELS -- 69NT40-444-10, -18, -19, -20, -21, -22, -23  
& 69NT40-441-21, -22, -23, -24, -25

UNITS WITH BOLTED PANELS

30	69NT20-218	Grille, Top (NT20)	1
30	69NT40-614	Grille, Top (NT40)	1
31	66U1-6832-1	Rivet, Blind, 5/16 Diameter, Grip Range – 1/8-1/4 (NSI)	A/R
	69NT40-624-1	Panel Assembly, Upper – Includes:	1
NS	NSS	Drain Pan, Side	2
NS	NSS	Drain Pan, Center	1
33	69NT35-9744	Panel, Bottom	1
33	69NT35-9744-3	Panel, Bottom 69NT20-274-3 & 69NT40-454-1,-3	1
34	66U1-6832-6	Rivet, Blind, 1/4 Diameter, Grip Range – 1/8-3/16 (NSI)	A/R
35	66U1-6832-3	Rivet, Blind, 1/4 Diameter, Grip Range – 3/16-1/4 (NSI)	A/R
36	69NT40-567	Door, Access – Includes:	1
NS	66U1-2803-8	Hinge	1
37	34-01150-04	Stud, 1/4 Turn	3
38	34-01150-30	Washer, Lock	3
39	34-01150-31	Receptacle, Retaining	3
40	34-00928-04	Rivet, Blind, 1/8 Diameter, Grip Range – 1/4-5/16 – SST (NSI)	20
41	69NT35-3772-3	Spacer, Hinge (NSI)	2
42	69NT35-6692	Plate (NSI)	1
43	69NT35-9744-2	Panel, Bottom, Side (Provision for heat exchanger)	1
44	66U1-2403	Screw, Machine, Truss Head, #10-24 x 1/2 lg – SST (NSI)	19
45	69NT35-2692	Washer, Fender, #10 x 1.00 OD – SST (NSI)	19
NS	66U1-8075-F25	Gasket (25 ft, Cut to length)	A/R

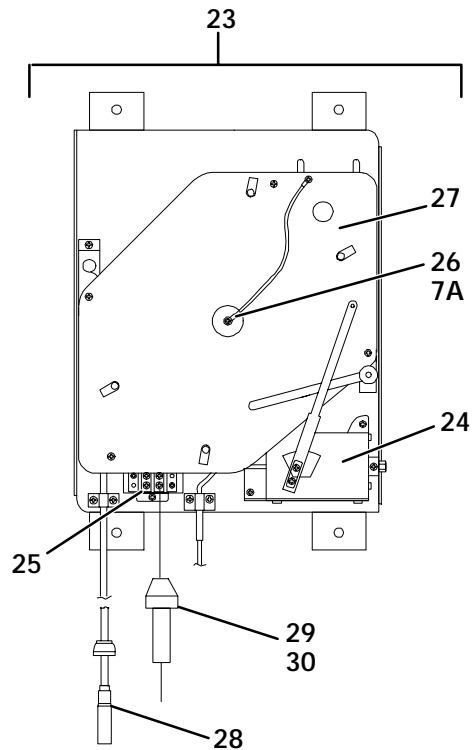
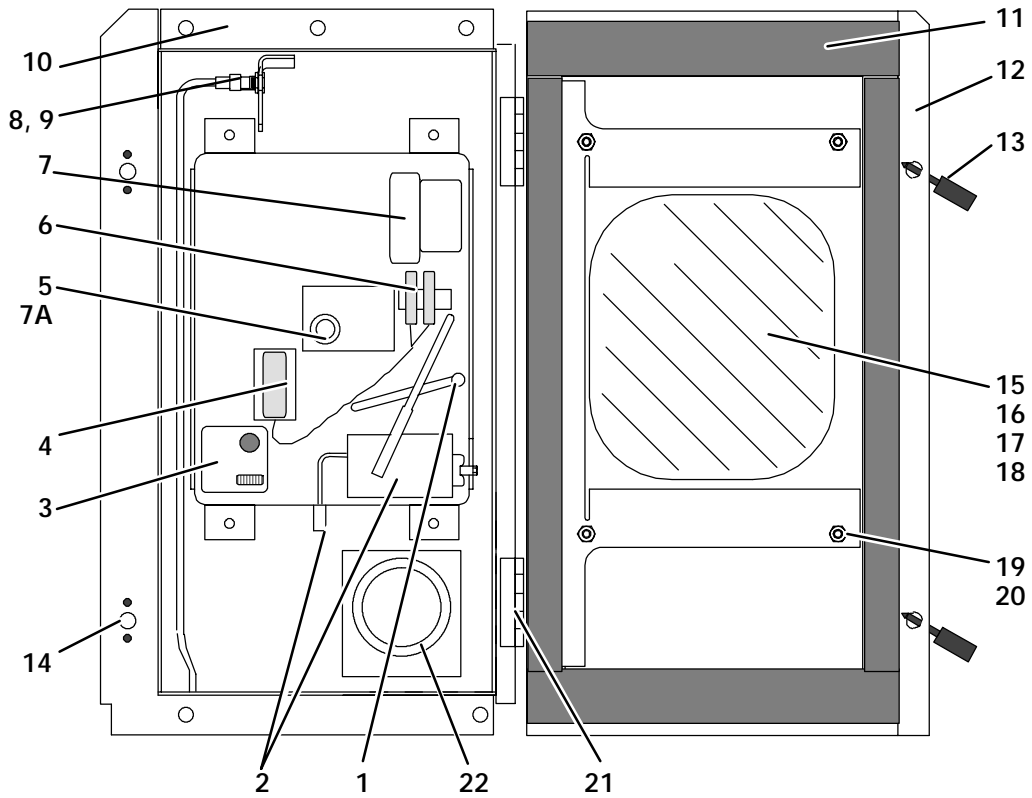
ITEM	PART NO.	DESCRIPTION	QTY
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3.13 RECORDING THERMOMETER (PARTLOW)



-	12-01076-00	Recording Thermometer – Includes:	1
1	09-00265-00	Cover Assembly (Bottom Latch) – Includes:	1
NS	09-00100-01	Seal, Cover – Rubber	1
NS	09-00100-02	Gasket, Cover Glass	1
2	09-00101	Glass, Cover	1
NS	09-00102	Catch Assembly, Cover	2
3	09-00104-05	Kit, Stylus – Includes:	1
4	NSS	Screw, Round Head, #2-56 x 3/16 lg	2
5	09-00147	Mechanism Assembly	1
6	09-00112	Rod, Push (Includes Setscrews)	1
7	09-00115	Clip, Key Mounting	1
8	09-00114	Key, Clock Winding	1
9	09-00119	Nut and Chain, Chart ( <b>Sonceboz Clock</b> )	1
9	09-00180-00	Nut and Chain, Chart ( <b>Gluck Clock</b> )	1
10	PL	Screw, Round Head #6-32 x 5/16	7
11	09-00116	Platen, Chart	1
12	09-00118	Flange, Chart Drive ( <b>Sonceboz</b> )	1
12	09-00180-01	Flange, Chart Drive ( <b>Gluck</b> )	1
13	09-00123	Clock, 31 Day, CCW (Counterclockwise)	1
14	09-00132	Stand, Mounting, Chart Drive (NSI)	1
15	09-00267-00	Case (Top Hinge)	1
16	09-00137	O-Ring, Element Flange	4
17	09-00209	Element, 9 ft lg – Includes:	1
NS	09-00222	Sensor, Thermistor (Accessory 344 and Jack) – 15 ft lg	1
NS	22-02243	Pin (Use with Partlow Thermistor Assembly)	3
18	09-00136	Screw, Flange (NSI)	2
NS	09-00128	Charts _F – 31 Day (Box of 50) (-20_F to +80_F)	A/R
NS	09-00128-01	Charts _C – 31 Day (Box of 50) (-25_C to +25_C)	A/R

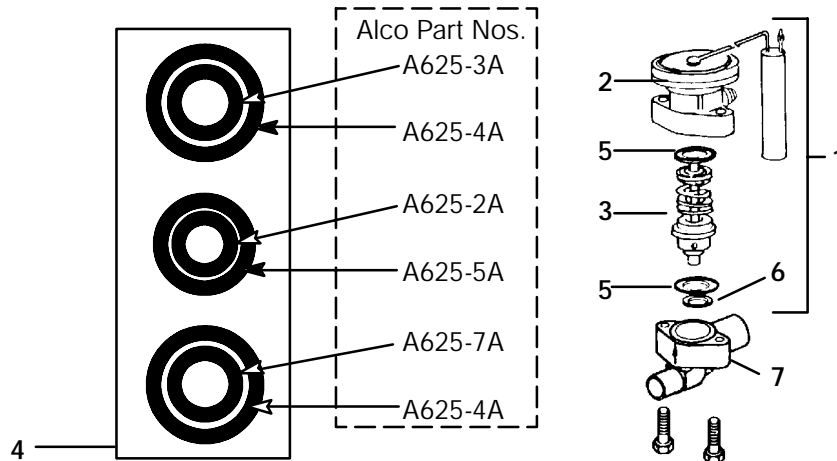
3.14 RECORDING THERMOMETER (SAGINOMIYA)



ITEM	PART NO.	DESCRIPTION	QTY
<b>3.14 RECORDING THERMOMETER (SAGINOMIYA)</b>			
–	12-01094-00	Recording Thermometer – Includes:	1
1	09-00324-00	Stylus, Left Arm	1
2	09-00320-00	Element Assembly (9 ft.) (2.74 M)	1
3	09-00321-00	Indicator, Voltage	1
4	PL	Battery (Mallory R14P/S 1.5 vdc)	1
5	09-00326-00	Shaft, Chart	1
6	09-00329-00	Block, Terminal (NSI)	1
7	09-00322-00	Timer (31 Day)	1
NS	09-00323-00	Plate, Recorder	1
7A	09-00325-00	Nut, Chart (Male)	1
8	69NT40-402-1	Sensor Assembly, Return Temperature (Optional) – Includes:	1
NS	12-01095-00	Sensor, Thermistor	1
9	22-02370-00	Jack, Phono (Optional)	2
10	69NT41-754-1	Box Assembly, Recorder (NSI)	1
11	42-01098-00	Gasket, Door	1
12	69NT41-844	Door Assembly, Recorder Box	1
13	66U1-6811-10	Screw, Retaining	2
NS	34-01226-00	Washer, Retaining	2
14	34-01142-01	Receptacle, Retaining	2
15	PL	Window, Lexan (8.37 x 10 x .12 inches thick) (212 x 254 x 3 mm)	1
16	PL	Gasket, Window	1
17	69NT35-9343	Bracket, Window Mounting (NSI)	1
18	69NT35-5492	Plate, Window Mounting	2
19	PL	Nut, Hex Head, #10-32 – SST	4
20	PL	Washer, Lock, #10 – SST	4
21	69NT40-392	Hinge Assembly	2
22	66U1-3823-1	Meter, Hour (Resettable) – Optional	1
23	12-00281-00	Recording Thermometer <b>69NT40-444-8</b> – Includes:	1
24	09-00338-00	Element Assembly	1
25	09-00339-00	Box, Battery	1
26	09-00340-00	Timer	1
27	09-00341-00	Plate, Recorder	1
NS	09-00342-00	Board, Circuit	1
28	09-00343-00	Sensor, Thermistor	1
29	22-02387-00	Holder, Fuse In-Line <b>69NT40-444-8</b>	1
30	HY10FJ203	Fuse, 3 Amp <b>69NT40-444-8</b>	1
NS	09-00128-01	Charts _C – 31 Day (Box of 50) (–25_C to +25_C)	A/R
NS	09-00128	Charts _F – 31 Day (Box of 50) (–20_F to +80_F)	A/R

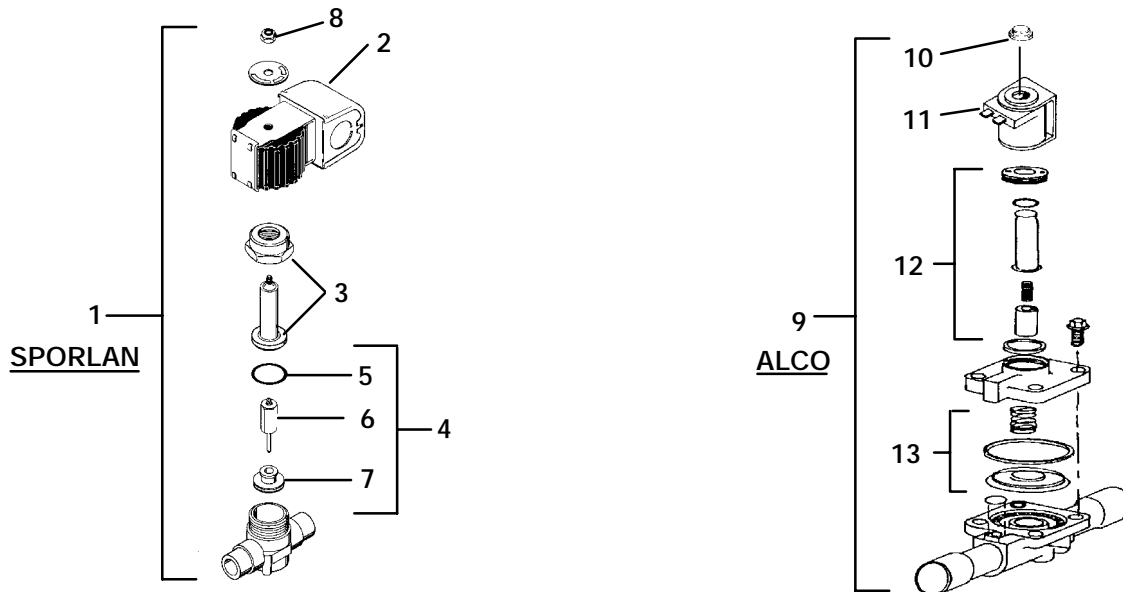
ITEM	PART NO.	DESCRIPTION	QTY
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3.15 THERMOSTATIC EXPANSION VALVE -- Alco



1	14-01104-02	Kit, Repair ( <b>69NT20</b> ) – Includes:	1
1	14-01104-03	Kit, Repair ( <b>69NT40</b> ) – Includes:	1
2	NSS	Power Head Assembly and Gasket, Item 5	1
3	NSS	Cage Assembly and Gasket, Item 6	1
4	66U1-6225	Gasket Set, Universal – Includes:	1
5	NSS	Gasket, Body Flange A625-4A	2
6	NSS	Gasket, Seat – A625-2A	1
7	66U1-1214-13	Flange, Body (NSI)	1

3.16 SUCTION SOLENOID VALVE (69NT40 ONLY)

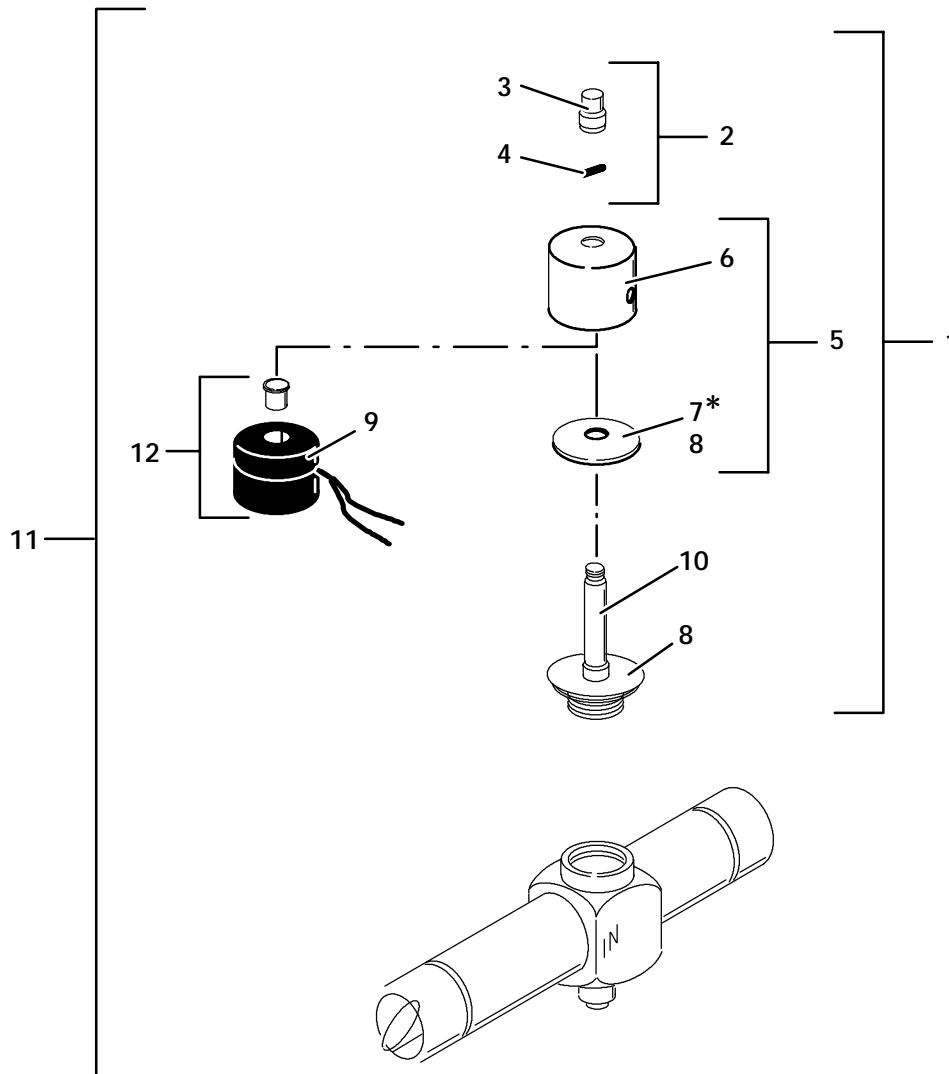


1	14-01083	Solenoid Valve, Suction – Includes:	1
2	14-50010	Coil	1
3	NSS	Tube, Enclosing	1
4	14-50011	Kit, Repair – Includes:	1
5	NSS	Gasket	1
6	NSS	Stem and Plunger Assembly	1
7	NSS	Disc, Seat	1
8	34-50012-00	Screw (Special), Coil Hold Down	1
9	14-00192-00	Solenoid Valve, Suction – Includes:	1
10	17-40408-02	Cap, Snap	1
11	14-50027-00	Coil	1
12	14-50025-00	Kit, Repair	1
13	14-50026-00	Kit, Repair Diaphragm	1



ITEM	PART NO.	DESCRIPTION	QTY
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3.17 MODULATING SOLENOID VALVE

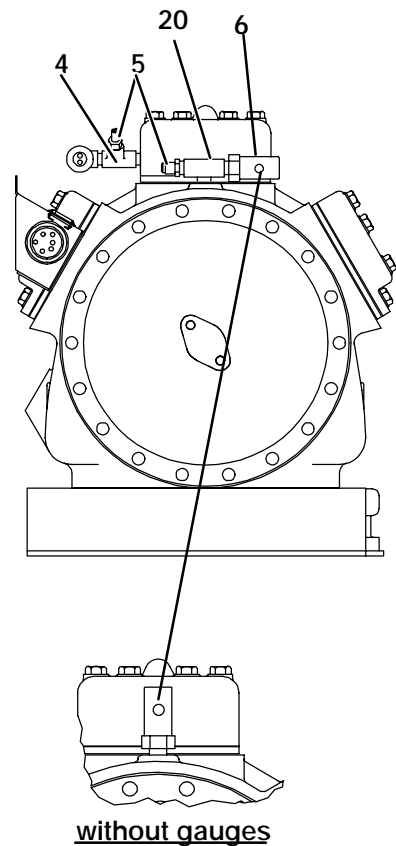
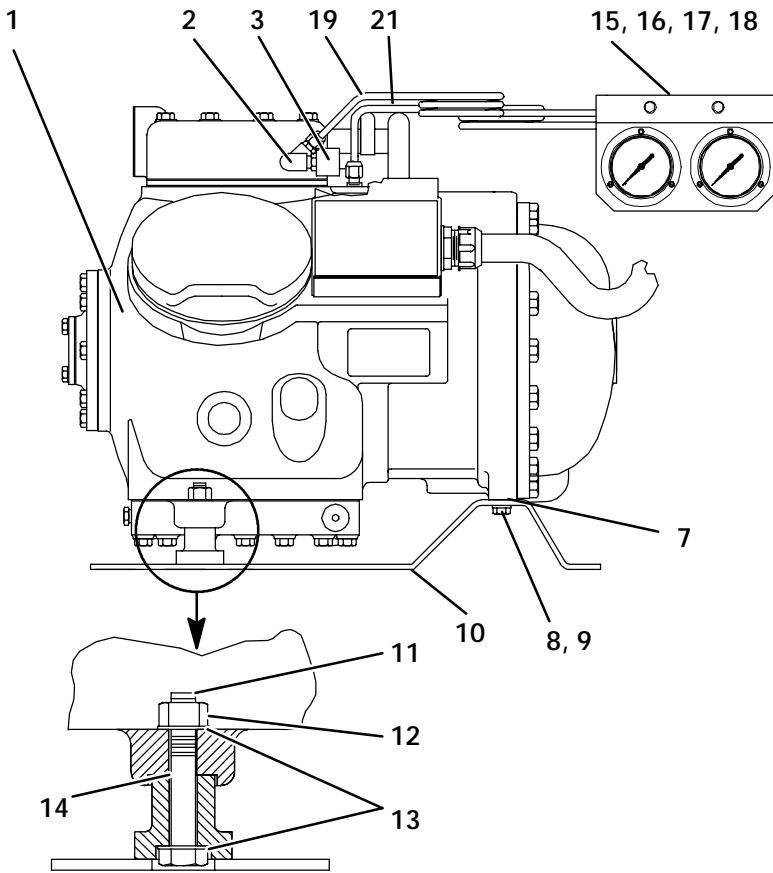


1	14-50021-01	Kit, Enclosing Tube & Coil Housing – Includes:	1
2	14-50021-03	Nut, Coil – Includes:	1
3	NSS	Nut, Coil	1
4	NSS	O-Ring, Coil Nut	1
5	14-50021-04	Housing, Coil – Includes:	1
6	NSS	Housing, Coil	1
*7	NSS	Plate, Coil Bottom	1
8	NSS	O-Ring, Coil Bottom Plate	1
9	NSS	Sleeve, Solenoid Coil	1
10	NSS	Tube Assembly, Coil Plate & Enclosing	1
11	14-01100-01	Valve, Modulating Solenoid – Includes:	1
12	14-50021-02	Coil, Solenoid – Includes:	1
9	NSS	Sleeve, Solenoid Coil	1

\* NOTE: Coil bottom plate is only supplied in Kit 14-50021-04 as a separate item for use on early style enclosing tube assemblies.

ITEM	PART NO.	DESCRIPTION	QTY
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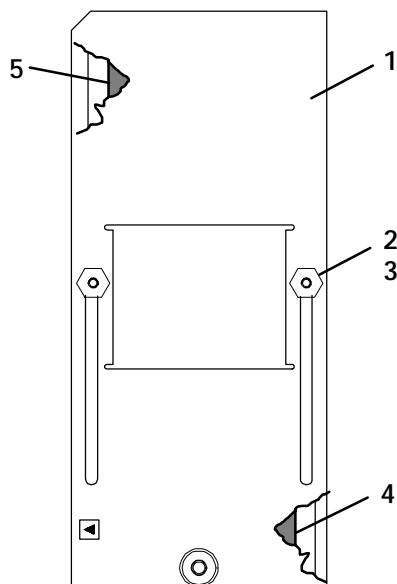
### 3.18 COMPRESSOR MOUNTING AND GAUGES



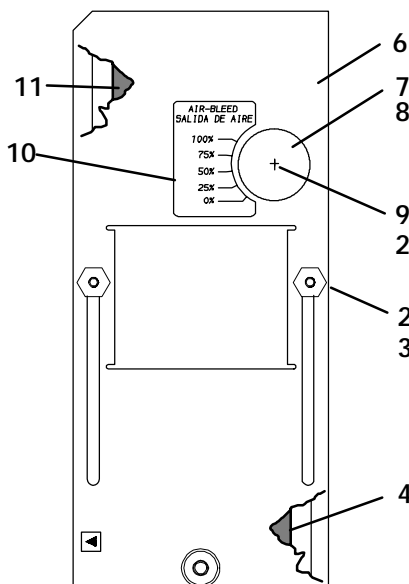
1	-	Compressor – Refer to Section 5	-
2	14-01093-00	Snubber Assembly	1
3	66U1-6942-4	Switch, High Pressure	1
3	66U1-6942-6	Switch, High Pressure <b>69NT40-444-18, -19, -22, -23 &amp; 69NT40-441-21, -22, -23, -25</b>	1
4	CA21JA051	Tee, 1/4 npt (NSI)	1
5	06DA403-844	Valve Assembly, Core, Check – Brass	2
6	14-00195-02	Valve, Low Side Pressure Relief <b>Used on Unit with Provision for R-22</b>	1
7	69NT35-6132	Protector (Compressor to Compressor Base)	1
8	PL	Washer, Lock, 3/8 – SST	2
9	PL	Capscrew, Hex Head, 3/8-16 x 1-1/4 lg – SST	2
10	69NT43-108	Base, Compressor	1
NS	PL	Bolt, Hex Head, 3/8-16 x 1.00 lg – SST	7
NS	PL	Washer, Flat, 3/8 – SST	7
NS	PL	Washer, Lock, 3/8 – SST	7
NS	58-50013-00	Washer, Mylar, 1/2 ID x 1.00 OD	7
11	PL	Capscrew, 7/16-14 x 2-3/4 lg – SST	2
12	PL	Locknut, 7/16-14 – SST	2
13	PL	Washer, Flat, 7/16 – SST	4
14	58-50013-01	Washer, Mylar, 1/2 ID x 1-1/8 OD	2
15	69NT40-942	Stiffener Assembly	1
NS	PL	Screw, Hex Head, #10-24 x 3/4 lg – SST	2
NS	PL	Washer, Flat, #10 – SST	2
16	69NT40-912	Bracket Assembly, Gauge – Optional (NSI)	1
17	12-01124-01	Gauge, Suction Pressure – Optional	1
18	12-01125-01	Gauge, Discharge Pressure – Optional	1
19	69NT41-543	Tube Assembly, High Pressure	1
20	40-00249-01	Tee, Male, 1/4 fpt x 1/4 fpt x 1/4 mpt – Brass (NSI)	1
21	69NT41-553	Tube Assembly, Low Pressure	1

ITEM	PART NO.	DESCRIPTION	QTY
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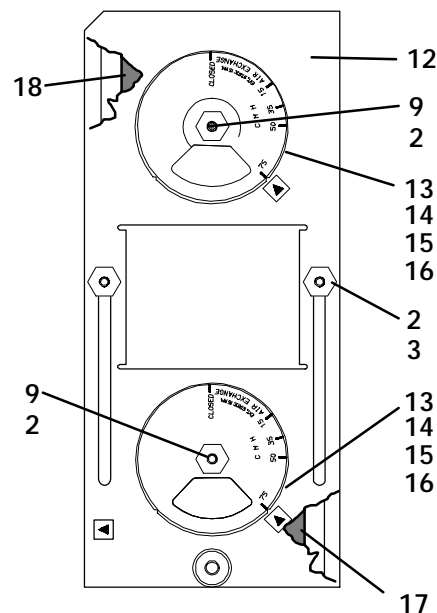
3.19 MAKEUP AIR COVER OPTION



**69NT40-976**



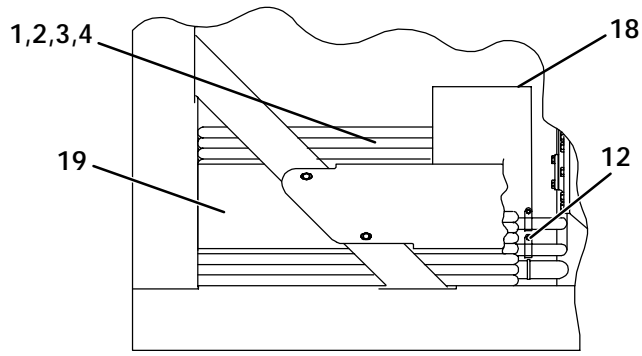
**69NT40-976-1**



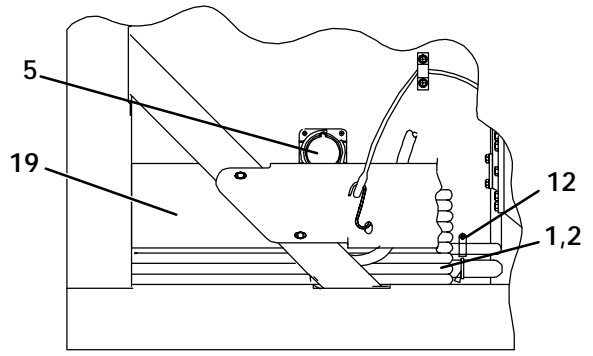
**69NT40-976-2**

1	69NT40-976	Cover, Makeup Air – Includes:	1
2	PL	Washer, Flat, 1/4 – SST	1
3	PL	Nut, Hex, 1/4-20 UNC-2B – SST	1
4	69NT35-2322-5	Gasket, Cover (NSI)	1
5	69NT35-2322-10	Gasket, Cover (NSI)	1
6	69NT40-976-1	Cover, Makeup Air <b>69NT40-454, -2, -3</b> – Includes:	1
7	69NT40-976-4	Cover Assembly, Air Bleed – Includes:	1
8	42-00203-00	Gasket	1
2	PL	Washer, Flat, 1/4 – SST	1
4	69NT35-2322-5	Gasket, Cover (NSI)	1
9	66U1-5362-1	Nut, Wing, 1/4-20 – SST	1
10	69NT35-9483	Label, Air Bleed (NSI)	1
11	69NT35-2322-11	Gasket, Cover (NSI)	1
12	69NT40-976-2	Cover, Makeup Air <b>(With Air Bleed)</b> – Includes:	1
13	69NT40-976-3	Cover Assembly, Air Bleed – Includes:	2
14	42-00233-00	Gasket, Air Exchange (NSI)	2
15	69NT35-1417	Label, Air Bleed (NSI)	2
2	PL	Washer, Flat, 1/4 – SST	2
9	66U1-5362-1	Nut, Wing, 1/4-20 – SST	2
16	34-06053-00	Washer, Mylar	2
17	69NT35-6932-1	Gasket, Cover (NSI)	1
18	69NT35-6932	Gasket, Cover (NSI)	1

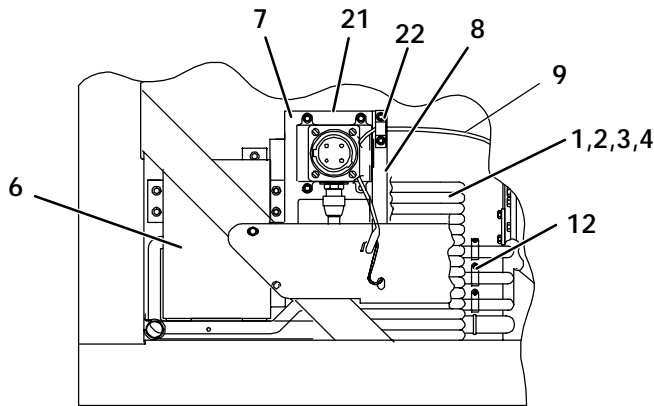
3.20 VOLTAGE OPTIONS



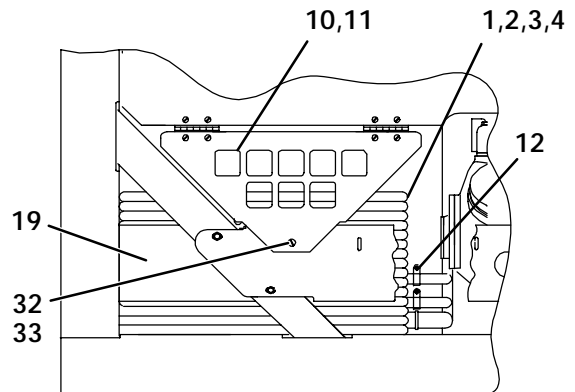
ALL OTHER MODELS



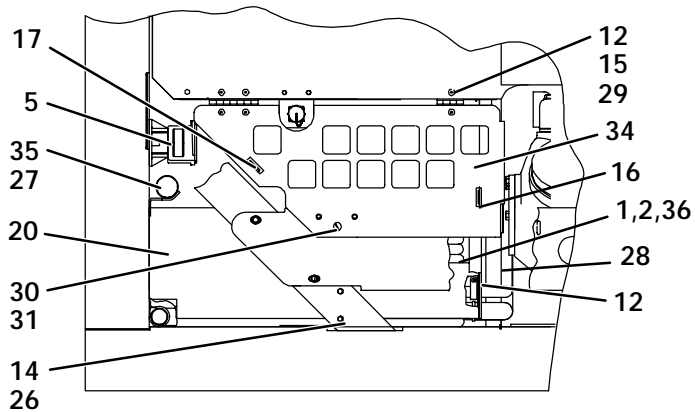
69NT40-454



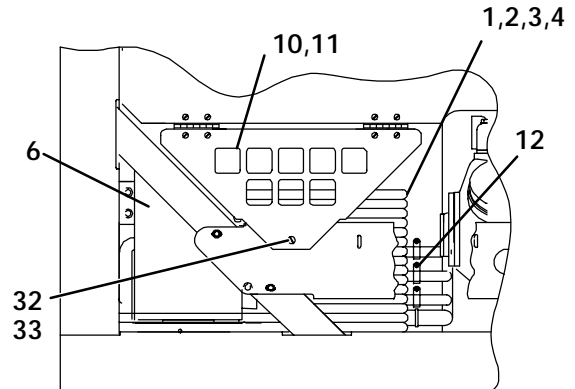
69NT40-444-3, -7, -8



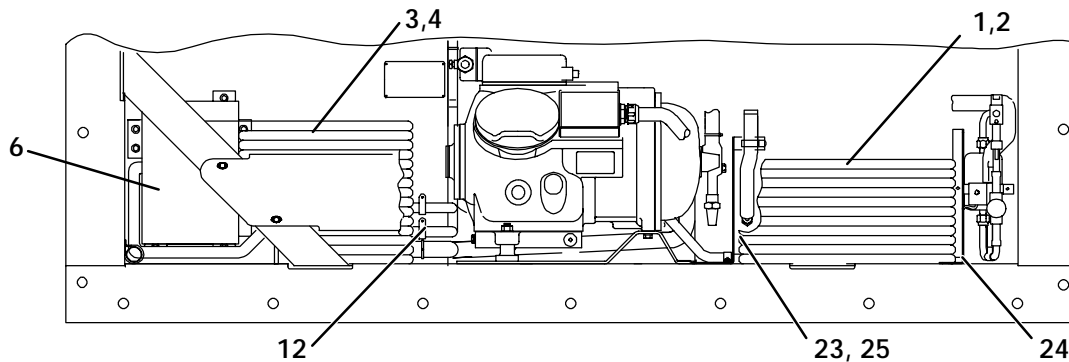
69NT40-444-6



69NT40-454-2, -3



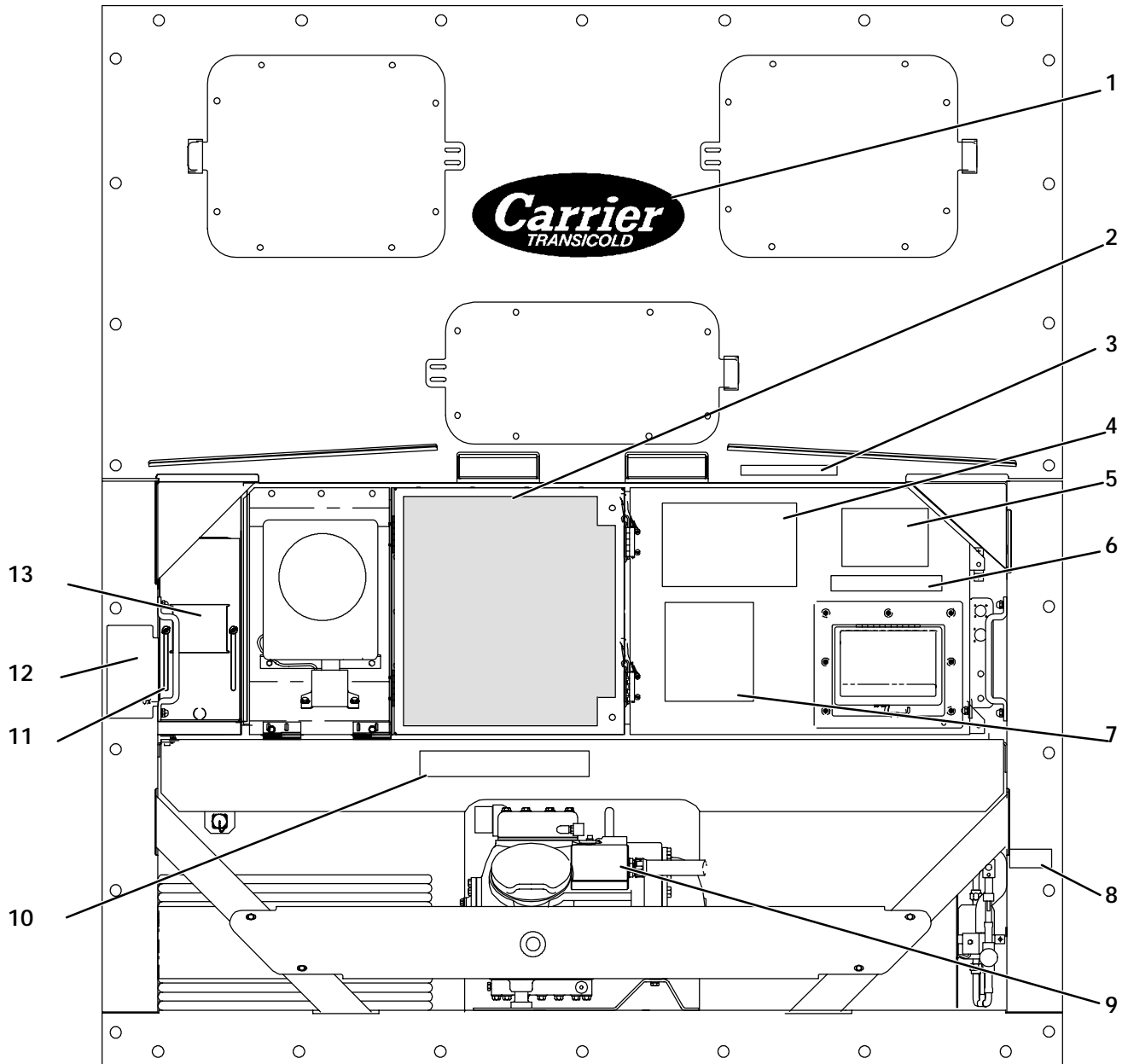
69NT40-444-15, -17



69NT20-274-1

ITEM	PART NO.	DESCRIPTION	QTY
<b>3.20 VOLTAGE OPTIONS</b>			
1	22-01551-00	Cable, Power ( <b>460 vac</b> ) (NSI)	A/R
2	22-02378-00	Plug, Power ( <b>460 vac</b> ) <b>Mennekes</b>	1
NS	22-02324-01	Bushing (For P/N 22-02378-00 & 22-02232-00) (NSI)	4
2	66U1-2443	Plug, Power ( <b>460 vac</b> ) – <b>69NT40-444-4, -6, -15</b>	1
2	22-01571-00	Plug, Power ( <b>460 vac</b> ) – <b>69NT40-454, -2, -3</b> (NSI)	1
2	22-02232	Plug, Power ( <b>460 vac</b> ) – <b>69NT40-454-1</b>	1
3	66U1-9782-1	Cable, Power ( <b>230 vac</b> ) (NSI)	A/R
4	22-02322-00	Plug, Power ( <b>230 vac</b> ) (NSI)	1
4	66U1-6782-3	Plug, Power ( <b>230 vac</b> ) <b>69NT40-444-7, -8</b> (NSI)	1
5	22-01561-01	Receptacle (for power plug) – <b>69NT40-454, -2, -3</b>	1
6	76-00365-01	Transformer, Power (Optional)	1
7	22-02344	Receptacle, Power (460 vac) (NSI) – <b>69NT40-444-3, -7, -8</b>	1
8	69NT35-5992	Strap (NSI)	1
9	66U1-2603	Strap, Hold Down	1
10	69NT41-724-1	Cover, Power Cable	1
11	69NT35-5262	Hinge, Cover	2
12	34-06053-05	Washer, Mylar	16
13	58-50013-02	Washer, Mylar, 1/4 ID X 13/16 OD	8
14	58-04026-07	Protector, Mylar	1
15	58-04001-00	Protector, Mylar	2
16	58-04026-12	Protector, Mylar	1
17	58-04026-13	Protector, Mylar	1
18	69NT35-9393	Plate – <b>69NT40-444-4</b>	1
19	69NT35-3573	Panel (NSI)	1
20	69NT35-1337	Panel (NSI)	1
21	69NT40-717	Bracket (NSI)	1
22	58-50013-04	Washer, Mylar 1.00 OD X 1/4 ID	A/R
23	69NT20-533	Partition (NSI)	1
24	69NT35-6153	Partition (NSI)	1
25	66U1-8065-F25	Gasket (25 Ft, Cut to length)	A/R
26	58-00989-00	Protector, Mylar	2
27	58-00024-23	Plug, Cap (NSI)	1
28	69NT41-473	Panel	1
29	34-01167-01	Retainer	2
30	34-01150-31	Receptacle	1
31	69NT35-5862	Bracket (NSI)	1
32	34-01150-04	Stud, 1/4 Turn	1
33	34-01150-30	Washer, Retaining	1
34	69NT35-9044	Cover, Power Cable (NSI)	1
35	69RN40-863-1	Holder, Document (NSI)	1
36	22-01617-00	Stop, Cable	1
NS	22-02373-00	Plug, Remote Monitoring (Optional)	1
NS	22-02382-00	Receptacle, Dummy	1

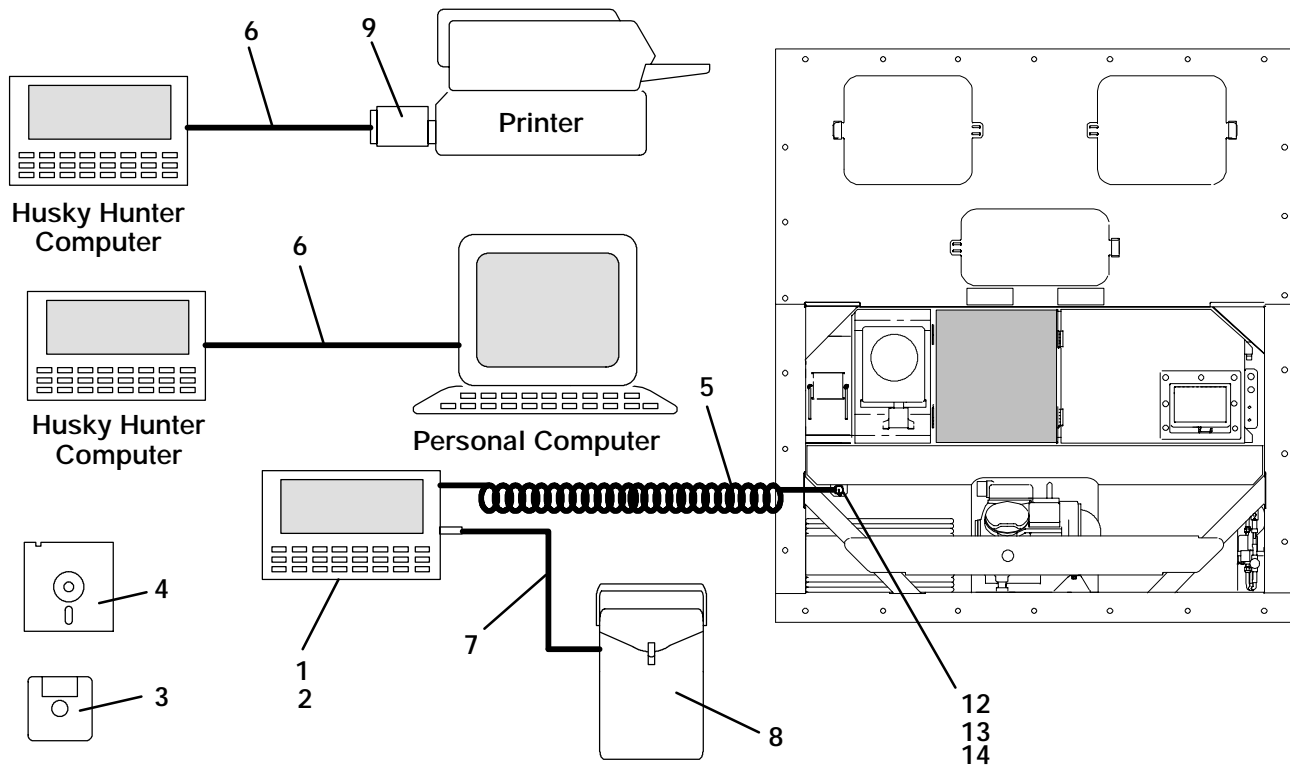
3.21 LABELS AND DECALS



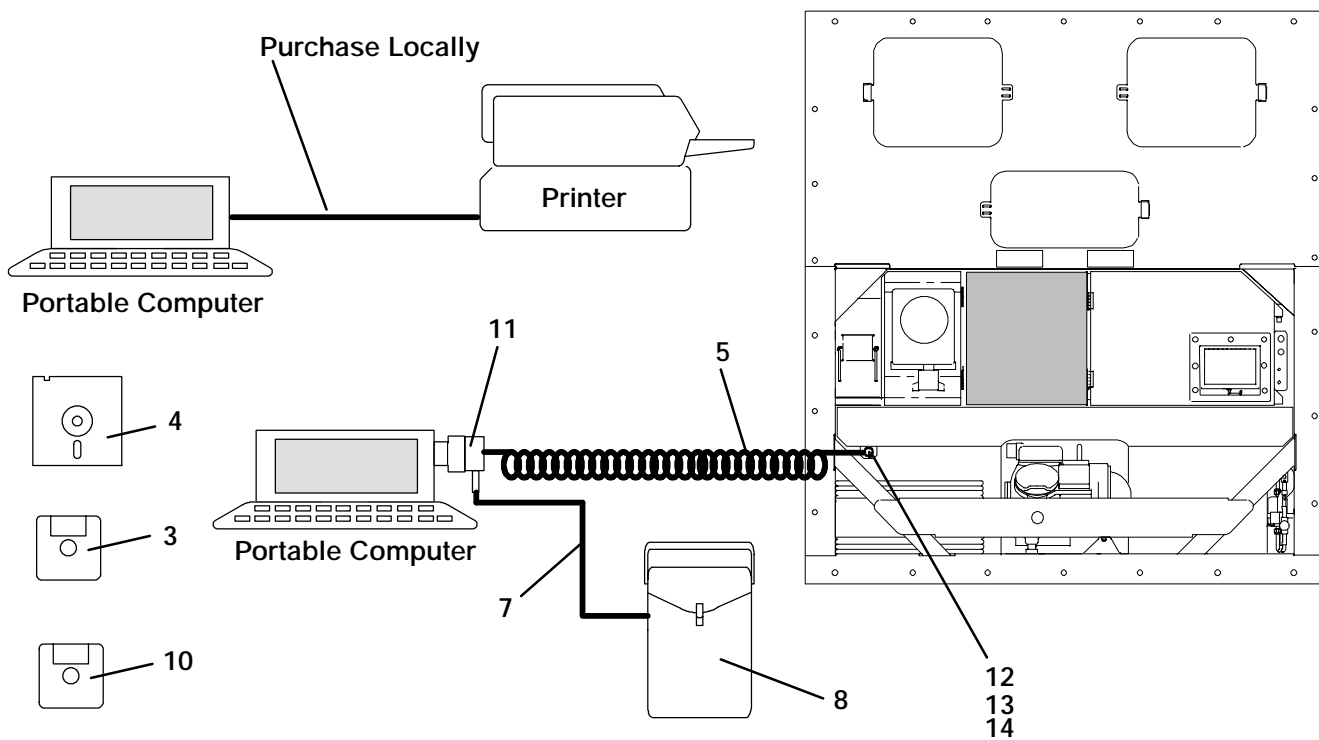
ITEM	PART NO.	DESCRIPTION	QTY
<b>3.21 LABELS AND DECALS</b>			
1	62-02531-00	Decal, Carrier Transicold	1
2	66U1-8912	Label, Direction Arrow	1
3	69NT35-8653	Label, Humidistat (NSI)	1
4	69NT35-8084	Label, Operating (NSI) – 69NT20-274-1	1
4	69NT35-7784	Label, Operating (NSI) – 69NT20-274 & 69NT40-444, -2, -9, -11, -12, -13	1
4	69NT35-7804	Label, Operating (NSI) – 69NT40-444-1, -10, -20, -21, -22, -23 & 69NT40-441-21, -22, -23, -25	1
4	69NT35-8064	Label, Operating (NSI) – 69NT40-444-3, -7	1
4	69NT35-8564	Label, Operating (NSI) – 69NT40-444-8	1
4	69NT35-7924	Label, Operating (NSI) – 69NT40-444-4	1
4	69NT35-7964	Label, Operating (NSI) – 69NT40-454, -2, -3	1
4	69NT35-8454	Label, Operating – 69NT40-454-1	1
4	69NT35-9344	Label, Operating (NSI) – 69NT20-274-2, -3 & 69NT40-441-24, -444-14	1
4	69NT35-9754	Label, Operating (NSI) – 69NT40-444-15, -17	1
4	69NT35-9464	Label, Operating (NSI) – 69NT40-444-16, -18, -19	1
5	69NT35-7794	Label, Fan Warning (NSI)	1
5	69NT35-7974	Label, Fan Warning (NSI) – 69NT40-454, -1, -2, -3	1
5	69NT35-8094	Label, Fan Warning (NSI) – 69NT20-274-1	1
5	69NT35-7934	Label, Fan Warning (NSI) – 69NT40-444-15	1
6	69NT35-8553	Label, Humidity Control Sensor (NSI)	1
7	69NT35-7094	Label, Function Code (NSI)	1
7	69NT35-8164	Label, Function Code (NSI) – 69NT20-274-1	1
7	69NT35-8474	Label, Function Code (NSI) – 69NT40-454-1	1
7	69NT35-8824	Label, Function Code (NSI) – 69NT40-444-10, -17 & 69NT40-441-21, -22, -23, -25	1
8	66U1-7471	Label, Charge with R-12 (NSI)	1
9	69NT35-3842	Label, Compressor-Frost	1
10	69NT35-4773	Label, Warning (NSI)	1
11	66CH1-1002-33	Label, Arrow (NSI)	1
12	69NT35-8413	Label, Air Exchange (NSI) – 69NT20-274, -2, -3 & 69NT40-441-24, -444, -2, -9, -11, -14	1
12	69NT35-5323	Label, Air Exchange (NSI) – 69NT40-444-1, -3, -4, -6, -7, -8, -10, -17, -20, -21, -22, -23 & 69NT40-441-21, -22, -23, -25	1
12	69NT35-9493	Label, Air Exchange – 69NT40-454, -2, -3	1
12	69NT35-9593	Label, Air Exchange (NSI) – 69NT20-274-1	1
12	69NT35-9903	Label, Air Exchange (NSI) – 69NT40-454-1	1
12	69NT35-1287	Label, Air Exchange (NSI) – 69NT40-444-12, -13, -16, -18, -19	1
13	69NT35-7012	Label, Fresh Air (NSI) – 69NT40-444-12, -13, -16	1
13	69NT35-1417	Label, Fresh Air (NSI) – 69NT40-444-18, -19	2
NS	69NT35-8223	Label, USDA (Located on rear side panel)	1
NS	69NT35-6512	Label, Nitrogen Feed (NSI) – 69NT40-454, -2, -3	1
NS	69NT35-9483	Label, Air Bleed (NSI) – 69NT40-454, -2, -3	1

4. ACCESSORIES

4.1 INTERROGATOR AND ACCESSORIES



HUSKY HUNTER COMPUTER CONNECTIONS



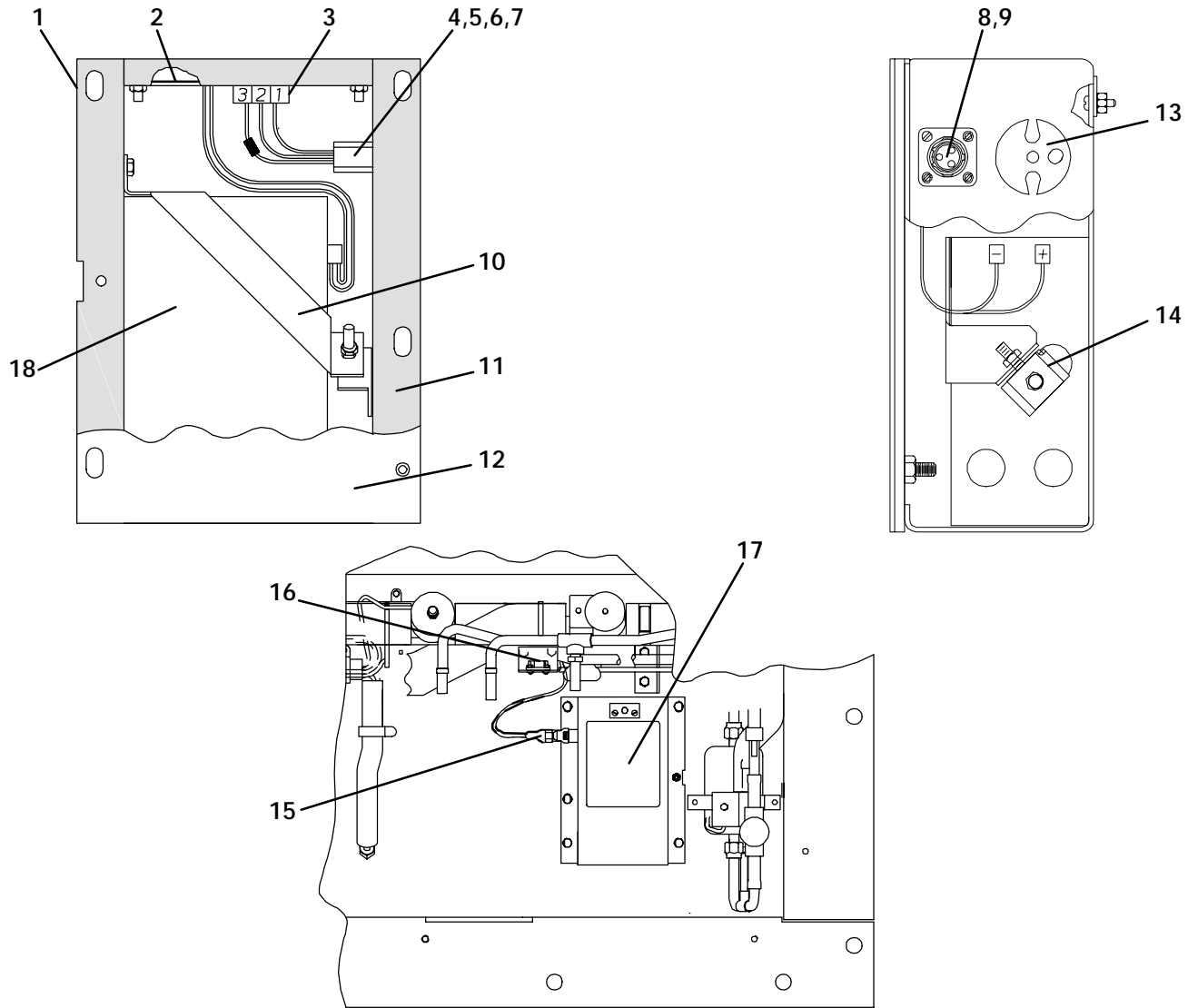
PORTABLE COMPUTER CONNECTIONS



ITEM	PART NO.	DESCRIPTION	QTY
<b>4.1 INTERROGATOR AND ACCESSORIES</b>			
1	12-01106-02	Husky Computer – 352K Memory (NSI)	1
2	58-01246-00	Case (for Husky Computer) (NSI)	1
3	12-00277-00	Software, PC and Husky Menu Program ( <b>3.5 Diskette</b> )	1
4	12-00277-01	Software, PC and Husky Menu Program ( <b>5.25 Diskette</b> )	1
5	22-02418-00	Cable, Unit to Husky or Portable Computer	1
6	22-02386-00	Cable, Husky to IBM – PC or Printer	1
7	22-02401-00	Cable, Battery Pack to Husky or Portable Computer	1
8	12-01107-00	Battery Pack with Charger	1
9	12-00279-00	Microbuffer, Mini (for Husky to Parallel Printer) (NSI)	1
10	12-01126-03	Software, Diskette for Portable Computer DataREADER Program	1
11	22-02420-00	Adapter, 25 Pin (Male) to 9 Pin (Female)	1
NS	69NT40-957	Sensor Assembly, USDA Cold Treatment – Includes:	1
NS	22-02397-04	Pin	4
12	22-02413-00	Cap & Chain	1
13	69NT40-537-3	Connector, Interrogator (Optional) (NSI) – Includes:	1
NS	22-02412-00	Receptacle	1
NS	22-02398-02	Pin, Contact	5
NS	58-01256-00	Plug	1
NS	22-02362-01	Contact	1
NS	22-02361-01	Contact	3
14	69NT40-222	Bracket, Interrogator Connector (Optional)	1

ITEM	PART NO.	DESCRIPTION	QTY
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4.2 BATTERY AND CHARGER MODULE

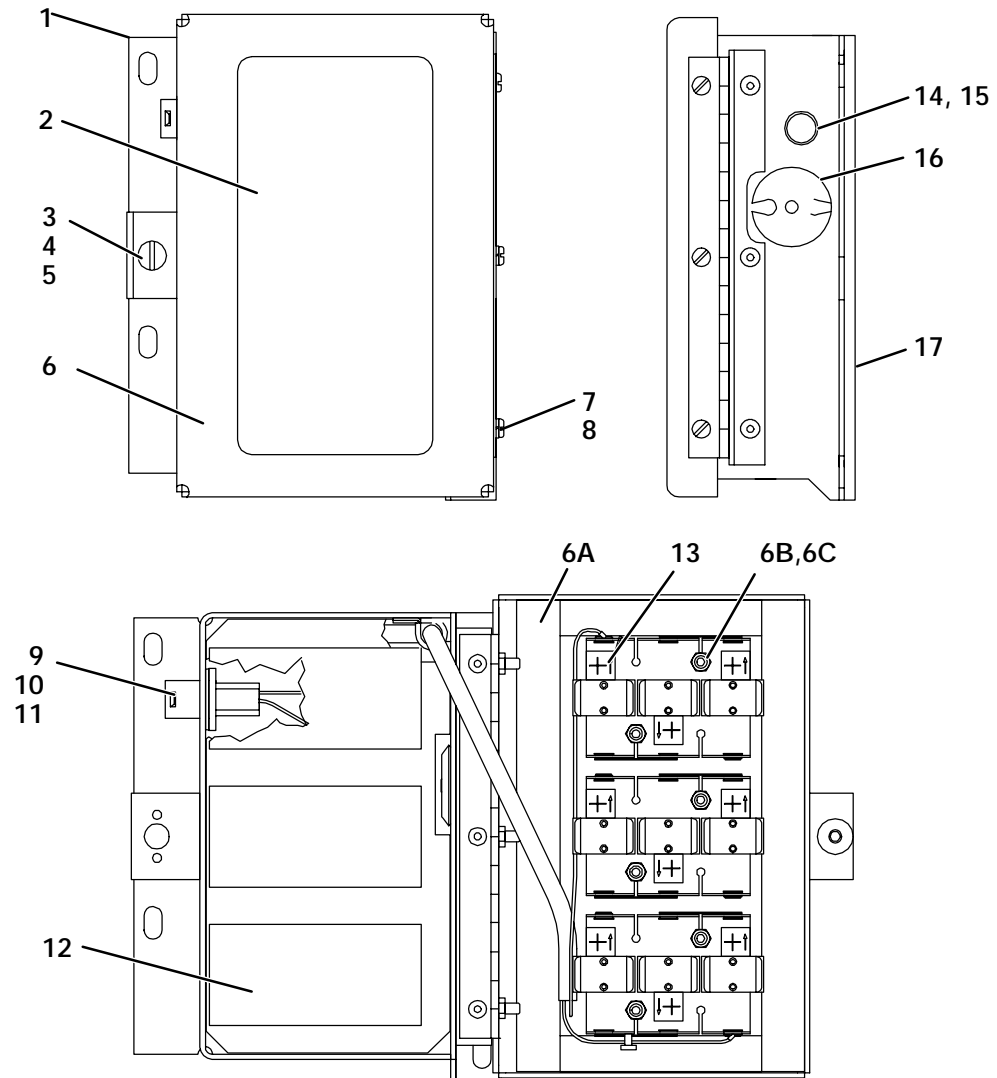


1	69NT40-177-1	Battery Box Assembly – Includes:	1
2	12-01111-00	Charger, Battery	1
3	22-01442-00	Connector, Receptacle	1
4	69NT40-682	Fuse Assembly – Includes:	1
5	22-02387-00	Holder, Fuse, In-line	1
6	HY10FJ203	Fuse, 3 Amps	1
7	22-02361-01	Contact (Pin Type)	2
8	22-02382-00	Receptacle	1
9	42-01114-00	Gasket, Receptacle (NSI)	1
10	69NT40-147	Bracket, Battery	1
11	42-01112-00	Gasket, Battery Box (NSI)	1
12	69NT40-287	Cover (NSI)	1
13	58-00660	Drain, Washer Condensate (Plastic)	2
14	42-01113-00	Gasket, Battery Bracket (NSI)	1
15	22-02383-00	Plug (for Power Cable and Dummy Plug)	2
16	22-02362-01	Socket, Terminal (for Power Cable)	3
17	69NT35-7684	Label, Charger Battery Box (NSI) (USDA)	1
* 18	10-01162-00	Battery, 12 Volt (NSI)	1
NS	69NT35-8074	Label, Charger Battery Box (NSI) <b>69NT40-444-3, -7, -8</b>	1

\* Contact your RCG Customer Representative.

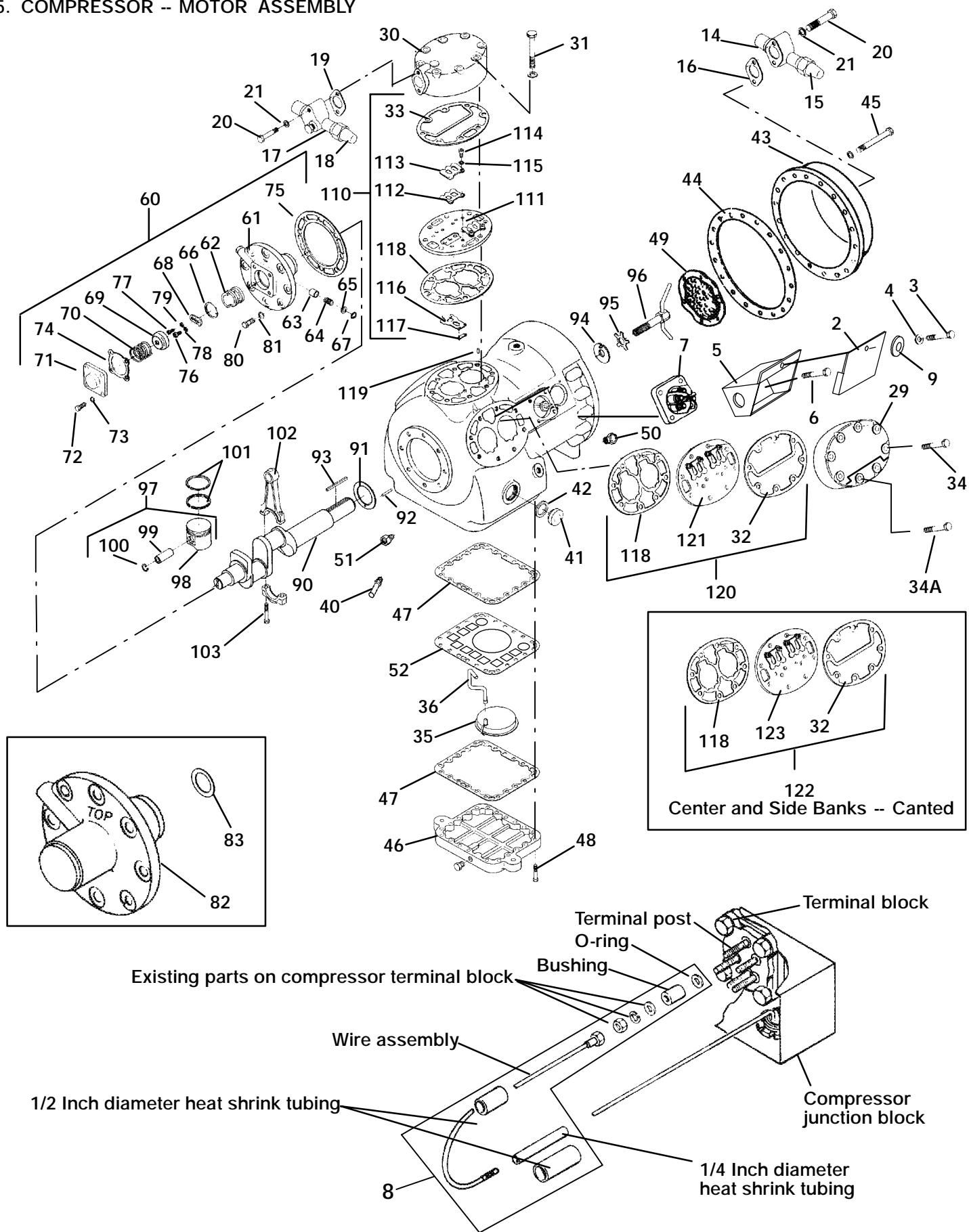
ITEM	PART NO.	DESCRIPTION	QTY
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4.3 USDA "C" SIZE BATTERY BOX



1	69NT40-997	Battery Box Assembly (NSI) – Includes:	1
2	69NT35-9563	Label, Instruction (NSI)	1
3	66U1-6811-10	Retaining, Screw	1
4	34-01226-00	Washer, Retaining	1
5	34-01142-01	Receptacle, Retaining	1
6	69NT41-143	Door (NSI) – Includes:	1
6A	42-00206-00	Gasket (NSI)	1
6B	22-01567-00	Holder, Battery	3
6C	PL	Locknut, #6-32	6
7	69NT35-6552	Bracket (NSI)	1
8	44-00303-00	Hinge (NSI)	1
9	22-02382-00	Receptacle	1
10	42-01114-00	Gasket (NSI)	1
11	22-02361-01	Contact (Pin Type)	1
12	42-00211-00	Gasket (NSI)	3
13	69NT35-6572	Label (NSI)	9
14	22-01572-00	Holder, Fuse	1
15	22-00060-22	Fuse, 1 Amp	1
16	58-00660	Drain, Washer Condensate (Plastic)	2
17	42-00207-00	Gasket, Battery Box to Unit (NSI)	1
NS	PL	Battery "C" Size (NSI)	9

5. COMPRESSOR -- MOTOR ASSEMBLY



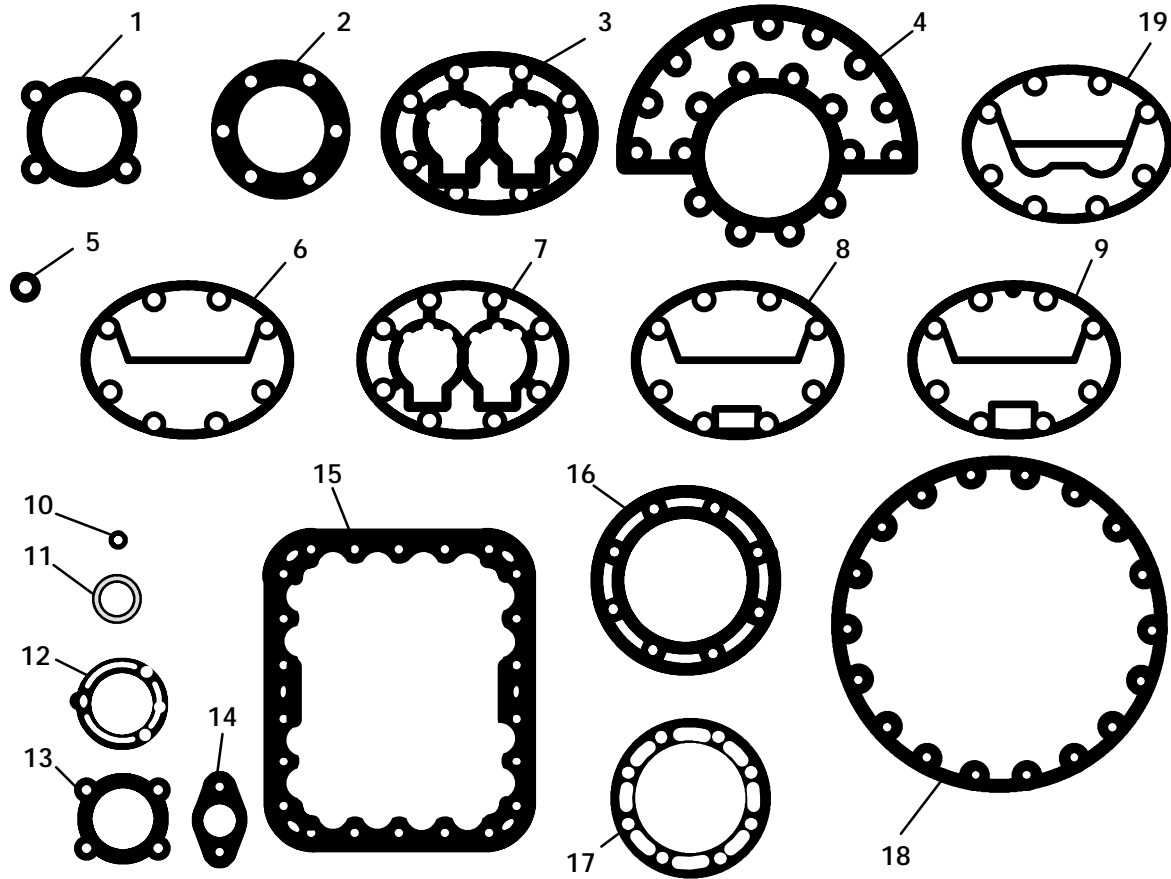
ITEM	PART NO.	DESCRIPTION	QTY
<b>5. COMPRESSOR -- MOTOR ASSEMBLY</b>			
<b>5.1 SERVICE REPLACEMENT COMPRESSOR</b>			
1	18-00043-08SV	Compressor, 28 CFM, <b>460</b> vac/3 ph/60 hz <b>69NT20-274, -1, -2, -3</b>	1
1	18-00043-06SV	Compressor, 37 CFM, <b>460</b> vac/3 ph/60 hz <b>69NT40-454, -1, -2, -3 &amp; 69NT40-444, -2, -3, -7, -8, -9, -11, -12, -13, -14, -15, -16, -17</b>	1
1	18-00043-07SV	Compressor, 37 CFM, <b>230/460</b> vac/3 ph/60 hz <b>69NT40-444-1, -4, -6, -10, -20, -21</b>	1
1	18-00043-19	Compressor, 41 CFM, <b>460</b> vac/3 ph/60 hz <b>69NT40-444-18, -19</b>	1
1	18-00043-20	Compressor, 41 CFM, <b>230/460</b> vac/3 ph/60 hz <b>69NT40-444-22, -23</b>	1
1	18-00048-21SV	Compressor, 41 CFM, <b>230/460</b> vac/3 ph/60 hz <b>69NT40-441-21, -22, -23</b>	1
1	18-00048-20SV	Compressor, 41 CFM, <b>460</b> vac/3 ph/60 hz <b>69NT40-441-24</b>	1
1	18-00048-25SV	Compressor, 37 CFM, <b>230/460</b> vac/3 ph/60 hz <b>69NT40-441-25</b>	1
<b>NOTE</b>			
The Service Replacement Motor – Compressor is sold without terminal box and cover, and without shut-off valves (but with valve pads). Customer should retain the original terminal box and valves for use on replacement compressor.			
<b>5.2 TERMINAL MOUNTING AND JUNCTION BOX GROUP</b>			
2	69NT20-2083	Cover, Junction Box	1
3	PL	Screw, Hex Head, #10-24 x 1/2 lg (cover to box)	2
4	PL	Washer, Lock, #10 (cover to box)	2
5	69NT20-513-SV	Box, Junction ( <b>Located on Front of Compressor</b> ) – Includes:	1
5	69NT20-513-1SV	Box, Junction ( <b>Located on Back of 230/460v Compressor</b> ) – Includes:	1
2	69NT20-2083	Cover, Junction Box	1
6	PL	Screw, Pan Head, #10-32 x 3/8 lg (box to compressor)	2
7	17-40093-02	Terminal, Compressor ( <b>5 Terminals</b> )	1
7	17-40093-01	Terminal, Compressor ( <b>6 Terminals</b> )	1
8	76-00355	Kit, Compressor Terminal Wiring	1
NS	76-00384	Kit, Compressor Terminal Wiring (Dual Voltage or Dual/Single Voltage)	1
NS	17-40075-05	Gasket, Terminal Plate	1
9	34-06053-05	Washer, Mylar	A/R
<b>5.3 SERVICE VALVE GROUP</b>			
14	14-01042-03	Valve, Suction Shut-Off, 1-1/8 ODS – Includes:	1
15	17-10812	Cap, Seal	1
NS	17-10806-02	Gasket, Seal Cap	1
16	17-10811-05	Gasket, Suction Service Valve	1
17	14-01042-04	Valve, Discharge Shut-Off, 7/8 ODS – Includes:	1
18	17-10812	Cap, Seal	1
NS	17-10806-02	Gasket, Seal Cap	1
19	17-10811-05	Gasket, Discharge Service Valve	1
20	66U1-5361-46	Bolt, Hex Head, 5/16-18 x 1-7/8 lg – SST (NSI)	2
21	17-40013	Gasket, Bolt, 5/16	2
<b>5.4 COMPRESSOR -- MOTOR BODY GROUP</b>			
NS	–	Gasket Set (Refer to Section 5.8)	
29	17-21040	Head, Cylinder – Side Bank (Shaved Head)	2
30	17-40016-01	Head, Cylinder – Center Bank	1
31	17-40018-05	Screw, Hex Head – Center Head, 3/8-16 x 3.00 lg – SAE Grade 5	8
32	17-55001	Gasket, Cylinder Head – Side Bank (Standard)	2
33	17-55006	Gasket, Center Cylinder Head	1
34	17-40034-05	Screw, Hex Head, 3/8-16 x 2.00 lg – SAE Grade 5	12
34A	17-40037-05	Screw, Hex Head, 3/8-16 x 1.00 lg – SAE Grade 5	4
35	17-40020-01	Screen Assembly, Oil Filter	1
36	17-40021	Tube, Oil Suction	1
40	17-44011	Valve, Oil Relief	1
41	17-10218	Sight Glass Package, Oil Level – Includes:	1
42	17-10218-02	Gasket, Sight Glass	1
43	17-20004	Cover, Motor End (NSI)	1
44	17-40029-05	Gasket, Motor End Cover	1

ITEM	PART NO.	DESCRIPTION	QTY
<b>5.4 COMPRESSOR -- MOTOR BODY GROUP (CONTINUED)</b>			
45	PL	Screw, Hex Head, 7/16-14 x 1-1/4 lg – SAE Grade 5	18
46	17-40032	Plate, Bottom	1
47	17-40033-05	Gasket, Bottom Plate	2
48	17-40034-05	Screw, Hex Head, 3/8-16 x 2.00 lg – SAE Grade 5	22
49	17-20005	Strainer Assembly, Suction (NSI)	1
50	PL	Plug, Pipe, Oil Fill, 1/4	1
51	17-40042	Check Valve Assembly, Oil Return	1
52	17-21063-00	Plate, Screen Hold Down	1
NS	PL	Pipe Plug (High & Low Pressure Connection and Oil Drain), 1/4-18 NPT	1
<b>5.5 PUMP END GROUP</b>			
60	17-40060	Bearing Head & Oil Pump Package ( <b>VANE</b> ) Consists of: (Used in 18-00043-06SV, -07SV, -08SV, -19, -20 Compressor)	1
61	NSS	Bearing Head and Oil Pump Assembly – Includes:	1
62	NSS	Pump, Rotor	1
63	NSS	Pump, Vane	2
64	17-40064	Plunger, Vane Spring	2
65	17-40065	Plunger, Vane Spring Guide	2
66	17-40068	Retaining Ring, Rotor	1
67	17-40066	Retaining Ring, Plunger	2
68	17-40071	Drive Segment, Oil Pump	1
69	NSS	Guide Vane, Oil Feed	1
70	17-40069	Vane Spring, Oil Feed	1
71	17-40076	Plate, Cover	1
72	17-40077	Screw, Hex Head, 5/16-18 x 3/4 lg – SAE Grade 5	4
73	17-40013	Gasket, Screw, 5/16	4
74	17-40075-05	Gasket, Cover Plate	1
75	17-40078-05	Gasket, Bearing Head	1
76	17-40074-01	Screw, Socket Head, 1/4-28 x 5/8 lg (Special)	1
77	17-40072	Screw, Socket Head, #10-32 x 1/2 lg (Special)	1
78	17-10715	Washer, Lock – Drive Segment, 1/4	1
79	17-40073	Washer, Lock – Drive Segment, #10	1
80	17-40037	Screw, Hex Head, Bearing Head, 3/8-16 x 1 lg – SAE Grade 5	8
81	17-40019	Gasket, Capscrew, 3/8	8
82	17-21070-00	Bearing Head & Oil Pump Package ( <b>GEAR</b> ) (Used in 18-00048-20SV -21SV, -25SV Compressor)	1
83	17-55009-01	Washer, Thrust (Used in 18-00048-20SV, -21SV, -25SV Compressor)	1
<b>5.6 CRANKSHAFT, ROD AND PISTON GROUP</b>			
90	17-21068-00	Crankshaft (Used in 18-00048-25SV Compressor)	1
90	17-21036	Crankshaft (Used in 18-00043-08SV Compressor)	1
90	17-40049	Crankshaft (Used in 18-00043-06SV, -07SV Compressor)	1
90	17-21066-00	Crankshaft (Used in 18-00043-19, -20 Compressor)	1
90	N/A	Crankshaft (Used in 18-00048-20SV, -21SV Compressor)	1
91	17-40059	Washer, Thrust	1
92	17-40048	Pin, Spiral, 5/32 Diameter x 5/8 lg	2
93	34-01110	Key, Rotor Drive	1
94	17-10831	Washer, Rotor (NSI)	1
95	17-40046	Washer, Star, Rotor, 5/8 (NSI)	1
96	17-40044	Tube Assembly, Equalizer (NSI)	1
97	17-21065-01	Piston & Pin Pkg (For 18-00043-08SV Compressor) (Standard) – Includes:	6
97	17-21065-03	Piston & Pin Pkg (For 18-00043-08SV Compressor) (+0.020) – Includes:	A/R
97	17-21064-01	Piston & Pin Pkg (For 18-00043-06SV, -07SV Compressor) (Standard) – Includes:	6
97	17-21064-03	Piston & Pin Pkg (For 18-00043-06SV, -07SV Compressor) (+0.020) – Includes:	A/R

ITEM	PART NO.	DESCRIPTION	QTY
<b>5.6 CRANKSHAFT, ROD AND PISTON GROUP (CONTINUED)</b>			
97	17-44115-01	Piston & Pin Pkg (For 18-00043-19, -20 & 18-00048-20SV, -21SV Compressor) (Standard) – Includes:	6
97	17-44115-20	Piston & Pin Pkg (For 18-00043-19, -20 & 18-00048-20SV, -21SV Compressor) (+0.020) – Includes:	A/R
97	17-44045-01	Piston & Pin (Standard) (For 18-00048-25SV Compressor) – Includes:	6
97	17-44045-03	Piston & Pin (+0.020) (For 18-00048-25SV Compressor) (NSI) – Includes:	A/R
98	NSS	Piston	1
99	17-40052-00	Pin, Piston	1
100	17-40053	Retainer, Piston Pin	2
101	17-40055	Ring, Compression (For Standard & +0.020 inch Piston)	12
102	17-40056	Connecting Rod and Cap Assembly (Standard) – Includes:	6
102	17-55023	Connecting Rod and Cap Assembly (+0.010) – Includes:	A/R
NS	17-40057	Pin, Dowel	2
103	17-55008	Capscrew – Special (Epoxy Coated)	2
<b>5.7 VALVE PLATE GROUP</b>			
110	17-55007	Package, Valve Plate Assembly (Center Bank) (For 18-00043-06SV, -07SV, -08SV, 18-00048-25SV Compressor) – Includes:	2
NS	NSS	Plate Assembly, Valve – Includes:	1
111	NSS	Plate, Valve	1
112	17-40086	Valve, Discharge	2
113	17-40087	Valve, Stop Discharge	2
114	17-44113-00	Screw, Hex Head, 1/4-28 x 3/8 lg	4
115	17-10715	Washer, Lock, 1/4	4
116	17-40082	Valve, Suction	2
117	17-40083	Spring, Suction Valve Positioning	2
33	17-55001	Gasket, Cylinder Head	1
118	17-55002	Gasket, Valve Plate	1
120	17-55003	Package, Valve Plate Assembly (Side Bank) (For 18-00043-06SV, -07SV, -08SV, 18-00048-25SV Compressor) – Includes:	2
NS	NSS	Plate Assembly, Valve – Includes:	1
121	NSS	Plate, Valve	1
112	17-40086	Valve, Discharge	2
113	17-40087	Valve, Stop Discharge	2
114	17-44113-00	Screw, Hex Head, 1/4-28 x 3/8 lg	4
115	17-10715	Washer, Lock, 1/4	4
116	17-40082	Valve, Suction	2
117	17-40083	Spring, Suction Valve Positioning	2
32	17-55001	Gasket, Cylinder Head	1
118	17-55002	Gasket, Valve Plate	1
122	17-44112-01	Package, Valve Plate Assembly (Center and Side Banks -- Canted) (For 18-00043-19, -20 & 18-00048-20SV, -21SV Compressor) – Includes:	3
NS	NSS	Plate Assembly, Valve – Includes:	1
123	NSS	Plate, Valve	1
112	17-40086	Valve, Discharge	2
113	17-40087	Valve, Stop Discharge	2
114	17-44113-00	Screw, Hex Head, 1/4-28 x 3/8 lg	4
115	17-10715	Washer, Lock, 1/4	4
116	17-44111-00	Valve, Suction	2
117	17-40083	Spring, Suction Valve Positioning	2
32	17-55001	Gasket, Cylinder Head	1
118	17-55002	Gasket, Valve Plate	1
119	17-40057	Pin, Dowel (Valve Plate)	12

ITEM	PART NO.	DESCRIPTION	QTY
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5.8 GASKET SET

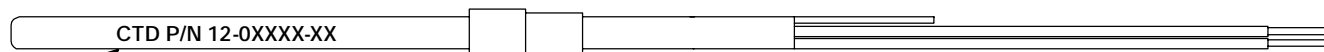


–	17-55020-20	Gasket Set – Includes:	1
1	17-40005-05	Gasket, Suction Service Valve (4 Bolt)	1
2	17-44004-05	Gasket, Shaft Seal (05G)	1
3	17-44007-05	Gasket, Valve Plate (05G)	3
4	17-44001-06	Gasket, End Flange (05G) – Includes:	1
5	17-44014	Gasket, Flange Spacer (05G)	2
6	17-55001	Gasket, Cylinder Head – Right and Left (Standard)	2
7	17-55002	Gasket, Valve Plate	3
8	17-55006	Gasket, Cylinder Head – Center	1
9	17-55005	Gasket, Cylinder Head – Right and Left (Hot Gas Bypass Unloader)	2
10	17-40316	Gasket, Oil Supply Tube (O-Ring, 05D)	1
11	17-10218-02	Gasket, Sight Glass	2
12	17-40104-07	Gasket, Unloader Body	2
13	17-40075-05	Gasket, Oil Pump Cover	1
14	17-10811-05	Gasket, Service Valve (2 Bolt)	2
15	*17-40033-05	Gasket, Bottom Plate	1
16	17-40078-05	Gasket, Pump End Bearing Head	1
17	17-40319-05	Shaft Seal (05D)	1
18	17-40029-05	Gasket, Motor End Cover	1
19	17-21042-00	Gasket, Cylinder Head (Suction Cutoff Unloader)	2

\* NOTE: When ordering for a Container Unit the quantity is two (2).



## 6. CONTROLLER AND RECORDER SENSORS



NOTE: Verify the part number that is stamped on the sensors probe when repairing and make sure to replace with the same part number.

NOTE: P/N 12-01090-00 and P/N 12-00306-00 (2 lead probe – RTD) are the same sensors, except the cable for P/N 12-00306-00 is longer.

P/N 12-01119-00 (4 lead probe – RTD) – Platinum.

P/N 12-00278-01 (2 lead probe – Thermistor)

Model Number	STS P/N	SRS P/N	RTS P/N	RRS P/N
69NT20-274	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT20-274-1	12-00278-01	NONE	12-00278-01	NONE
69NT20-274-2	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT20-274-3	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-441-21	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-441-22	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-441-23	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-441-24	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-441-25	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444	12-01090-00	12-01090-00	12-01090-00	12-01119-00
69NT40-444-1	12-01090-00	12-01090-00	12-01090-00	12-01119-00
69NT40-444-2	12-01090-00	12-01090-00	12-01090-00	12-01119-00
69NT40-444-3	12-01090-00	12-01090-00	12-01090-00	12-01119-00
69NT40-444-4	12-01090-00	NONE	12-01090-00	NONE
69NT40-444-6	12-00306-00	NONE	12-00306-00	NONE
69NT40-444-7	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-8	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-9	12-01090-00	12-01090-00	12-01090-00	12-01119-00
69NT40-444-10	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-11	12-01090-00	12-01090-00	12-01090-00	12-01119-00
69NT40-444-12	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-13	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-14	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-15	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-16	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-17	12-00278-01	12-00278-01	12-00278-01	12-01119-00
69NT40-444-18	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-19	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-20	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-21	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-22	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-444-23	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-454	12-01090-00	12-01090-00	12-01090-00	12-01119-00
69NT40-454-1	12-00278-01	12-00278-01	12-00278-01	12-01119-00
69NT40-454-2	12-00306-00	12-00306-00	12-00306-00	12-01119-00
69NT40-454-3	12-00306-00	12-00306-00	12-00306-00	12-01119-00

STS – SUPPLY TEMPERATURE SENSOR  
 SRS – SUPPLY RECORDER SENSOR  
 RTS – RETURN TEMPERATURE SENSOR  
 RRS – RETURN RECORDER SENSOR