



TRANSICOLD

Container Refrigeration Unit

Model
69NT40-469

**SERVICE
PARTS LIST**

T-258PL

\$3.00



TRANSICOLD

SERVICE PARTS LIST CONTAINER REFRIGERATION UNIT

MODEL 69NT40-469

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SERVICE PARTS LIST

INTRODUCTION

This parts list identifies service replacement parts for the Carrier Transicold Container Model listed in the Model Chart below.

ORDERING INSTRUCTIONS

All orders and inquiries for parts must include: Model, 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 Component 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	<i>As Required.</i>	P--	<i>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.</i>
NLO	<i>No Longer Offered.</i>		
NS	<i>Not Shown in the illustration.</i>		
NSA	<i>Non-Stock Assembly – order components listed under the assembly.</i>	PL	<i>Purchase Locally.</i>
NSI	<i>Non-Stock Item – may be available on special order.</i>	SST	<i>Stainless Steel – 300 Series unless otherwise specified.</i>
NSS	<i>Not Sold Separately – order next higher assembly or kit.</i>	SV	<i>Suffix SV – added to part number designates service replacement part.</i>

MODEL CHART

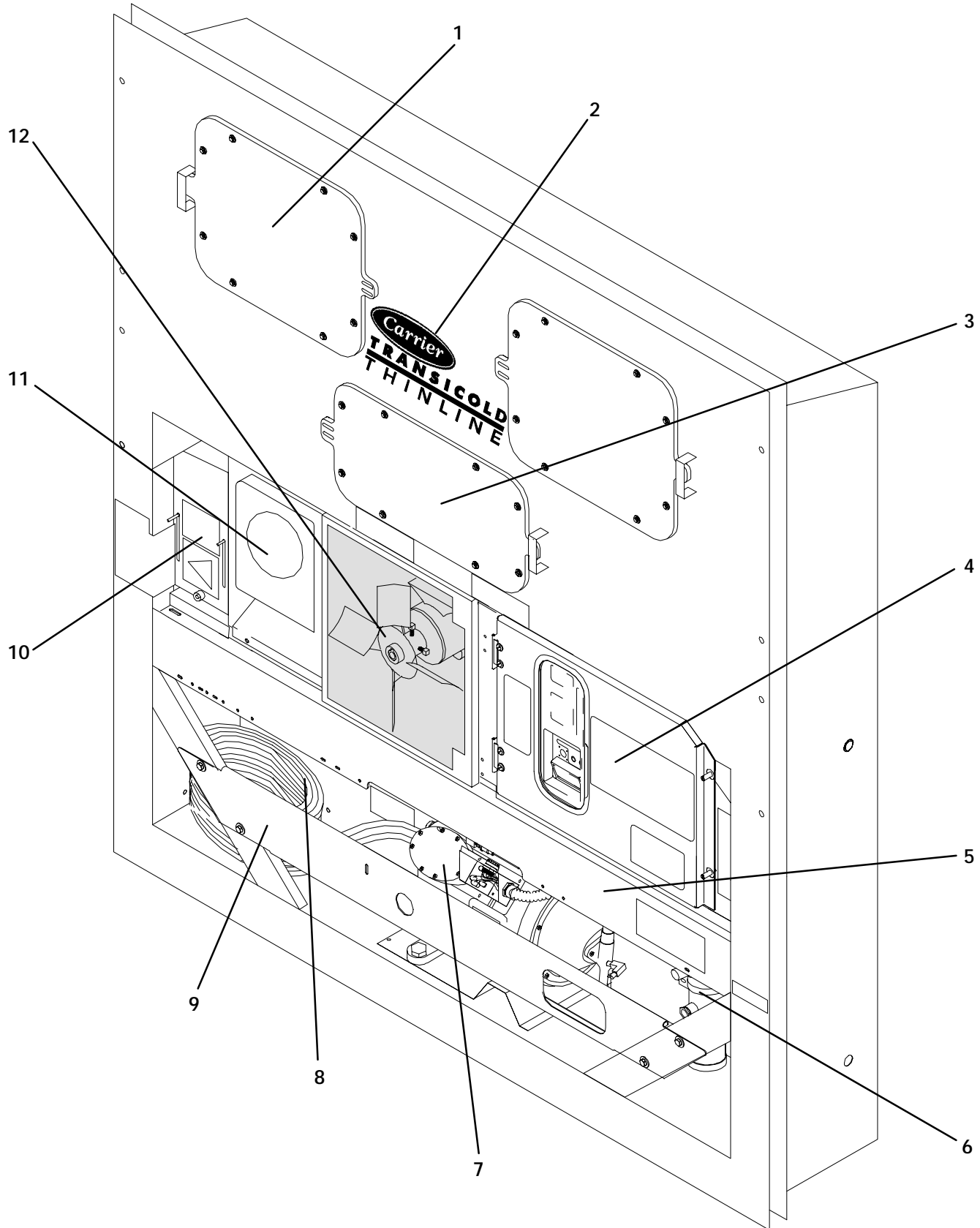
MODEL	Hinged Rear Panels	Two Speed Evaporator Fan Motors	Water-Cooled Condenser	Receiver	Power Transformer	Suction & Discharge Gauges	Dual Voltage Compressor
69NT40-469-7	–	–	–	X	–	–	X

A – Provision for water-cooled condenser. If water-cooled condenser is added, refrigerant charge will change.
 B – Provision for step-up power transformer.
 X – Designates item provided.

PART NO.	DESCRIPTION
1. QUICK LIST -- CLAMPS, FILTER-DRIER, FUSE, TY-RAPS, AND WIRE TERMINALS	
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, Glass – 6 amp
22-00060-20P05	Fuse, Glass – 3 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, .032 x .250, 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 inch Diameter x 25 ft Long
22-01107-00F25	Spiral Wrap, 1/2 inch Diameter x 25 ft Long
66U1-3803-P10	Tube, Heat Shrink, 1/4 ID x 2.12 inches lg
44-01043-05P25	Ty-Raps, 5-1/2 inches Long
44-01043-07P25	Ty-Raps, 11 inches Long
22-50007 Series	Wire Markers
07-00292	SW20 Compressor Oil, Castrol Icematic (Quart)
07-00293-00	Sealant, Pipe (Used to seal fittings on unit with R-134a)
2. TOOLS	
07-00013	Temperature Tester (Simpson Meter)
07-00013-01	Temperature Test Lead (15 Foot)
07-00013-02	Temperature Test Lead (50 Foot)
07-00013-03	Adapter, Males (Both Ends) (Use with Temperature Tester)
07-00015	Case, Carrying (Used with 07-00013)
07-00219	Wrench, Compressor Sight Glass
07-00221	Inspection Light with Mirror
07-00228	Volt-Ohmmeter, Digital
07-00229	Amprobe Clamp (Used with 07-00228)
07-00238	Wrench, Service Valve
07-00243	Volt-Ohmmeter, Digital (Fluke)
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
07-00277-00	Kit, Static Dissipative (Used for working on electronic components)
07-00291-00	Ground Strap, Wrist – Disposable (Used for working on electronic components)
07-00294-00	Gauge Set, Manifold (For R-134a)
07-00295-00	Detector, Leak
07-00297-00	Extractor, Integrated Circuit (For Eprom removal)
07-00298-00	Insertion, Integrated Circuit (For Eprom installation and pin straightener)

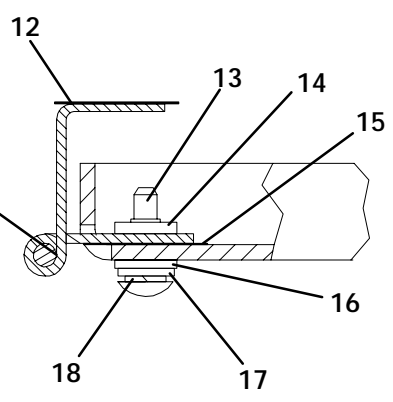
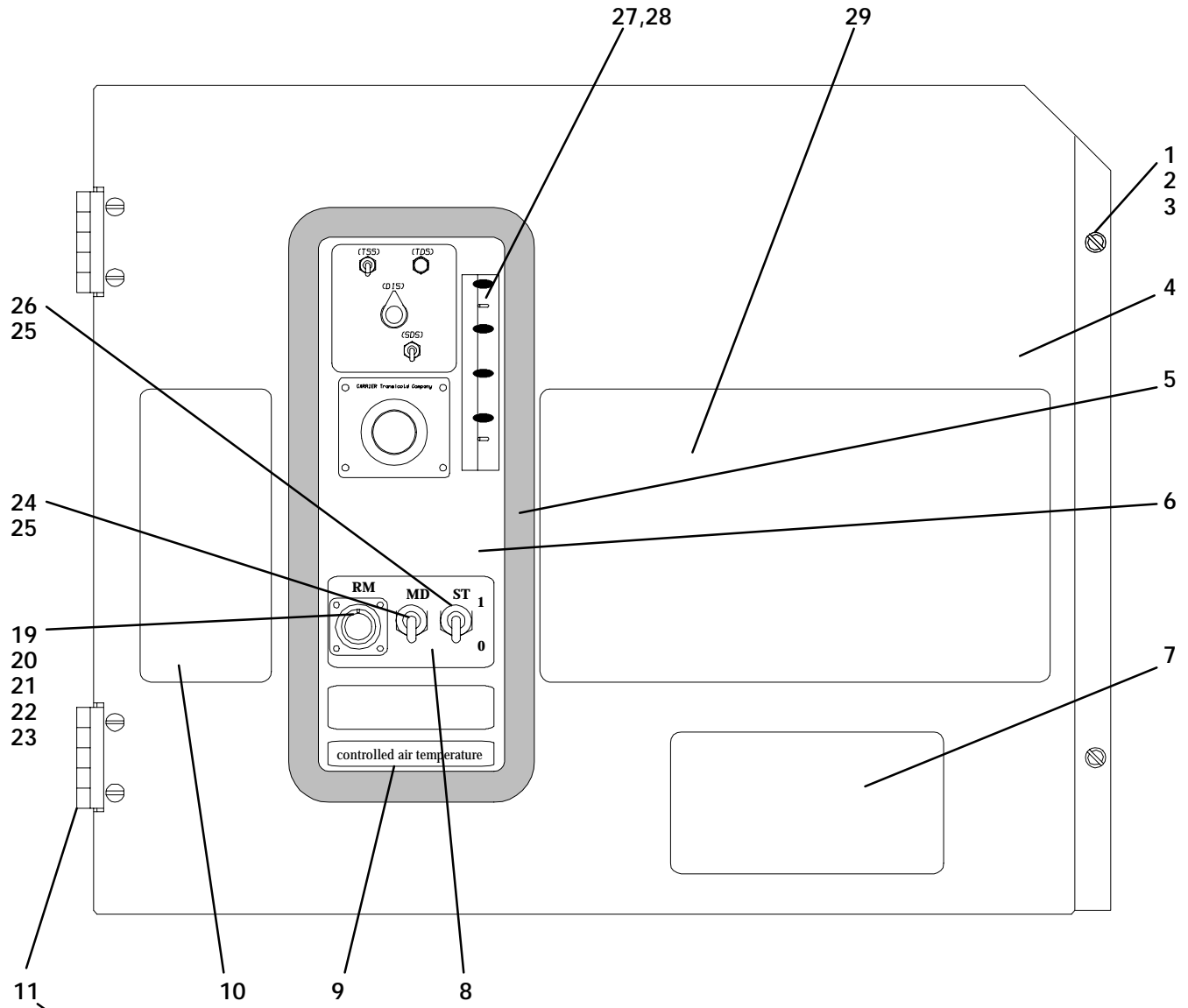
3. REFRIGERATION UNIT ASSEMBLY

3.1 REFRIGERATION UNIT -- FRONT



ITEM	PART NO.	DESCRIPTION	QTY
3.1 REFRIGERATION UNIT -- FRONT			
1	–	Panel, Access & Evaporator Fan Motor – Refer to Section 3.7	–
2	–	Labels and Decals – Refer to Section 3.17	–
3	–	Valve, Thermostatic Expansion (Location) – Refer to Section 3.11	–
4	–	Box, Control – Refer to Sections 3.2 thru 3.4	–
5	–	Coil, Condenser – Refer to Section 3.5	–
6	–	Receiver and Tubing – Refer to Section 3.6	–
7	–	Compressor – Refer to Sections 3.15 & 4	–
8	–	Cables, Power – Refer to Section 3.16	–
9	–	Guard, Compressor – Refer to Section 3.15	–
10	–	Cover, Makeup Air – Refer to Section 3.14	–
11	–	Thermometer, Recording – Refer to Section 3.10	–
12	–	Condenser Fan Motor & Fan – Refer to Section 3.5	–

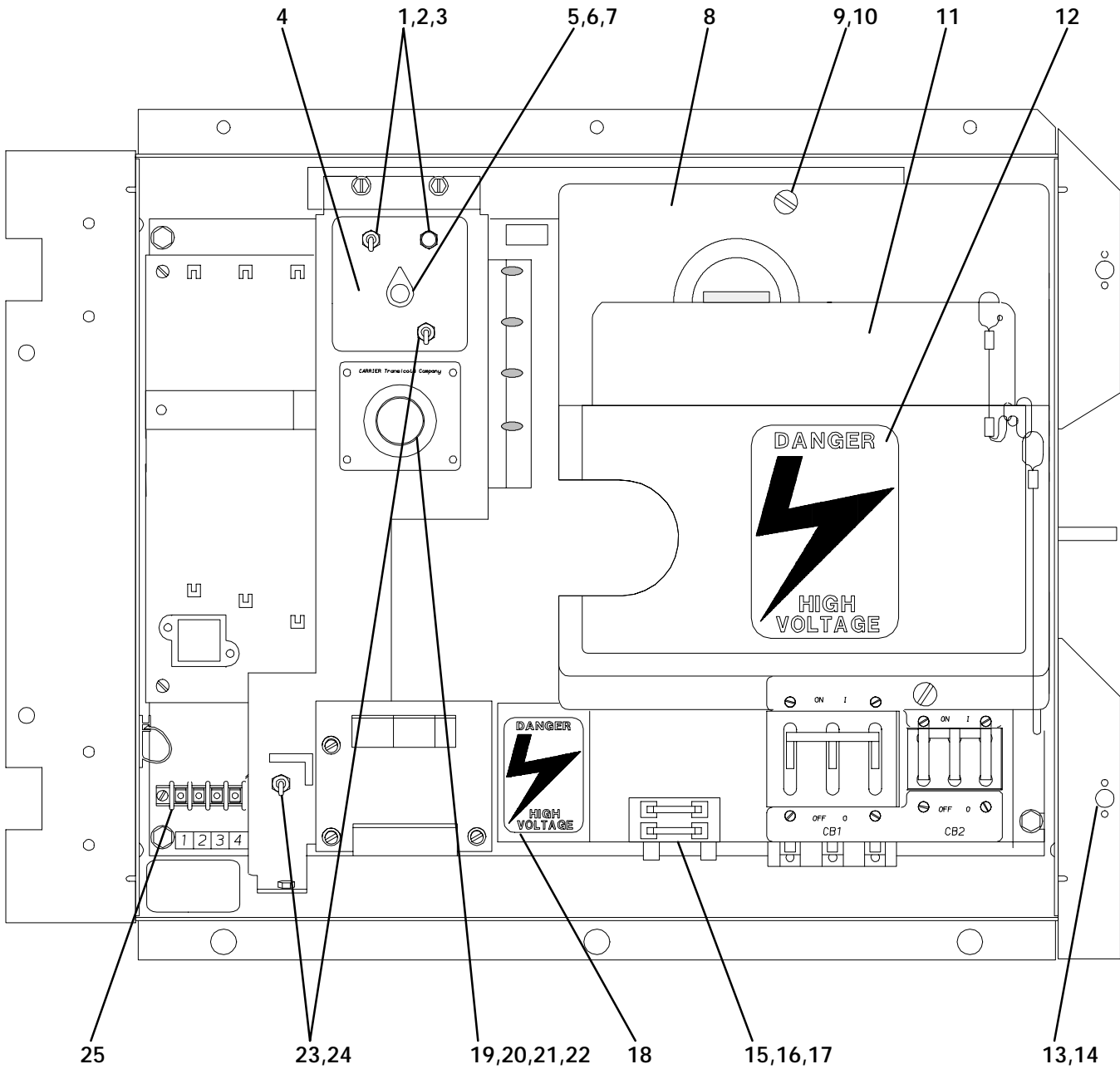
3.2 CONTROL BOX DOOR



HINGE -- SECTIONAL VIEW

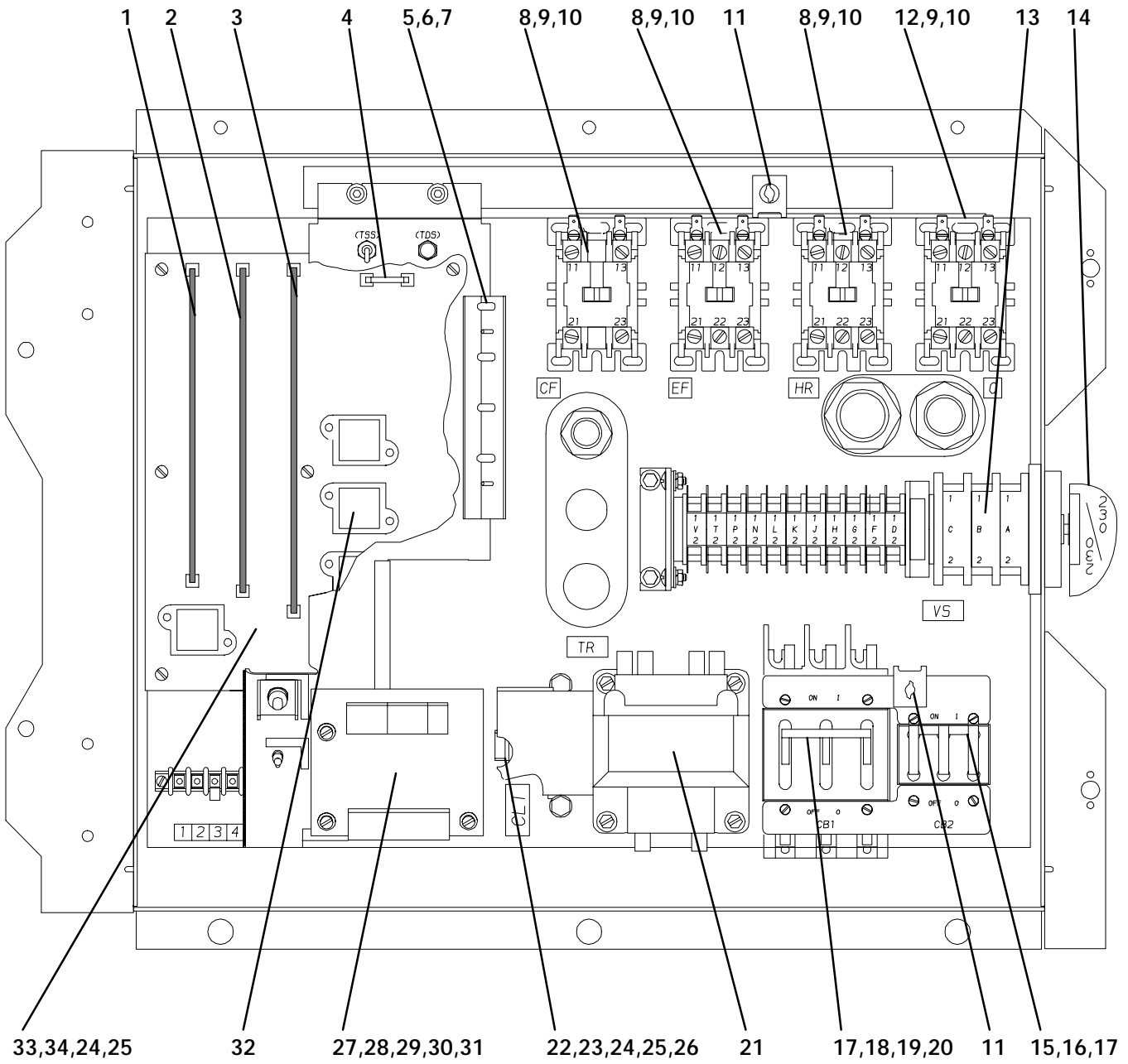
ITEM	PART NO.	DESCRIPTION	QTY
3.2 CONTROL BOX DOOR			
1	66U1-6811-10	Screw, Retaining	2
2	34-01226-00	Washer, Retaining	2
3	34-06053-02	Washer, Mylar, 3/8 ID x 1.00 OD	2
4	69NT40-818-21	Door Assembly – Includes:	1
NS	42-01083-00	Gasket	1
5	58-01180-01F50	Seal Rubber (50 ft, Cut to length)	A/R
6	69NT35-4574	Panel, Switch	1
7	69NT35-3413	Label, CB1, CB2	1
8	69NT35-4013	Label, Switch, (RM, MD, ST)	1
9	69NT35-4002	Label, Controlled Air Temperature (NSI)	1
10	69NT35-3164	Label, Warning	1
11	44-01116-00	Hinge	2
12	58-04101-00	Protector, Mylar	2
13	66U1-2403	Screw, Machine, #10-24 x 1/2 lg – SST (NSI)	4
14	34-01167-01	Plate, Nut	2
15	58-04101-00	Protector, Mylar	2
16	34-06053-05	Washer, Mylar, 1/4 ID x 5/8 OD	4
17	66U1-5321-8	Washer, Flat, #10 – SST (NSI)	4
18	66U1-5331-3	Washer, Lock, #10 – SST (NSI)	4
19	22-02341-00	Receptacle, Remote Monitoring (Plastic) – Optional	1
NS	22-02368-00	Plug, Remote Monitoring – Optional	1
20	66U1-6835	Gasket, Receptacle	1
21	22-02341-01	Cap and Chain (RM)	1
22	34-00848-10	Screw, Round Head, #4-40 x 5/8 lg – SST (NSI)	4
23	34-00667-05	Locknut, #4-40 – SST (NSI)	4
24	10-00221	Switch, Toggle (MDS)	1
25	66U1-9752	Seal, Bushing	2
NS	69NT35-4192	Adapter Strip	1
26	10-00237	Switch, Toggle (On–Off)	1
27	69NT35-1477	Label, Status Indicator (NSI)	1
28	12-01078-03	Indicator, Status (4 Light Bar)	1
29	69NT35-5524	Label, Operating Instruction	1

3.3 CONTROL BOX



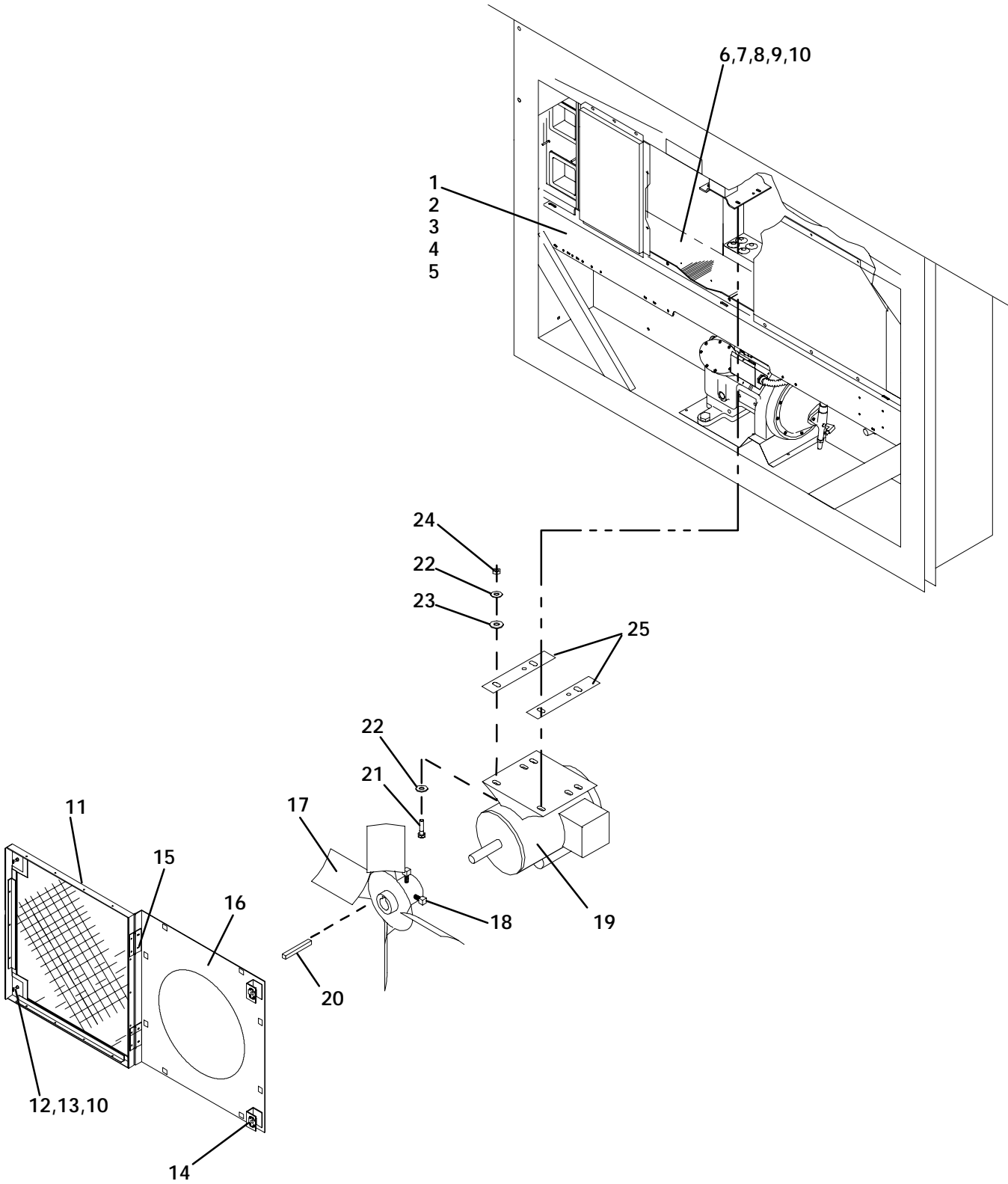
ITEM	PART NO.	DESCRIPTION	QTY
3.3 CONTROL BOX			
1	69NT40-427	Switch Assembly (TDS & TSS) – Includes:	1
NS	NSS	Connector	1
2	10-01142-03	Switch, Push Button (TDS)	1
3	10-01146-01	Switch, Toggle (TSS)	1
4	69NT35-8453	Label, Switch (TSS,SDS,TDS,DIS) (NSI)	1
5	69NT40-437-1	Switch Assembly, Rotary (DIS) – Includes:	1
6	10-01132-01	Switch, Rotary	1
7	66U1-9522	Knob	1
8	69NT35-297-3	Shield, High Voltage – Includes:	1
9	66U1-3442-2	Stud, 1/4 Turn	2
10	66U1-9212-1	Retainer	2
11	69NT20-373-142	Plate Assembly, Schematic & Diagram (NSI)	1
12	66CH1-1022-4	Label, Danger – High Voltage	1
13	34-01142-01	Receptacle	2
14	66U1-6832-4	Rivet, Blind, 1/8 Diameter, Grip Range – 1/32 - 1/8 – SST (NSI)	4
15	22-01324	Fuse Block	1
16	HY10FJ006	Fuse, 6 amp	2
17	66U1-6651-19	Screw, Pan Head, #6-32 x 7/16 lg – SST (NSI)	2
18	69NT35-4172	Label, Danger – High Voltage (NSI)	1
19	22-02249	Temperature Selector (<u>F</u> / <u>C</u>)	1
20	AT39JA101	Nut, Hex, #8-32 - SST (NSI)	4
21	66U1-5331-4	Washer, Lock, #8 – SST (NSI)	8
22	66U1-6651-7	Screw, Pan Head, #8-32 x 3/8 lg – SST (NSI)	8
NS	69NT40-417-3	Switch Assembly (For use with digital display) – Optional – Includes:	1
23	10-01133-02	Switch, Scale Selector (SSS)	1
24	10-01146-03	Switch, Set Temperature Display (SDS)	1
NS	22-02306-01	Plug	1
NS	22-02305-00	Contact, Socket	1
25	22-02352-00	Block, Terminal	1

3.4 CONTROL BOX -- HIGH VOLTAGE SHIELD REMOVED



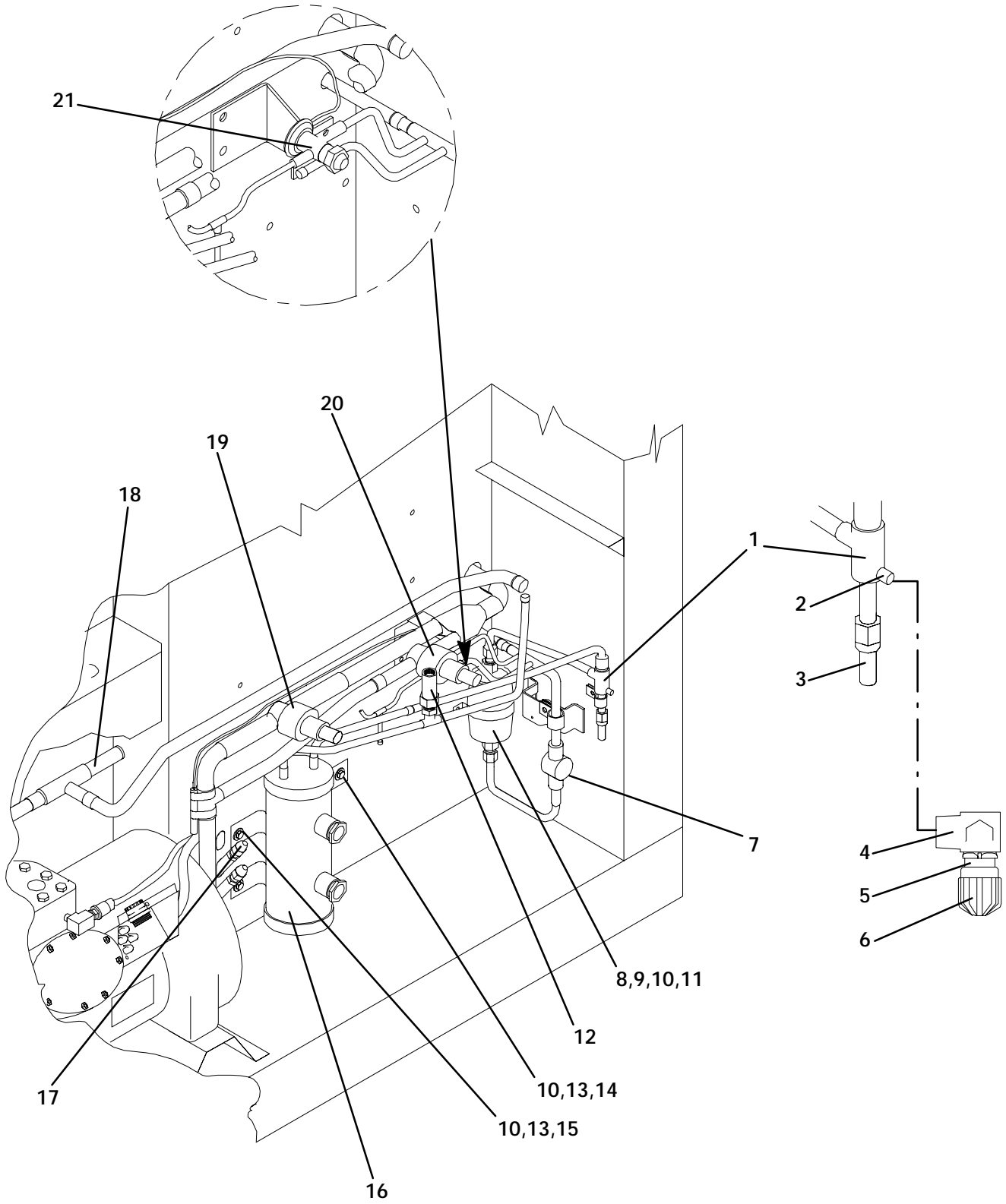
ITEM	PART NO.	DESCRIPTION	QTY
3.4 CONTROL BOX -- HIGH VOLTAGE SHIELD REMOVED			
1	12-01059-10	Board, Power Supply and IRS	1
1	12-01059-30	Board, Power Supply and IRS – Remanufactured	1
2	12-01058-10	Board, Timing and Current Control	1
2	12-01058-30	Board, Timing and Current Control – Remanufactured	1
3	12-01085-00	Board, Temperature Control	1
3	12-01085-20	Board, Temperature Control – Remanufactured	1
4	22-00060-20	Fuse, 3 amp	2
5	–	Indicator, Status – Refer to Section 3.2	–
6	69NT35-6952	Angle, Status Indicator (NSI)	1
7	69NT35-1447	Shield, Status Indicator (NSI)	1
8	10-00304-32	Contact, Condenser/Evaporator Fan Motor and Heater (CF, EF & HR)	3
9	66U1-2403	Screw, Hex Head, #10-24 x 1/2 lg – SST (NSI)	16
10	AU27JR131	Washer, Lock, #10 – SST (NSI)	16
11	66U1-9222	Receptacle	2
12	10-00304-33	Contact, Compressor (C)	1
13	10-00331-00	Voltage Switch	1
14	10-00331-21	Knob – Includes:	1
NS	NSS	Screw, Handle	1
15	10-00277-00	Circuit Breaker – 230 vac, 50 amp (CB2)	1
16	66U1-6651-20	Screw, Pan Head, #6-32 x 5/16 lg – SST	4
17	AU27JR081	Washer, Lock, #6 – SST	4
18	66U1-1723-3	Circuit Breaker – 460 vac (CB2)	1
19	66U1-6651-19	Screw, Pan Head, #6-32 x 7/16 lg – SST (NSI)	4
20	AC39QA163	Screw, Binding Head, 1/4-20 x 5/16 lg – Brass (For Terminals) (NSI)	6
21	66U1-2353	Transformer, Control (TR)	1
22	10-01161-00	Transformer, Current Limiting (CLT) – Optional	1
23	58-00950-00	Cover, Plastic - Transformer Mounting (For use with CLT)	1
24	66U1-5331-4	Washer, Lock, #8 – SST (NSI)	A/R
25	66U1-6651-22	Screw, Pan Head, #8-32 x 3/4 lg – SST (NSI)	A/R
26	AT39JA171	Locknut, Hex Head, 1/4-20 – SST (NSI)	1
27	12-01073-00SV	Display, Digital – Optional	1
27	12-01073-20	Display, Digital – Remanufactured	1
28	69NT40-447-1	Plug, Harness (For Digital Display) – Includes:	1
29	22-02306-00	Plug (6 position)	1
30	58-01181-02	Standoff (For use with digital display)	4
31	58-01181-03	Standoff (For use with digital display)	4
32	10-00220-02	Relay	4
33	22-02269-11	Board, Main Printed Circuit	1
34	66U1-9592-3	Standoff	10
NS	07-50001	Humiseal, 12 oz.	A/R
NS	07-50003-01	Lubricant, Contact	A/R

3.5 CONDENSER FAN MOTOR AND COIL SECTION



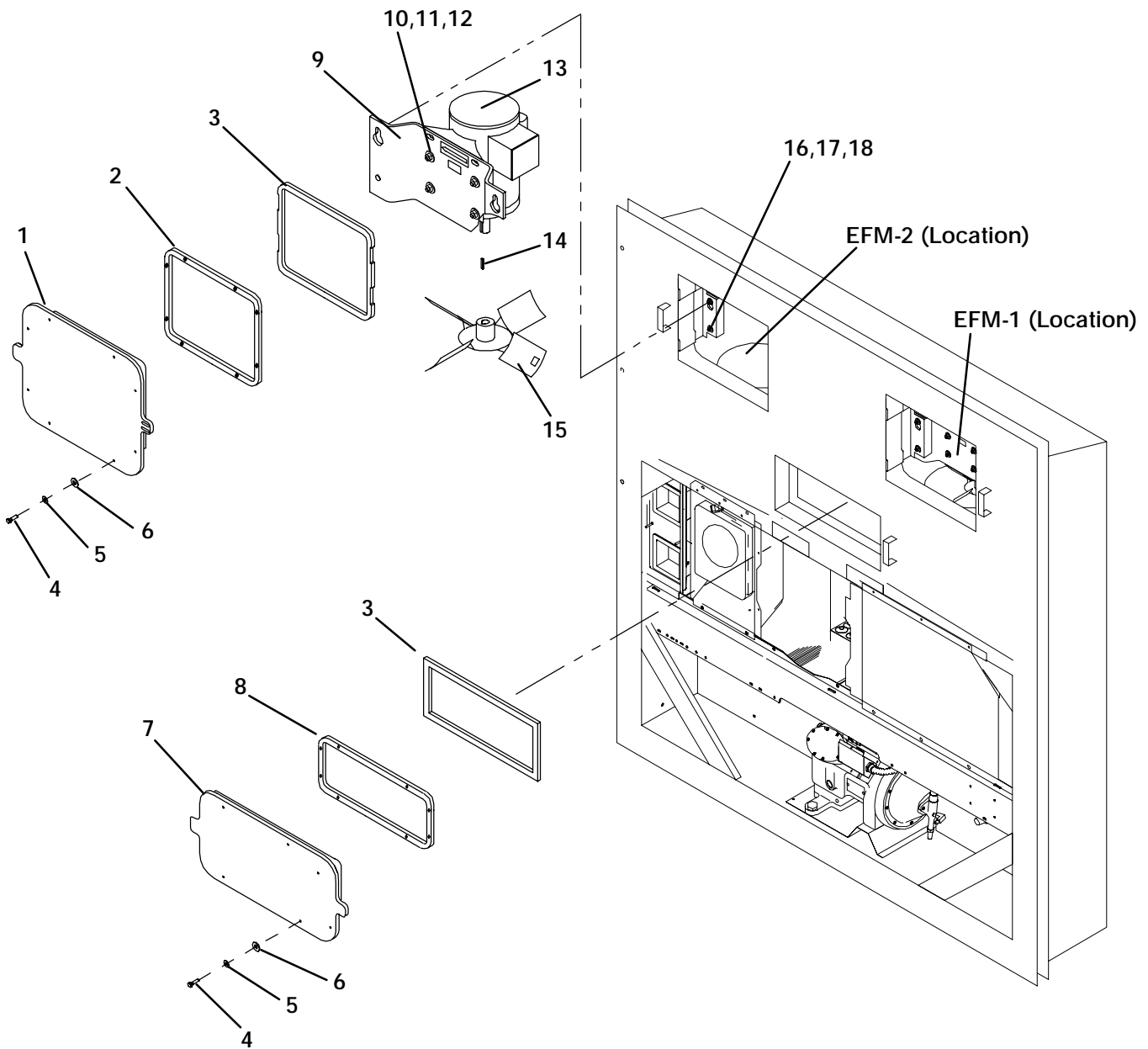
ITEM	PART NO.	DESCRIPTION	QTY
3.5 CONDENSER FAN MOTOR AND COIL SECTION			
1	69NT43-148	Cover, Condenser Coil	1
2	66U1-2403	Screw, Hex Head, #10-24 x 1/2 lg – SST (NSI)	A/R
3	66U1-5321-8	Washer, Flat, #10 – SST (NSI)	A/R
4	69NT35-2692	Washer, Fender, .063 Thick – SST (NSI)	A/R
5	66U1-5331-3	Washer, Lock, #10 – SST (NSI)	A/R
6	69NT42-108-SV	Coil, Condenser – Copper (Includes Mylar washers and protectors)	1
7	66U1-5361-25	Capscrew, Hex Head, 1/4-20 x 3/4 lg – SST (NSI)	11
8	66U1-5321-7	Washer, Flat, 1/4 – SST	11
9	58-50013-02	Washer, Mylar, 1/4 ID x 3/4 OD	A/R
10	58-50013-04	Washer, Mylar, 1/4 ID x 1.00 OD	A/R
NS	34-06053-05	Washer, Mylar, 13/64 ID x 39/64 OD	A/R
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
11	69NT40-847-2	Grille, Condenser – Includes:	1
12	34-01150-04	Stud (1/4 Turn)	2
13	34-01150-30	Washer, Retaining	2
14	34-01150-31	Receptacle	2
15	69NT35-1482	Hinge, Condenser Fan Grille	2
16	69NT40-837-1	Venturi, Condenser Fan	1
NS	66U1-6832-1	Rivet, Blind, 5/32 Diameter, Grip Range–1/8-1/4 – SST (NSI)	A/R
17	38-00142-01	Fan, Condenser – SST – Includes:	1
18	PL	Set Screw, Square Head, 5/16-24 x 5/8 lg – SST	2
19	54-00516-00SV	Motor, Condenser Fan – Includes:	1
NS	04-50020-00	Bearing	2
NS	02-50088-00	Capacitor	1
20	PL	Key, 3/16 Square x 1-3/8 lg – SST	1
21	66U1-5361	Screw, Hex Head/Washer, 5/16-18 x 1.25 – SST	4
22	34-01181-01	Washer, Flat, 5/16 – SST (NSI)	8
23	58-50013-00	Washer, Mylar	
24	34-00667-12	Locknut, 5/16-18 – SST (NSI)	4
25	69NT35-6112	Protector, Condenser Fan Motor Mounting	2

3.6 RECEIVER AND TUBING SECTION



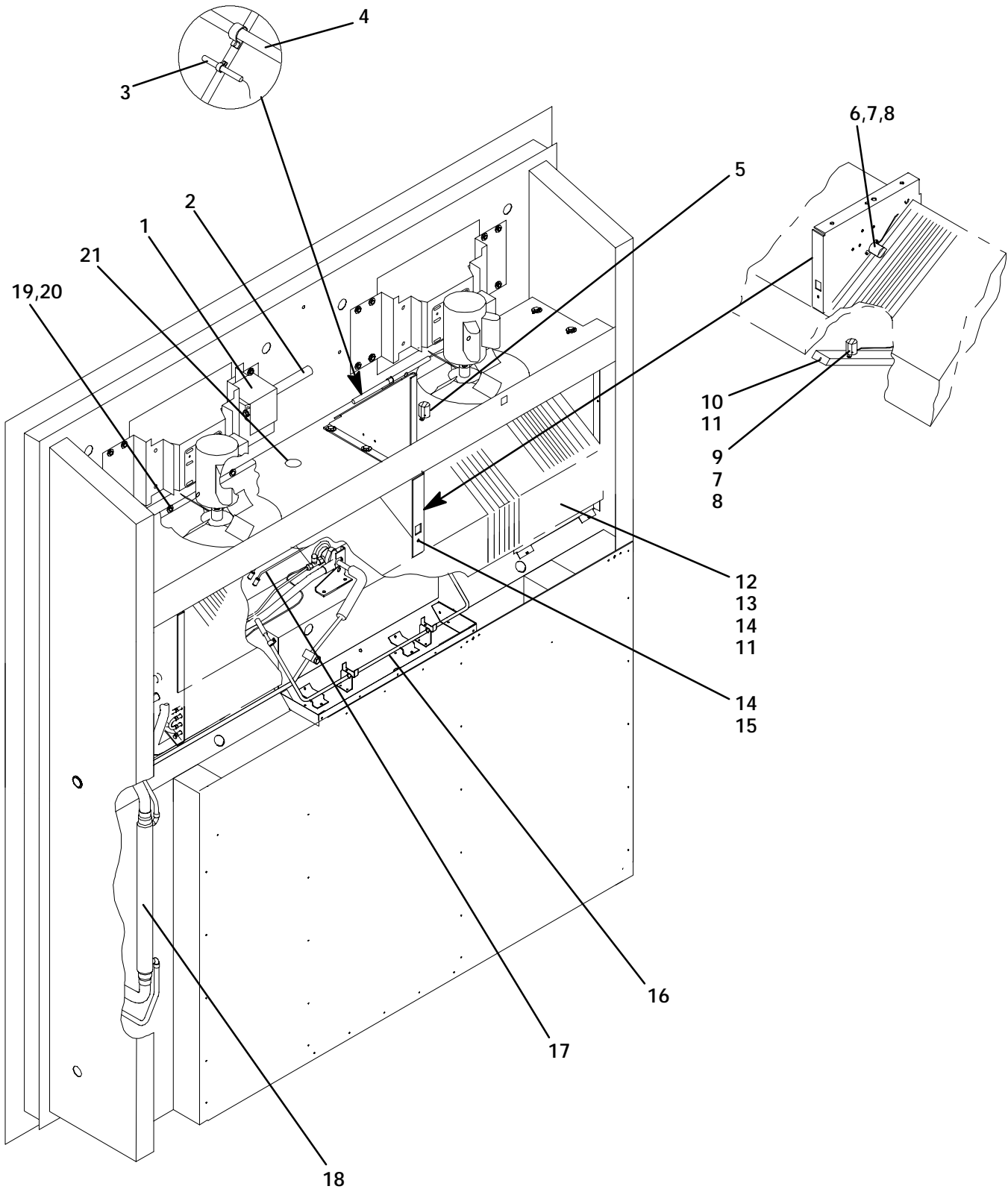
ITEM	PART NO.	DESCRIPTION	QTY
3.6 RECEIVER AND TUBING SECTION			
1	66U1-8552	Valve, Liquid Line – Includes:	1
2	40-00086-04	Cap, Flare – 1/4	1
3	17-21002-01	Cap, Valve	1
4	40-00519-01	Elbow, Swivel, 90_ 1/4 Flare x M15 – Brass	1
5	40-00520-01	Coupling, M15 – Brass – Includes:	1
6	40-00520-03	Cap, Service Port	1
7	14-00202-00	Indicator, Moisture – Liquid (Brass)	1
8	66U1-7472-1	Filter-Drier	1
9	69NP20-1031	Clamp, Filter-Drier – Includes:	1
NS	58-50014-00F16	Gasket, Clamp (16 FT, cut to length)	A/R
10	66U1-5361-25	Screw, Hex Head, 1/4-20 x 3/4 lg – SST (NSI)	2
11	34-06053-03	Washer, Mylar, 1/4 ID x 1.00 OD	2
12	14-00195-03	Valve, High Side Pressure Relief	1
13	66U1-5321-7	Washer, Flat, 1/4 – SST	A/R
14	58-04026-05	Protector	1
15	58-00956-00	Protector, Mylar	2
16	69NT40-937	Receiver (Optional) – Painted Steel – Includes:	1
16	69NT40-977-1	Receiver (Optional) – SST – Includes:	1
NS	14-00111	Glass, Sight	2
17	12-01072-01SV	Sensor, Supply Temperature (STS)	1
18	14-00204-00	Valve, Pressure Regulator	1
19	–	Valve, Modulating Solenoid – Refer to Section 3.11	–
20	–	Valve, Suction Solenoid – Refer to Section 3.12	–
21	14-00189-01	Valve, Quench, Thermostatic Expansion	1

3.7 EVAPORATOR FAN MOTOR AND ACCESS PANEL SECTION



ITEM	PART NO.	DESCRIPTION	QTY
3.7 EVAPORATOR FAN MOTOR AND ACCESS PANEL SECTION			
1	69NT40-908-1	Panel, Access – 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 size)	A/R
4	AA06JA170	Capscrew, Hex Head, 1/4-20 x 1.00 lg – SST	24
5	AN96OC416	Washer, Flat, 1/4 – SST	24
6	58-50013-03	Washer, Mylar, 1/4 ID X 1/2 OD	24
7	69NT40-898-1	Panel, Access – Includes:	1
8	42-01081	Gasket	1
9	69NT35-1173	Bracket, Motor Mount	2
10	66U1-5361	Capscrew, Hex Head, 5/16-18 x 1-1/4 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	54-00507-00	Motor, Evaporator Fan – Includes:	2
NS	04-50021-00	Bearing	2
NS	22-50087-00	Capacitor	1
14	PL	Key, 3/16 x 3/16 x 1-3/8 lg – SST	2
15	38-00126	Fan, Evaporator (EFM-1) – Includes:	1
15	38-00125	Fan, Evaporator (EFM-2) – 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

3.8 EVAPORATOR COIL SECTION -- REAR PANELS REMOVED

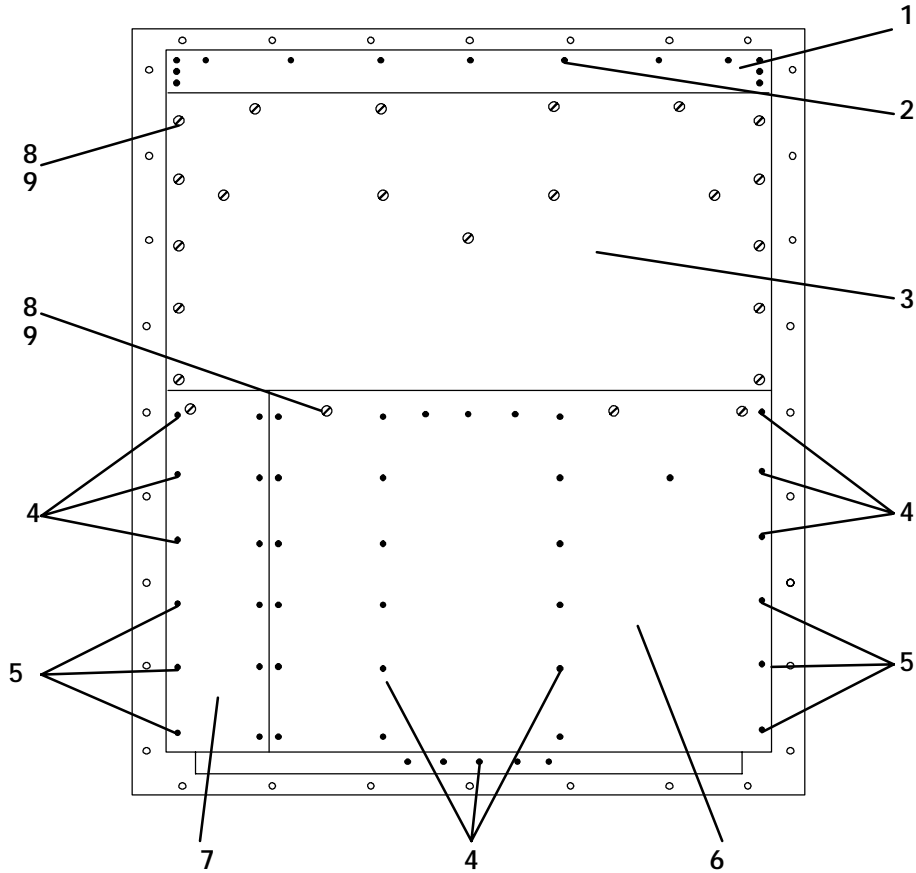


ITEM	PART NO.	DESCRIPTION	QTY
3.8 EVAPORATOR COIL SECTION -- REAR PANELS REMOVED			
1	69NT20-553	Shield Assembly, Rain – Humidistat (NSI) – Optional	1
2	12-01066	Humidistat (HCS) – Optional	1
3	12-01072-01SV	Sensor, Thermistor (RTS)	1
4	–	Sensor, Thermistor – Temp. Recorder (Refer to Section 3.10)	–
5	12-01063	Thermostat, Suction Solenoid	1
6	66U1-6912-8	Thermostat, Defrost Termination, 75_F (24_C) (DTT)	1
7	34-01178-22	Capscrew, Hex Head, #8-32 x 1/2 lg – SST (NSI)	4
8	66U1-5331-4	Washer, Lock, #8 – SST (NSI)	4
9	66U1-6912-7	Thermostat, Heat Termination, 130_F (54_C) (HTT)	1
10	AA06JA166	Capscrew, Hex Head, 1/4-20 x 1/2 lg – SST (NSI)	1
11	34-00667-11	Washer, Lock, 1/4 – SST (NSI)	9
*12	69NT42-968-1	Coil, Evaporator	1
NS	69NT35-6522	Retainer	1
13	66U1-5361-25	Screw, Hex Head, 1/4-20 x 3/4 lg – SST (NSI)	9
14	66U1-5321-7	Washer, Flat, 1/4 – SST	6
15	66U1-7452-3	Screw, Lag, Hex Head, 1/4-10 x 2.00 lg – SST	6
16	24-00003	Heater, Drain Pan (DPH)	1
17	66U1-2683-4	Heaters, Evaporator Coil	4
NS	69NT35-6532	Clip, Heater	4
18	65-00144-00	Exchanger, Heat	1
19	34-00655-10	Capscrew, Hex Head, 1/4-20 x 1-1/4 lg – SST (NSI)	4
20	69NT35-2692-1	Washer, Fender, 1/4 x 1/16 thick – SST (NSI)	4
21	58-00616-00	Plug, Hole, Nylon – Black (For 2.00 Dia. hole located on fan deck)	A/R

* **Note:** Does not include thermostats or heaters.

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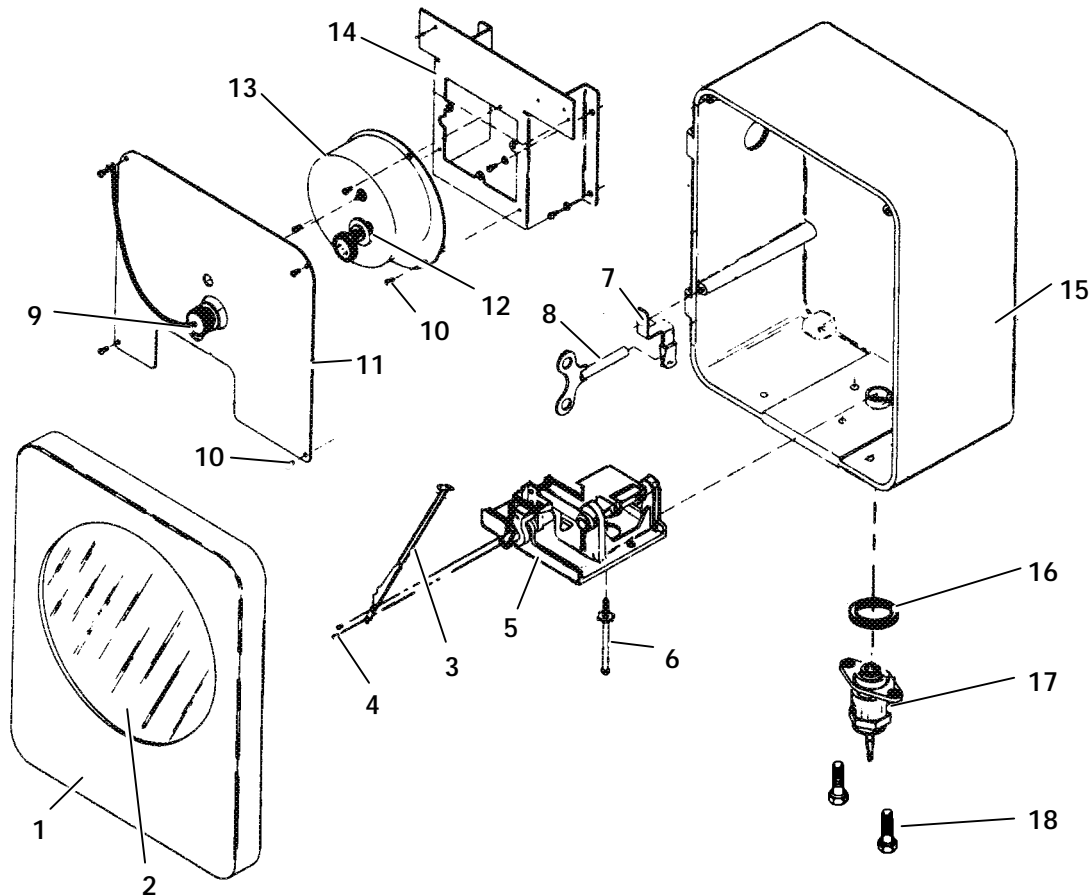
3.9 EVAPORATOR COIL SECTION -- REAR PANELS ATTACHED



1	69NT40-614	Grille, Top	1
2	66U1-6832-1	Rivet, Blind, 5/16 Diameter, Grip Range – 1/8-1/4 (NSI)	A/R
3	69NT40-624-4	Panel Assembly, Upper – Includes:	1
NS	NSS	Drain Pan, Side	2
NS	NSS	Drain Pan, Center	1
4	66U1-6832-6	Rivet, Blind, 1/4 Diameter, Grip Range – 1/8-3/16 (NSI)	A/R
5	66U1-6832-3	Rivet, Blind, 1/4 Diameter, Grip Range – 3/16-1/4 (NSI)	A/R
6	69NT35-9744-3	Panel, Bottom	1
7	69NT35-9744-2	Panel, Bottom, Left-hand Side	1
8	66U1-2403	Screw, Machine, Truss Head, #10-24 x 1/2 lg – SST (NSI)	19
9	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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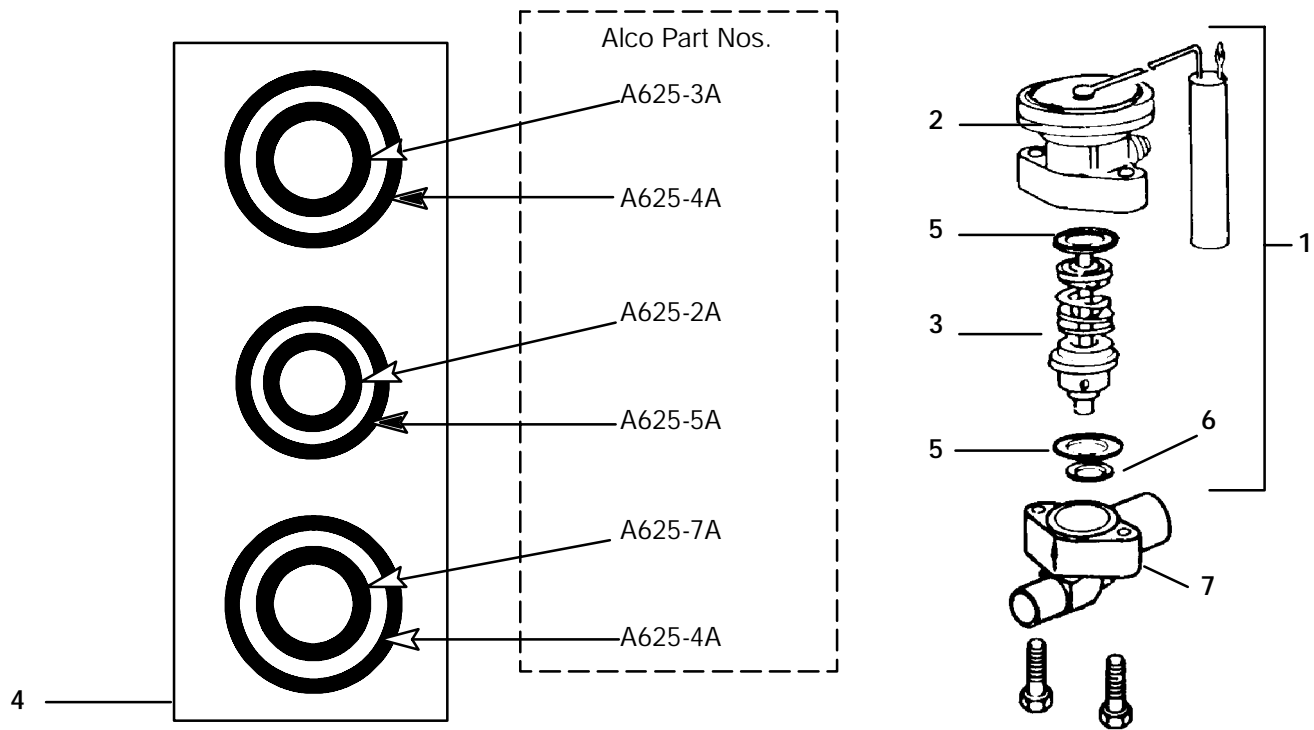
3.10 RECORDING THERMOMETER (PARTFLOW)



-	12-01076-00	Recording Thermometer – Includes:	-
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	Stylus Kit – Includes:	1
4	NSS	Screw, Round Head, #2-56 x 3/16 lg	2
5	09-00147	Mechanism Assembly	1
6	09-00112	Push Rod (Includes Setscrews)	1
7	09-00115	Clip, Key Mounting	1
8	09-00114	Key, Clock Winding	1
9	09-00119	Nut and Chain, Chart (Sonceboz Clock)	1
9	09-00180-00	Nut and Chain, Chart (Gluck Clock)	1
10	PL	Screw, Round Head #6-32 x 5/16	7
11	09-00116	Platen, Chart	1
12	09-00118	Flange, Chart Drive (Sonceboz)	1
12	09-00180-01	Flange, Chart Drive (Gluck)	1
13	09-00123	Clock, 31 Day, CCW (Counterclockwise)	1
14	09-00132	Stand, Mounting, Chart Drive	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 Thermister 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

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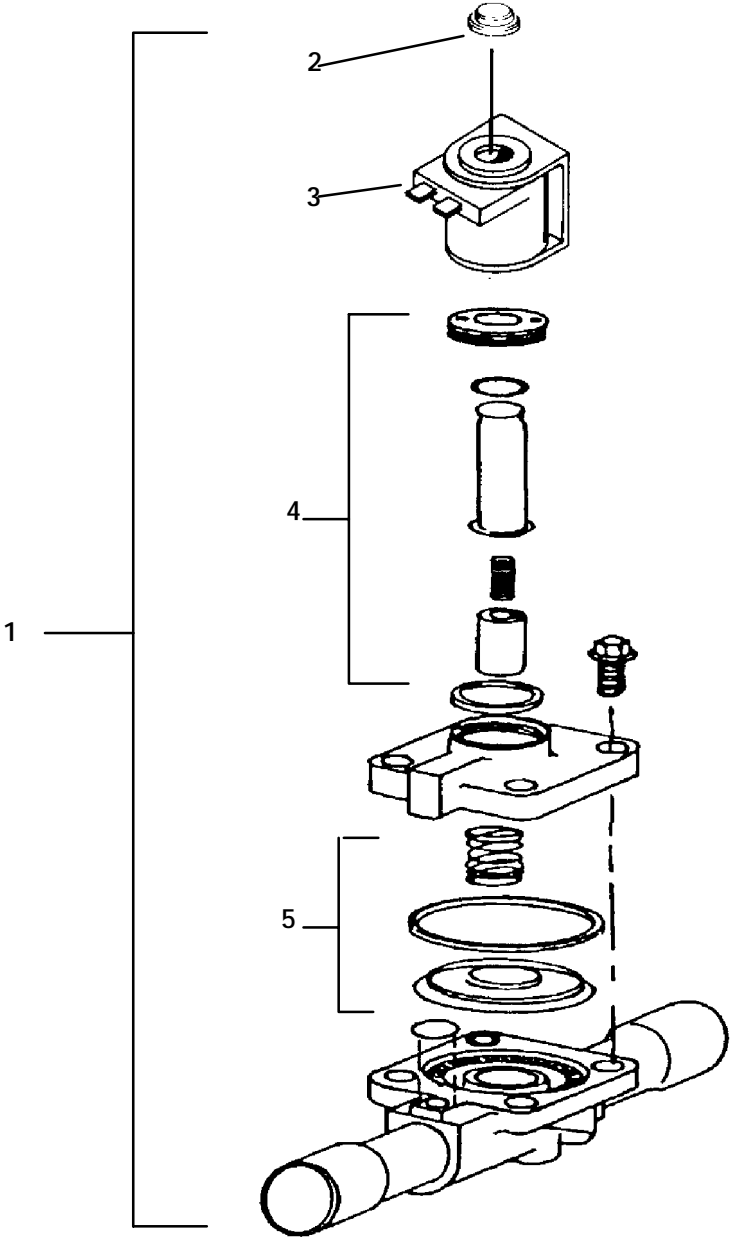
3.11 THERMOSTATIC EXPANSION VALVE -- Alco



1	14-01104-12	Kit, Repair – 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
NS	40-00529-00	Coupling, M8 – Brass – Includes:	1
NS	40-00520-02	Cap, Service Port	1

ITEM	PART NO.	DESCRIPTION	QTY
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3.12 SUCTION SOLENOID VALVE

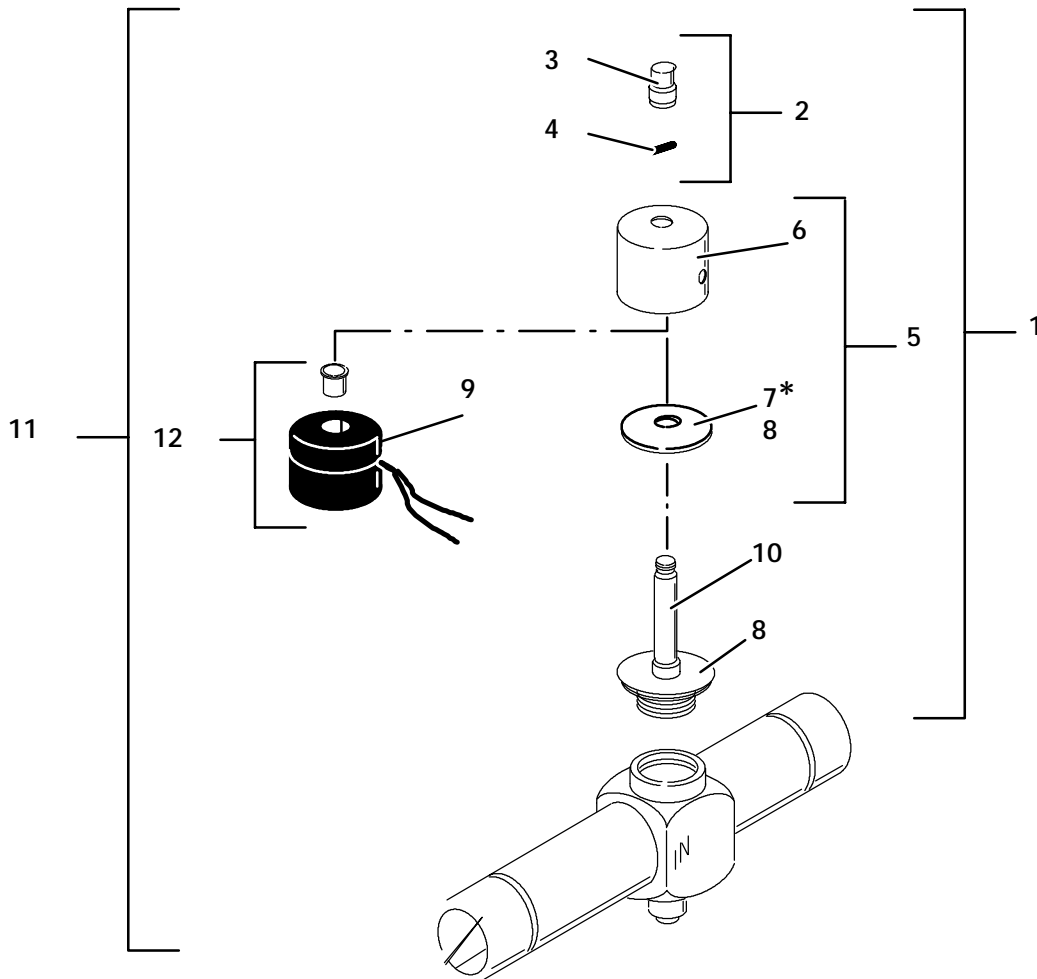


ALCO

1	14-00192-00	Solenoid Valve, Suction – Includes:	1
2	17-40408-02	Cap, Snap	1
3	14-50027-00	Coil	1
4	14-50025-00	Kit, Repair	1
5	14-50026-00	Kit, Repair Diaphragm	1

ITEM	PART NO.	DESCRIPTION	QTY
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3.13 SUCTION MODULATION VALVE

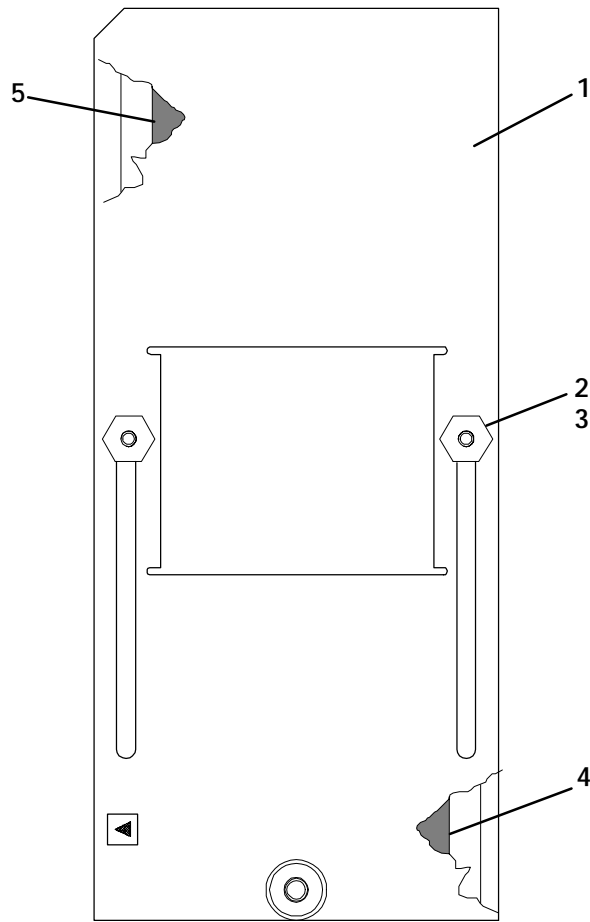


1	14-50021-01	Kit, Enclosing Tube & Coil Housing – Includes:	1
2	14-50021-03	Nut, Coil – Includes:	1
3	NSS	Nut, Coil	1
4	NSS	O-Ring, Coil Nut	1
5	14-50021-04	Housing, Coil – Includes:	1
6	NSS	Housing, Coil	1
*7	NSS	Plate, Coil Bottom	1
8	NSS	O-Ring, Coil Bottom Plate	1
9	NSS	Sleeve, Solenoid Coil	1
10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

* NOTE: Item 7, 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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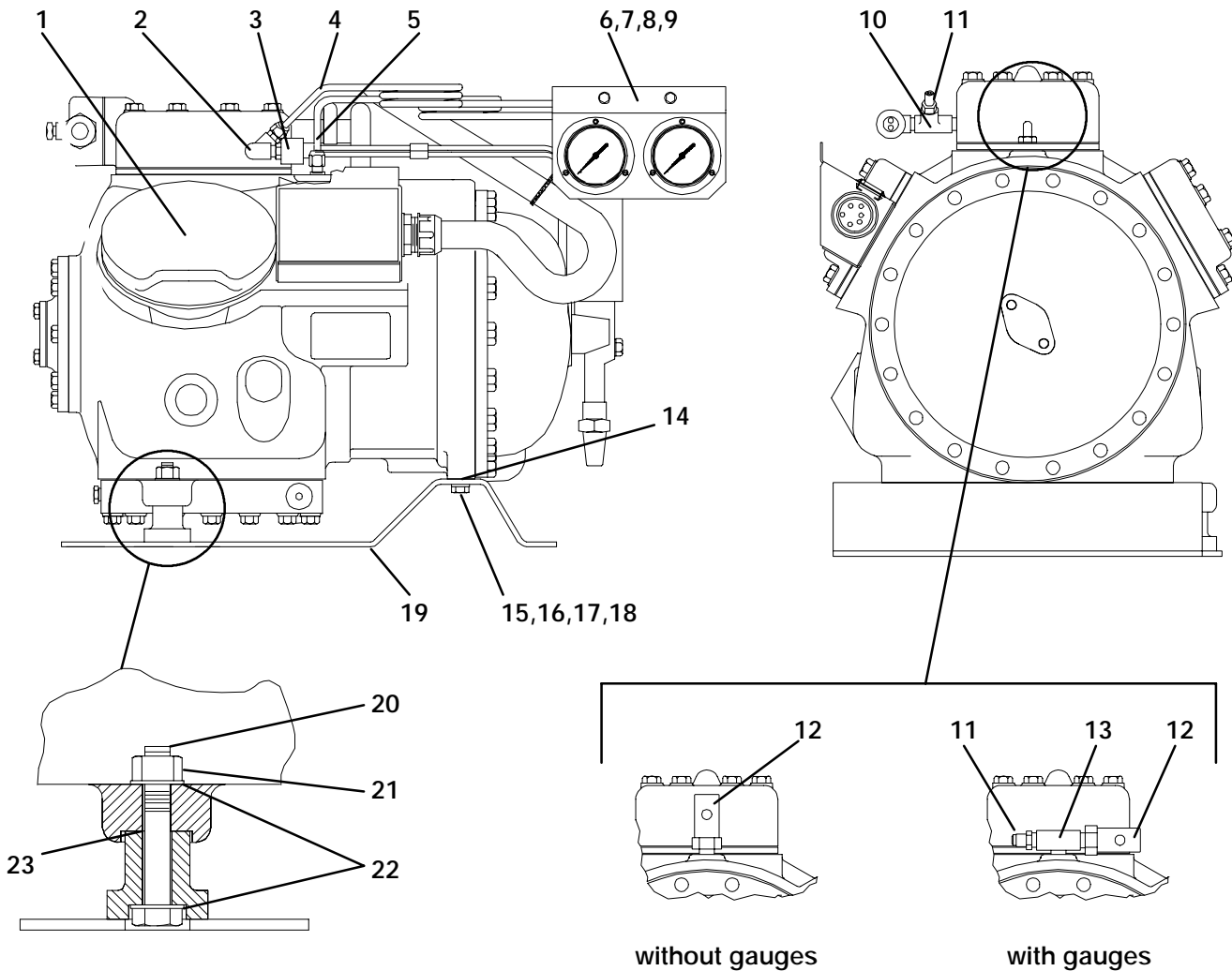
3.14 MAKEUP AIR COVER



69NT40-976

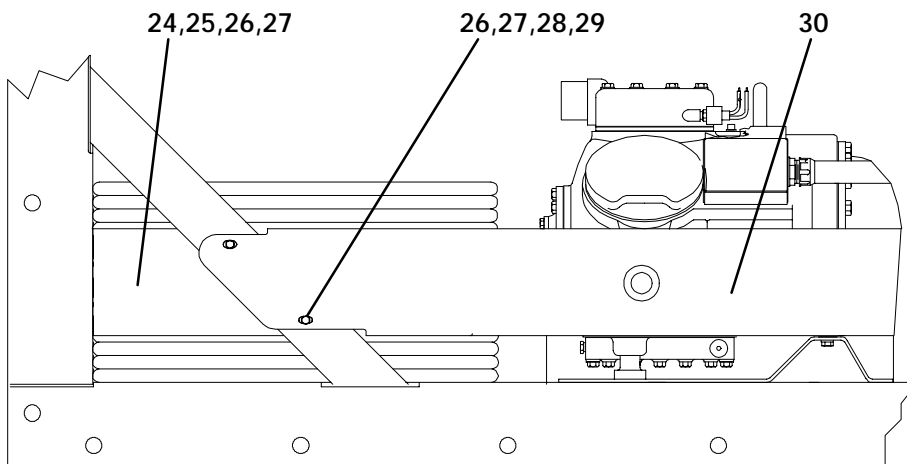
1	69NT40-976	Cover, Makeup Air – Includes:	1
2	66U1-5321-7	Washer, Flat, 1/4 – SST	1
3	34-06092-00	Nut, Hex, 1/4-20 UNC-2B – SST (NSI)	1
4	69NT35-2322-5	Gasket, Cover (NSI)	1
5	69NT35-2322-10	Gasket, Cover (NSI)	1

3.15 COMPRESSOR MOUNTING AND GAUGES



COMPRESSOR FOOT CUTAWAY VIEW

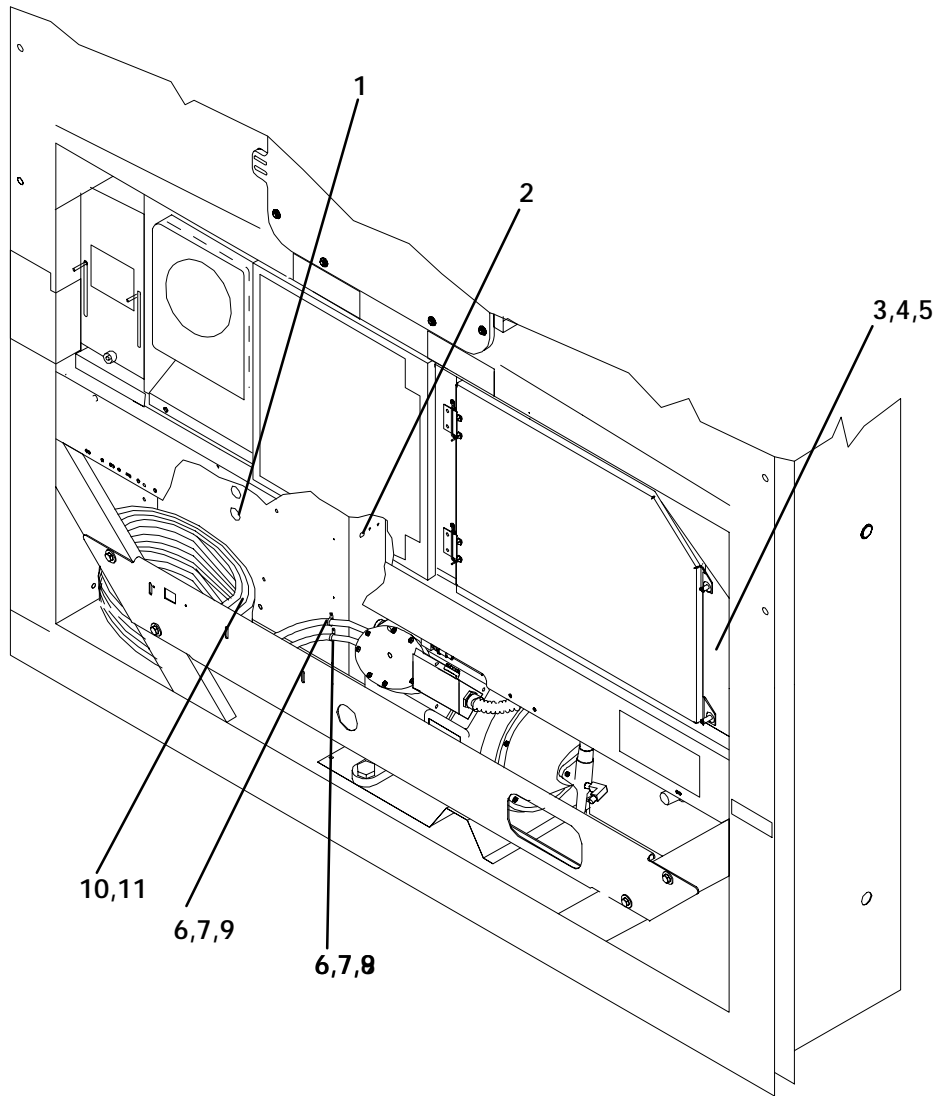
CENTER CYLINDER HEAD VIEW



UNIT SECTIONAL VIEW

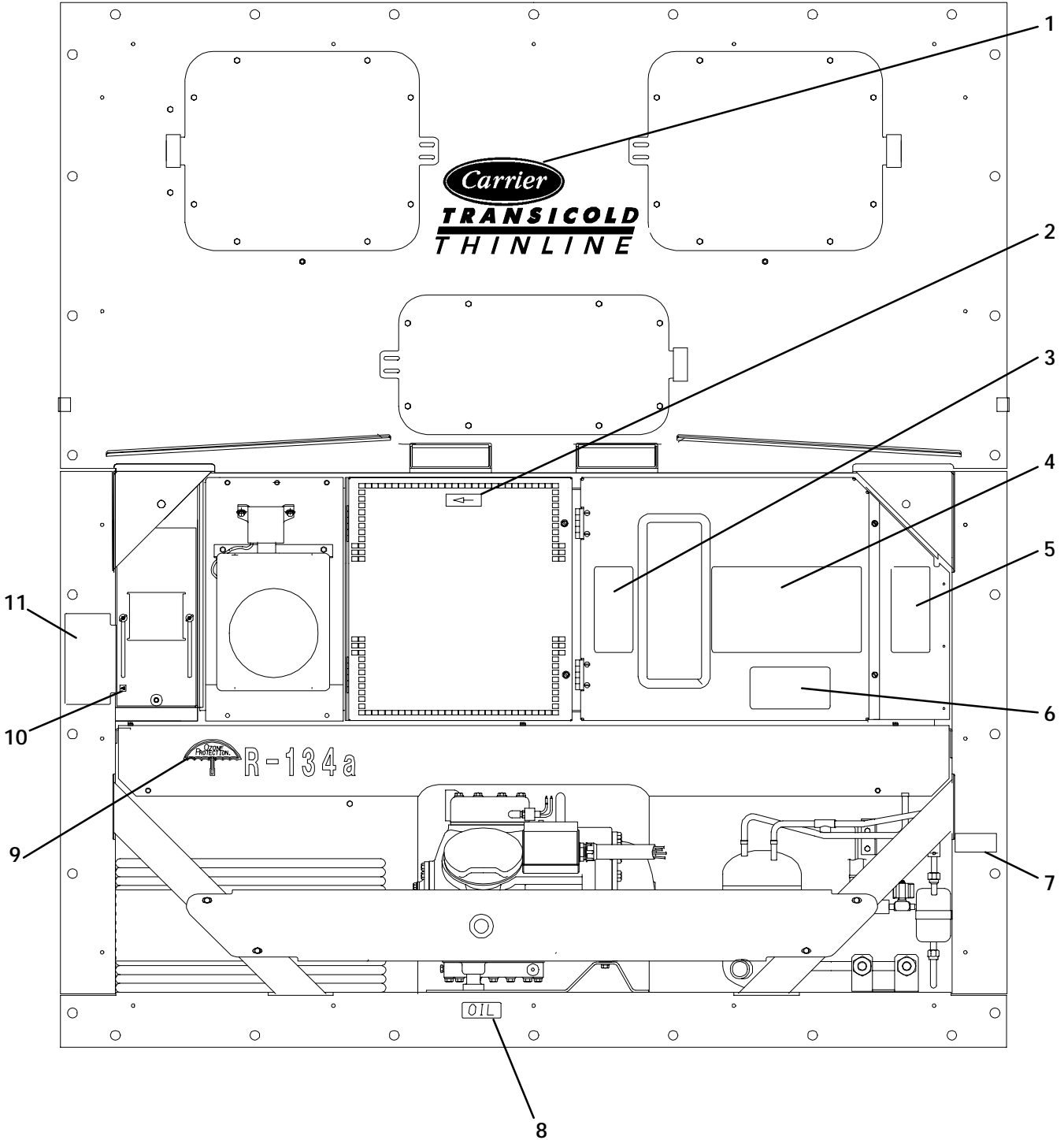
ITEM	PART NO.	DESCRIPTION	QTY
3.15 COMPRESSOR MOUNTING AND GAUGES			
1	-	Compressor – Refer to Section 4	-
2	14-01093-00	Snubber Assembly	1
3	66U1-6942-6	Switch, High Pressure	1
4	69NT41-543	Tube Assembly, High Pressure	1
5	69NT41-303-2	Tube Assembly, Low Pressure	1
6	69NT40-942	Stiffener Assembly	1
NS	66U1-5381-1	Screw, Hex Head, #10-24 x 3/4 lg – SST	2
NS	66U1-5321-8	Washer, Flat, #10 – SST (NSI)	2
7	69NT40-912	Bracket Assembly, Gauge – Optional	1
8	12-01124-01	Gauge, Suction Pressure – Optional	1
9	12-01125-01	Gauge, Discharge Pressure – Optional	1
10	CA21JA051	Tee, 1/4 NPT (NSI)	1
11	06DA403-844	Valve Assembly, Core, Check – Brass	2
12	14-00195-02	Valve, Low Side Pressure Relief	1
NS	-	Valve, High Side Pressure Relief – Refer to Section 3.6	-
13	40-00249-01	Tee, Male, 1/4 fpt x 1/4 fpt x 1/4 mpt – Brass (NSI)	1
14	69NT35-6132	Protector (Compressor to Compressor Base)	1
15	AU11JR241	Washer, Lock, 3/8 – SST	2
16	AA06JA232	Capscrew, Hex Head, 3/8-16 x 1-1/4 lg – SST (NSI)	2
17	34-00829-13	Washer, Flat, 3/8 – SST	2
18	58-50013-00	Washer, Mylar, 3/8 ID x 1.00 OD	2
19	69NT43-108	Base, Compressor	1
NS	66U1-5361-7	Bolt, Hex Head, 3/8-16 x 1.00 lg – SST (NSI)	7
NS	66U1-5321-5	Washer, Flat, 3/8 – SST (NSI)	7
NS	AU11JR241	Washer, Lock, 3/8 – SST	7
NS	58-50013-00	Washer, Mylar, 3/8 ID x 1.00 OD	7
20	66U1-5361-3	Capscrew, 7/16-14 x 2-3/4 lg – SST (NSI)	2
21	34-00667-14	Locknut, 7/16-14 – SST (NSI)	2
22	66U1-5321	Washer, Flat, 7/16 – SST	4
23	58-50013-01	Washer, Mylar, 1/2 ID x 1-1/8 OD	2
24	69NT35-3573	Panel, Guard (NSI)	1
25	66U1-5371-14	Screw, Hex Head, 1/4-20 x 3/4 lg – SST (NSI)	1
26	58-50013-02	Washer, Mylar, 3/8 ID x 1-1/4 OD	A/R
27	66U1-5321-7	Washer, Flat, 1/4 – SST	A/R
28	66U1-5361-11	Capscrew, Hex Head, 1/4-20 x 1-1/2 lg – SST (NSI)	A/R
29	34-00667-11	Locknut, Hex Head, 1/4-20 – SST (NSI)	A/R
30	69NT35-3104-1	Guard, Compressor	1
NS	07-00292-00	Oil, Compressor (Quart)	A/R

3.16 VOLTAGE OPTION



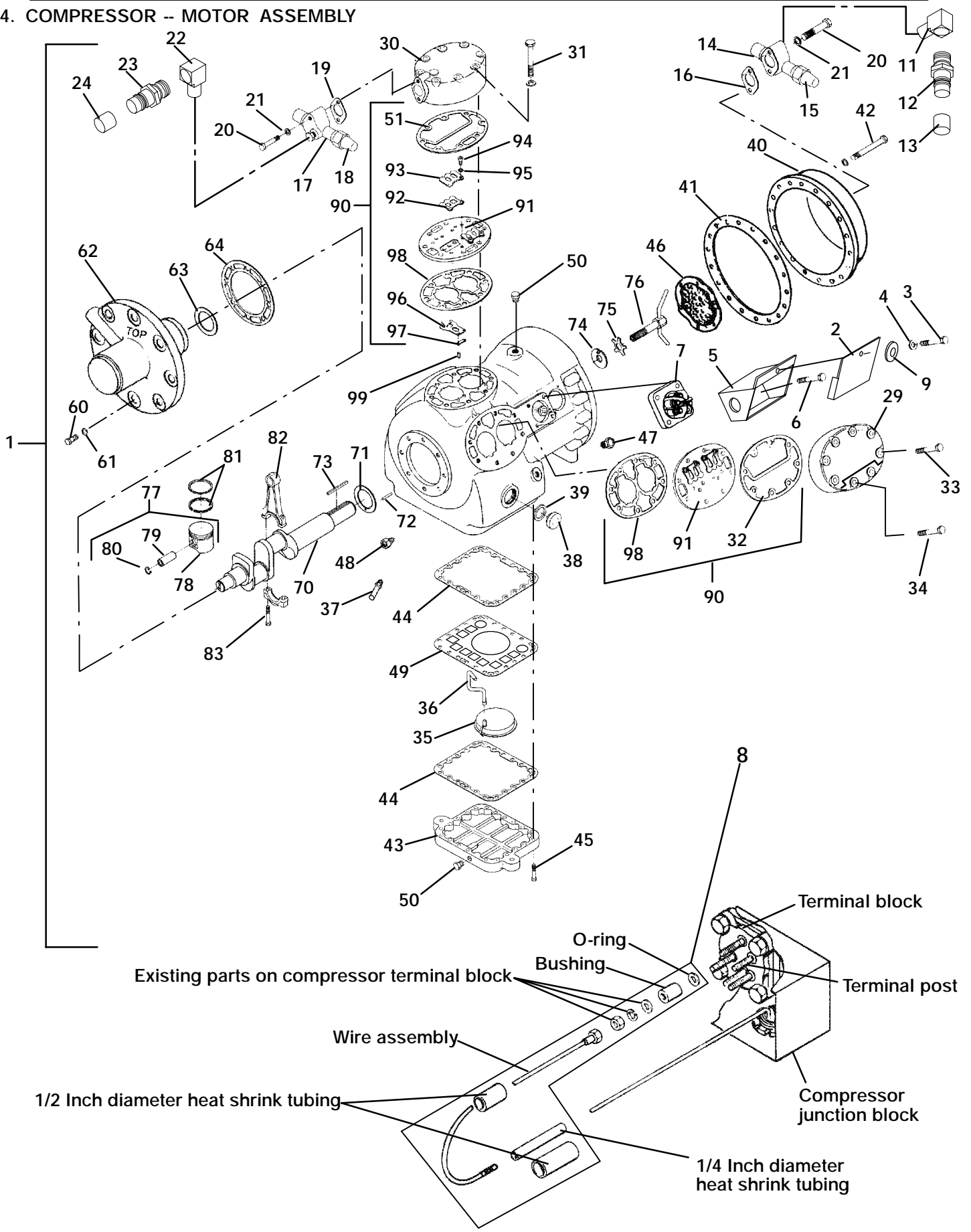
ITEM	PART NO.	DESCRIPTION	QTY
3.16 VOLTAGE OPTION			
1	58-01214-00	Plug, Hole, Dupont Zytel – Black (For 3/8 to 13/32 diameter hole)	A/R
2	58-01213-00	Plug, Hole, Nylon – Black (For 1/4 diameter hole in doghouse wall)	A/R
3	69NT35-3253-SV	Cover, Voltage Selector Switch – Includes:	1
4	66U1-2803	Hinge (Cut to length)	1
5	66U1-9102-2	Rivet, Hollow, 3/32 Diameter, Grip Range – 5/16 - 3/8 – SST	3
6	66U1-5381-1	Screw, Hex Head, Thread Cutting, #10-24 x 3/4 lg – SST	2
7	58-50013-04	Washer, Mylar, 0.25 ID x 1.00 OD	2
8	34-00373-11	Clamp, Cushioned, Tube, 7/8 OD	1
9	34-00373-59	Clamp, Cushioned, Tube, 3/4 OD	1
10	66U1-9782-1	Cable, Power (460 vac, Extra Heavy Duty -- Black) (NSI)	1
11	22-02378-00	Plug, Power (460 vac) -- MENNEKES	1
NS	22-02324-01	Bushing (for P/N 22-02378-00) (NSI)	4

3.17 LABELS AND DECALS



ITEM	PART NO.	DESCRIPTION	QTY
3.17 LABELS AND DECALS			
1	62-02531-00	Decal, Carrier Transicold	1
2	66U1-8912	Label, Direction Arrow	1
3	-	Label, Fan Warning – Refer to Section 3.2	-
4	-	Label, Operating Instruction (NSI) – Refer to Section 3.2	-
5	69NT35-8143	Label, Voltage Selector (VS) (NSI)	1
6	-	Label, CB1, CB2 – Refer to Section 3.2	-
7	62-02444-01	Label, Charge with R-134a Only (NSI)	1
8	62-02458-00	Label, POE Compressor Oil	1
9	62-02530-00	Label, R-134a – Ozone Protection (NSI)	1
10	66CH1-1002-33	Label, Arrow (NSI)	1
11	69NT35-5323	Label, Air Exchange (NSI)	1
NS	-	Plate Assembly, Schematic & Diagram – Refer to Section 3.3	-

4. COMPRESSOR -- MOTOR ASSEMBLY

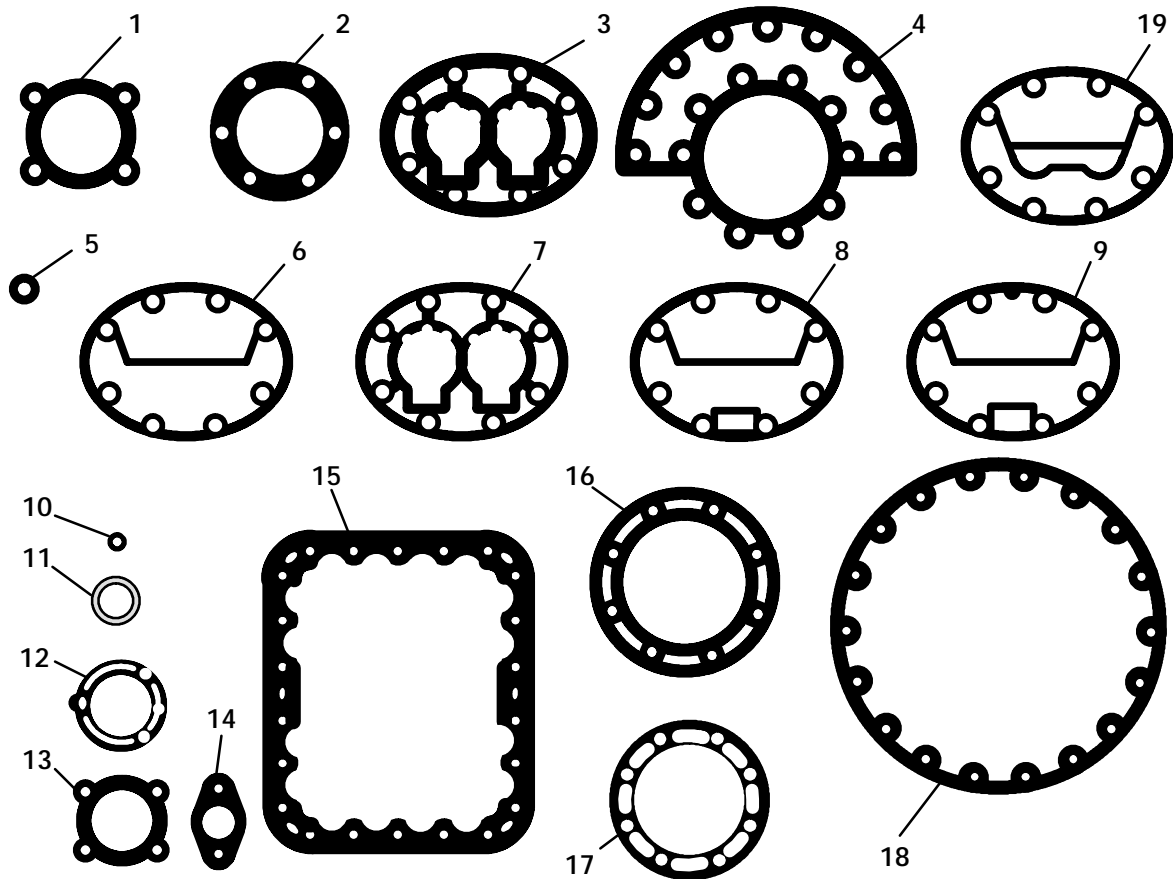


ITEM	PART NO.	DESCRIPTION	QTY
4.1 SERVICE REPLACEMENT COMPRESSOR			
1	18-00048-21SV	Compressor, 41 CFM, 230/460 vac/3 ph/60 hz	1
NOTE			
The Service Replacement Motor – Compressor is sold without terminal box and cover, and without shut-off valves (but with valve pads). Customer should retain the original terminal box and valves for use on replacement compressor.			
4.2 TERMINAL MOUNTING AND JUNCTION BOX GROUP			
2	69NT20-2083	Cover, Junction Box	1
3	66U1-2403	Screw, Hex Head, #10-24 x 1/2 lg (cover to box)	2
4	66U1-5331-3	Washer, Lock, #10 (cover to box) (NSI)	2
5	69NT20-513-SV	Box, Junction (Located on Front of Compressor) – Includes:	1
5	69NT20-513-1SV	Box, Junction (Located on Back of Compressor) – Includes:	1
2	69NT20-2083	Cover, Junction Box	1
6	AD61JA124	Screw, Pan Head, #10-32 x 3/8 lg (box to compressor) (NSI)	2
7	17-40093-02	Terminal, Compressor (5 Terminals)	1
7	17-40093-01	Terminal, Compressor (6 Terminals)	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
4.3 SERVICE VALVE GROUP			
11	40-00524-00	Elbow, 1/4 NPTF x M13 – Brass	1
12	40-00520-00	Coupling, M13 – Brass – Includes:	1
13	40-00520-02	Cap, Service Port	1
14	14-01042-03	Valve, Suction Shut-Off, 1-1/8 ODS – Includes:	1
15	17-10812-00	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	17-10812-00	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
22	40-00524-01	Elbow, 1/8 NPTF x M15 – Brass	1
23	40-00520-01	Coupling, M15 – Brass – Includes:	1
24	40-00520-03	Cap, Service Port	1
4.4 COMPRESSOR -- MOTOR BODY GROUP			
NS	–	Gasket Set (Refer to Section 4.8)	
29	17-21040	Head, Cylinder – Side Bank (Shaved Head)	2
30	17-40016-01	Head, Cylinder – Center Bank	1
31	17-40018	Screw, Hex Head – Center Head, 3/8-16 x 3.00 lg – SAE Grade 5	8
32	17-55001	Gasket, Cylinder Head (Side Bank)	2
33	17-40034-05	Screw, Hex Head, 3/8-16 x 2.00 lg – SAE Grade 5	12
34	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
37	17-44011	Valve, Oil Relief	1
38	17-10218	Sight Glass Package, Oil Level – Includes:	1
39	17-10218-02	Gasket, Sight Glass	1
40	17-20004	Cover, Motor End (NSI)	1
41	17-40029-05	Gasket, Motor End Cover	1
42	34-00306-10	Screw, Hex Head, 7/16-14 x 1-1/4 lg – SAE Grade 5 (NSI)	18

ITEM	PART NO.	DESCRIPTION	QTY
4.4 COMPRESSOR -- MOTOR BODY GROUP (CONTINUED)			
43	17-40032	Plate, Bottom	1
44	17-40033-05	Gasket, Bottom Plate	2
45	17-40034-05	Screw, Hex Head, 3/8-16 x 2.00 lg – SAE Grade 5	22
46	17-20005	Strainer Assembly, Suction (NSI)	1
47	PL	Plug, Pipe, Oil Fill, 1/4	1
48	17-40042	Check Valve Assembly, Oil Return	1
49	17-21063-00	Plate, Screen Hold Down	1
50	PL	Pipe Plug (High & Low Pressure Connection and Oil Drain), 1/4-18 NPT	3
51	17-55006	Gasket, Cylinder Head (Center)	1
4.5 PUMP END GROUP			
60	17-40037-05	Screw, Hex Head, Bearing Head, 3/8-16 x 1.00 lg – SAE Grade 5	8
61	17-40019	Gasket, Capscrew, 3/8	8
62	17-21070-00	Bearing Head & Gear Oil Pump Package	1
63	17-55009-01	Washer, Thrust	1
64	17-40078-05	Gasket, Cover Plate	1
4.6 CRANKSHAFT, ROD AND PISTON GROUP			
70	N/A	Crankshaft	1
71	17-40059	Washer, Thrust	1
72	17-40048	Pin, Spiral, 5/32 Diameter x 5/8 lg	2
73	34-01110	Key, Rotor Drive	1
74	17-10831	Washer, Rotor (NSI)	1
75	17-40046	Washer, Star, Rotor, 5/8 (NSI)	1
76	17-40044	Tube Assembly, Equalizer (NSI)	1
77	17-44115-01	Piston & Pin Pkg (Standard) – Includes:	6
77	17-44115-20	Piston & Pin Pkg (+0.020) – Includes:	A/R
78	NSS	Piston	1
79	17-40052-00	Pin, Piston	1
80	17-40053	Retainer, Piston Pin	2
81	17-40055	Ring, Compression (For Standard & +0.020 inch Piston)	12
82	17-40056	Connecting Rod and Cap Assembly (Standard) – Includes:	6
82	17-55023	Connecting Rod and Cap Assembly (+0.010) – Includes:	6
NS	17-40057	Pin, Dowel	2
83	17-55008	Capscrew – Special (Epoxy Coated)	2
4.7 VALVE PLATE GROUP			
90	17-44112-01	Package, Valve Plate Assembly (Center and Side Banks -- Canted) – Includes:	3
NS	NSS	Plate Assembly, Valve – Includes:	1
91	NSS	Plate, Valve	1
92	17-40086	Valve, Discharge	2
93	17-40087	Valve, Stop Discharge	2
94	17-44113-00	Screw, Hex Head, 1/4-28 x 3/8 lg	4
95	17-10715	Washer, Lock, 1/4	4
96	17-44111-00	Valve, Suction	2
97	17-40083	Spring, Suction Valve Positioning	2
32	17-55001	Gasket, Cylinder Head (Side Bank)	1
51	17-55006	Gasket, Cylinder Head (Center)	1
98	17-55002	Gasket, Valve Plate	1
99	17-40057	Pin, Dowel (Valve Plate)	12

ITEM	PART NO.	DESCRIPTION	QTY
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4.8 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	17-44007-06	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 a Gasket Set (P/N 17-55020-20) be aware that it includes one (1) of item 15 and for a Container Unit the quantity required is two (2).