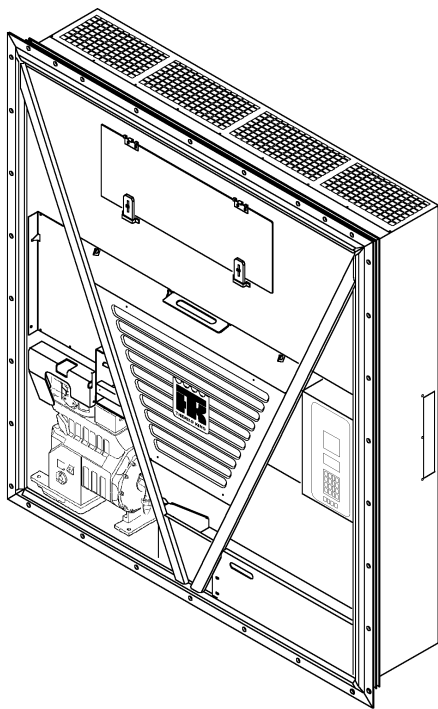


CRR 40PS & CRR 40PS+

TK 50961-4.27



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General Information

Tables of Contents

This Parts Manual contains a numerical table of contents listing each assembly name, its associated Grid number and page number. The numerical table of contents is arranged numerically by Grid number. There are references in a parts list referring to other Grid numbers, the numerical table of contents is arranged to facilitate finding the referenced illustrations. At the rear of this parts manual are two indexes, a numerical and alphabetical. The indexes contain all of the part numbers and descriptions which appear in this manual.

Assemblies and Subassemblies

When parts are indented in the description list, they are preceded with a bullet (•). This indicates that the part(s) is available separately or included in an assembly.

GRID NO. 67D6

SWITCH PANEL ASSEMBLY

REF	PART#	DESCRIPTION	QTY
	45-1239	PANEL - assy, switch	1
1	99-1960	• PANEL	1
	99-6280	• • NAMEPLATE - panel	1
2	33-743	• GASKET	1

For example: the switch panel nameplate (99-6280) is available separately, available as part of the switch panel (99-1960) and with the panel assembly (45-1239).

ABBREVIATIONS

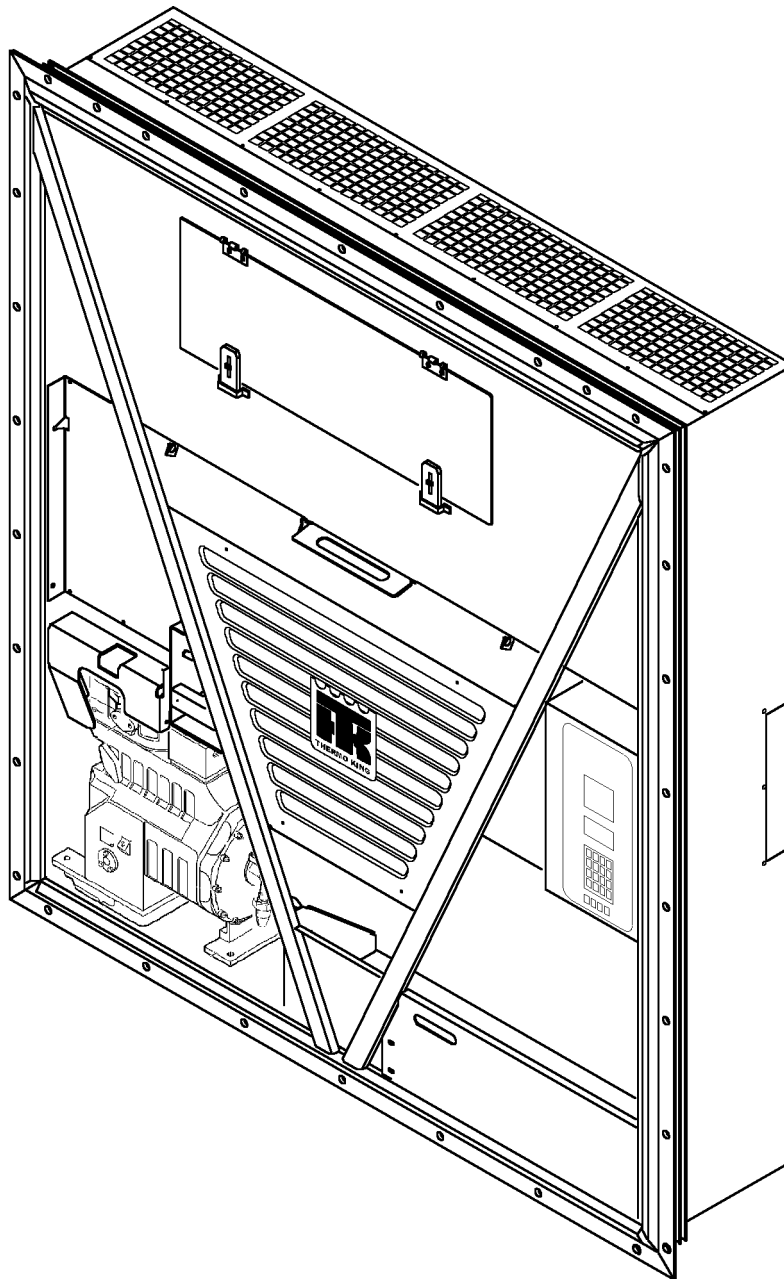
The following abbreviations appear in parts manuals

A AC alternating current A/R as required accum accumulator adj adjusting al aluminum alt. alternator A or amp ampere assy assembly	E (continued) evap evaporator exch exchanger exp expansion ext external F F Fahrenheit fill fillister fi fuel injection fl flare fpt female pipe thread ft feet ftg fitting	O os oversized od outside diameter
B bd board brg bearing brkr breaker brkt bracket	H hex hexagon hh hexagon head hd head hp horsepower hsg housing	P pcb printed circuit board pkg package ph phase pos positive psi pounds per square inch
C C Celsius cw clockwise ccw counter-clockwise cam camshaft compr compressor cond condenser conn connecting, connector cyl cylinder	I id inside diameter in inch (2.54 centimeters) incl includes inj injection int internal int th internal tooth	R rad radiator rcvr receiver ref reference reg regulator req required rpm revolutions per minute
D def defrost deg degree dehyd dehydrator dia diameter DC direct current disch discharge diff differential	L liq liquid lg long	S sec second sld solder soc hd socket head sol solenoid spl special sq square ss stainless steel std standard stl steel suct suction sw switch
E EMI Extended Maintenance Interval EEC European Economic Community eng engine	M mm millimeter mpt male pipe thread mod modulating N neg negative No number NS not supplied NSS not sold separately	T term terminal temp temperature thk thick U us undersize V vib vibrasorber W W watt w/ with w/o without

CRR 40PS & CRR 40PS+

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B/M	DESCRIPTION	Date
916167	CRR40PS-167	6/00
916168	CRR40PS-168	6/00
916169	CRR40PS-169	6/00
916170	CRR40PS-170	6/00
916174	CRR40PS-174	6/00
916178	CRR40PS-178	6/00
916175	CRR40PS+-175	6/00
916176	CRR40PS+-176	6/00
916177	CRR40PS+-177	6/00
916179	CRR40PS+-179	6/00
916180	CRR40PS+-180	6/00
916185	CRR40S-185	11/00
916188	CRR40PS-188	11/00
916189	CRR40PS+-189	11/00
916190	CRR40PS-190	11/00
916191	CRR40PS-191	3/01
916192	CRR40PS-192	3/01
916193	CRR40PS-193	3/01
916194	CRR40PS-194	3/01
916195	CRR40PS-195	3/01
916196	CRR40PS-196	3/01
916197	CRR40PS-197	3/01
098302	CRR40PS-302	9/01
098303	CRR40PS-303	9/01
098940	CRR40PS	6/00
098942	CRR40	3/03
098950	CRR40PS+	6/00
OPTIONS		
098025	Recording Thermostat	6/00
098026	Recording Thermostat	6/00
098041	Transformer	6/00
098075	Nameplate - Korean	3/00
098106	USDA Sensor	6/00
098125	AFAM MP3000	6/00
098144	Remote Monitor	6/00



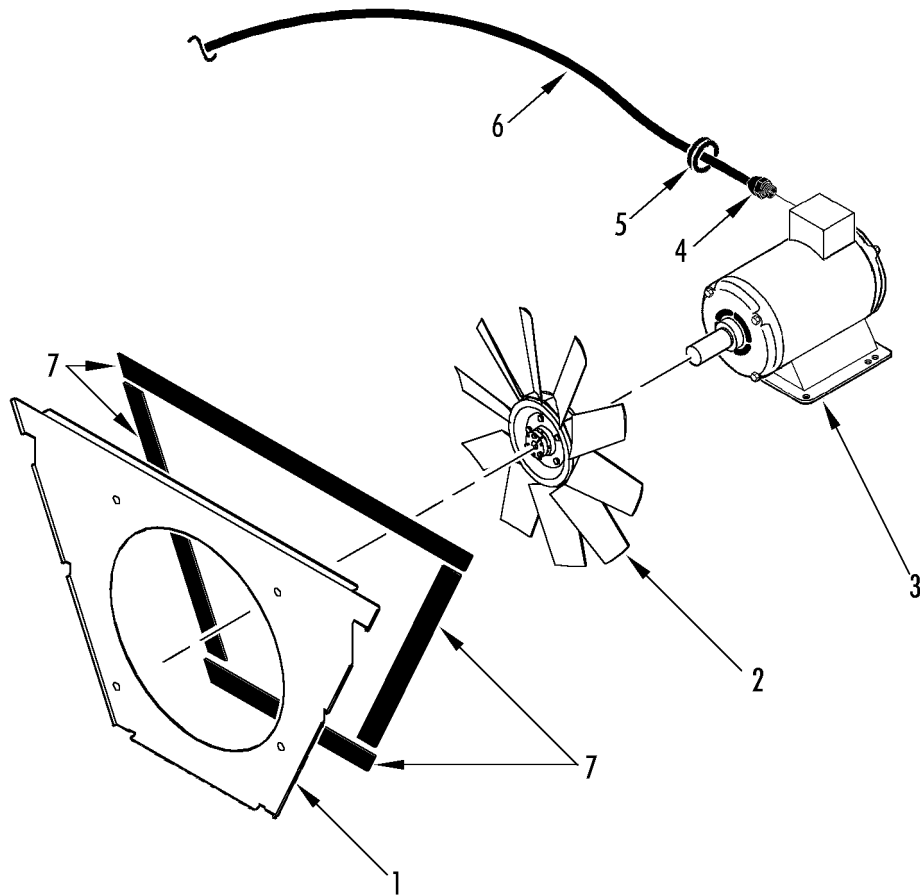
B/M	DESCRIPTION	Date
098150	Transfresh	6/00
098151	Dehumidity	6/00
098156	USDA Cannon Bayonet	6/00
098158	RMN	11/00
098162	Water Cooled Condenser	6/00
098166	AFAM+	11/00
098171	Dehumidity	6/00
098175	Dehumidity	6/00
098188	Dehumidity	11/00
098190	Dehumidity	11/00
098195	Modem	6/00
098196	Sensor - PT100	6/00

Revised
4/15/03

CRR 40PS & PS+ REFERENCE SHEET

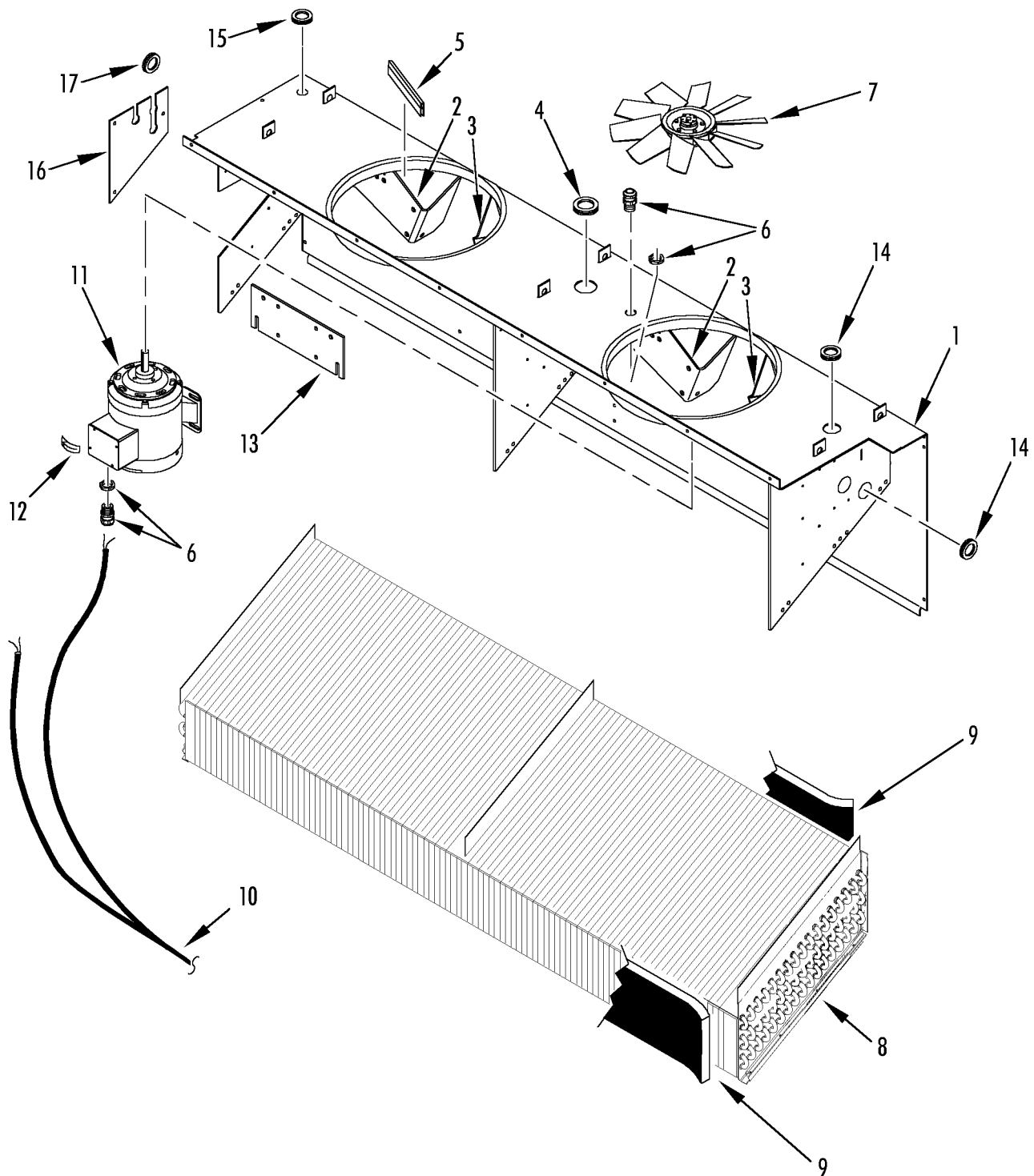


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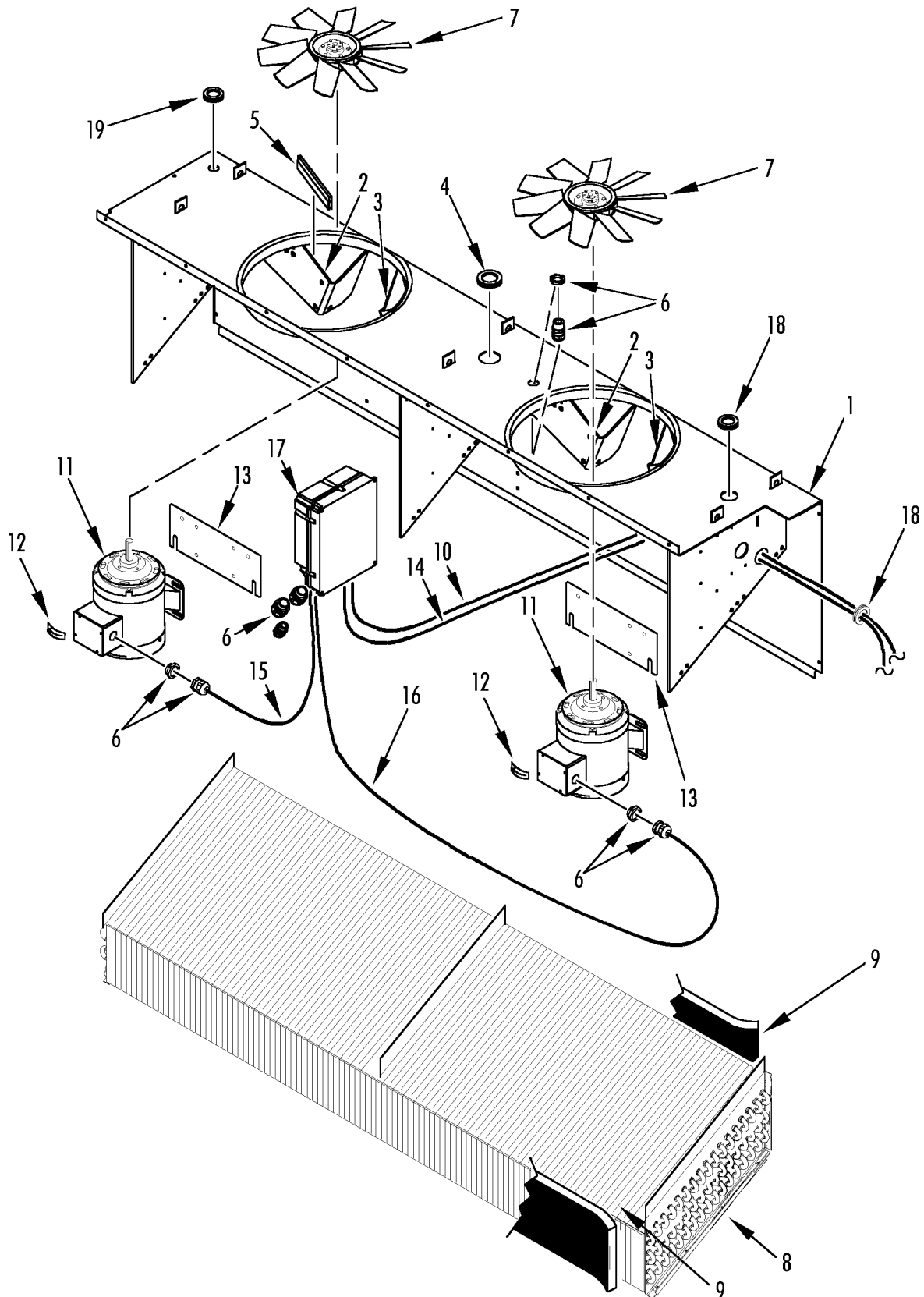


REF	PART#	DESCRIPTION	QTY
1	91-9912	ORIFICE - condenser fan	1
	55-7035	SCREW - orifice	4
	55-3045	WASHER - dome	7
	55-6997	NUT - captive	4
2	78-1173	FAN - condenser (clockwise)	1
	78-1197	FAN - condenser (counter clockwise)	1
	55-8137	SCREW - fan to hub	2
	55-6988	FLATWASHER	2
	55-7066	LOCKWASHER	2
3	104-689	MOTOR - condenser fan	1
	77-1498	• BEARING - shaft end	1
	77-1401	• BEARING - opposite end	1
	55-8559	SCREW - motor	4
	55-6988	FLATWASHER	8
	55-7342	LOCKWASHER	4
	55-7339	NUT	4
4	55-5900	GRIP - cable	1
	55-8908	LOCKNUT	1
5	33-367	GROMMET	1
6	41-2953	HARNESS - condenser fan	1
	44-8340	TERMINAL - splice	9
7	33-3044	STRIP - sealing	A/R

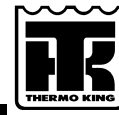




REF	PART#	DESCRIPTION	QTY
1	98-5475	HOUSING - evaporator (CRR 119)	1
	98-5918	HOUSING - evaporator (800 & 800A)	1
	98-5919	HOUSING - evaporator (800B)	1
	98-5768	HOUSING - evaporator (CRR 40-300)	1
	98-6213	HOUSING - evaporator (CRR 40-303 & 800D)	1
	98-6657	HOUSING - evaporator (800E & CRR40)	1
2	92-2331	• BRACKET - left	2
	92-2779	• BRACKET - left (800E & CRR40)	2
3	92-2332	• BRACKET - right	2
	55-9162	RIVET - shroud	10
4	33-3215	GROMMET (47 mm)	1
5	33-3044	TRIM - edge guard	A/R
6	55-5900	CONNECTOR - harness & sensor	3
7	78-1117	FAN - evaporator (14 in, 355 mm dia)	2
8	67-1558	COIL - evaporator	1
	67-1923	COIL - evaporator (800E & CRR40)	1
	55-8891	SCREW - coil	9
	55-9217	CAP - tube	3
9	91-9328	BLOCK - coil	2
10	41-3277	HARNESS - fan & heater (800 & 800A)	1
	41-3685	HARNESS - fan (CRR 40-300, units w/o heater door)	1
	41-4018	HARNESS - evap fan (800B & CRR40)	1
11	104-691	MOTOR - fan	2
	77-1498	• BEARING - shaft end	1
	77-1401	• BEARING - opposite end	1
	55-6993	SCREW - motor	8
	55-7066	LOCKWASHER (external tooth)	2
	55-7342	LOCKWASHER	6
	55-7085	FLATWASHER	8
12	99-4931	NAMEPLATE - arrow	1
13	91-8466	BRACKET - motor	2
	55-8903	SCREW - bracket	8
	55-8904	FLATWASHER	16
	55-7342	LOCKWASHER	8
	55-7339	NUT	8
14	33-2946	GROMMET (37 mm)	5
15	33-3838	GROMMET (22 mm)	2
16	92-2775	COVER - tube	1
	55-7172	SCREW - cover	3
	55-7075	FLATWASHER	3
17	33-367	GROMMET (0.625 id)	3

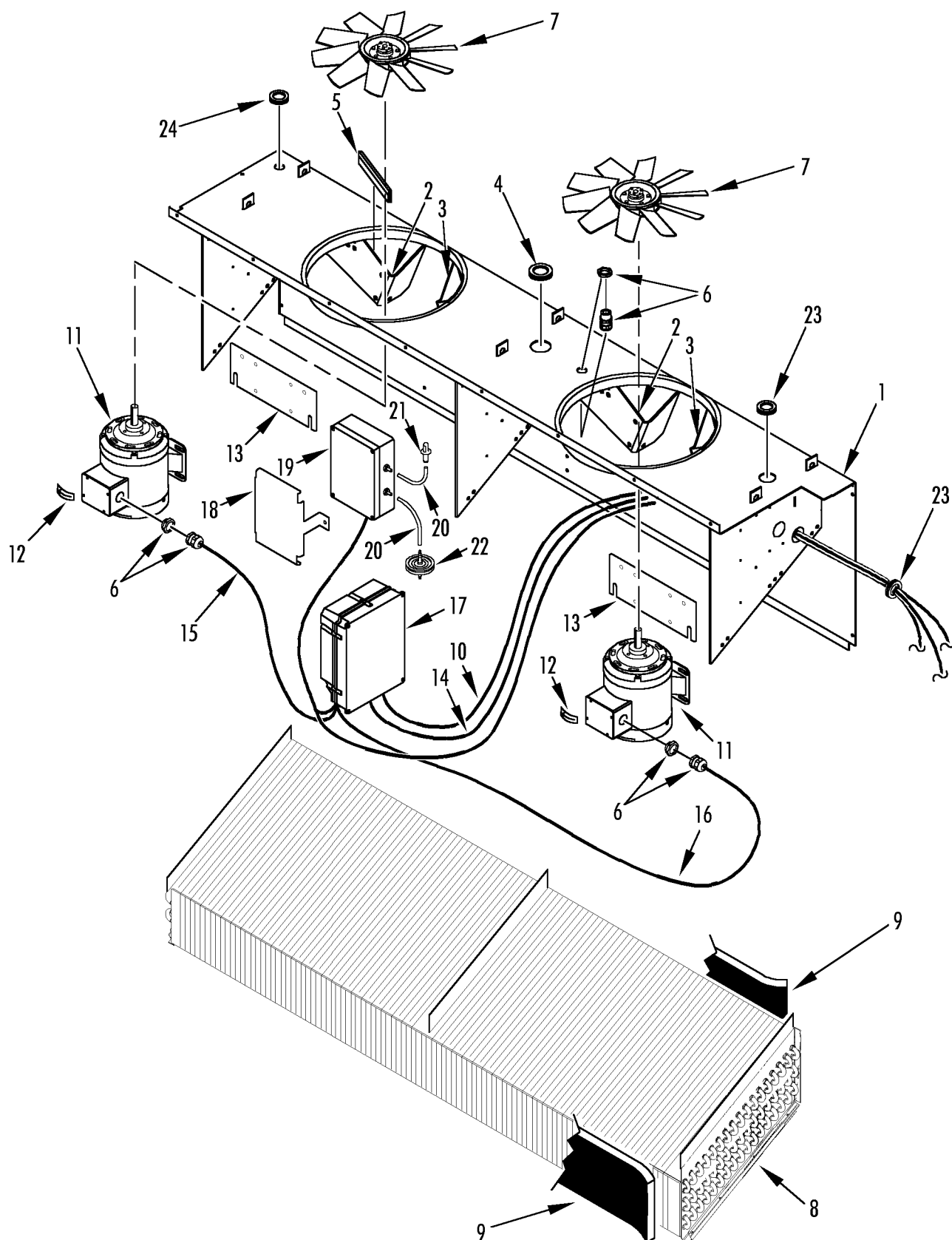


EVAPORATOR FAN (VARIABLE SPEED)



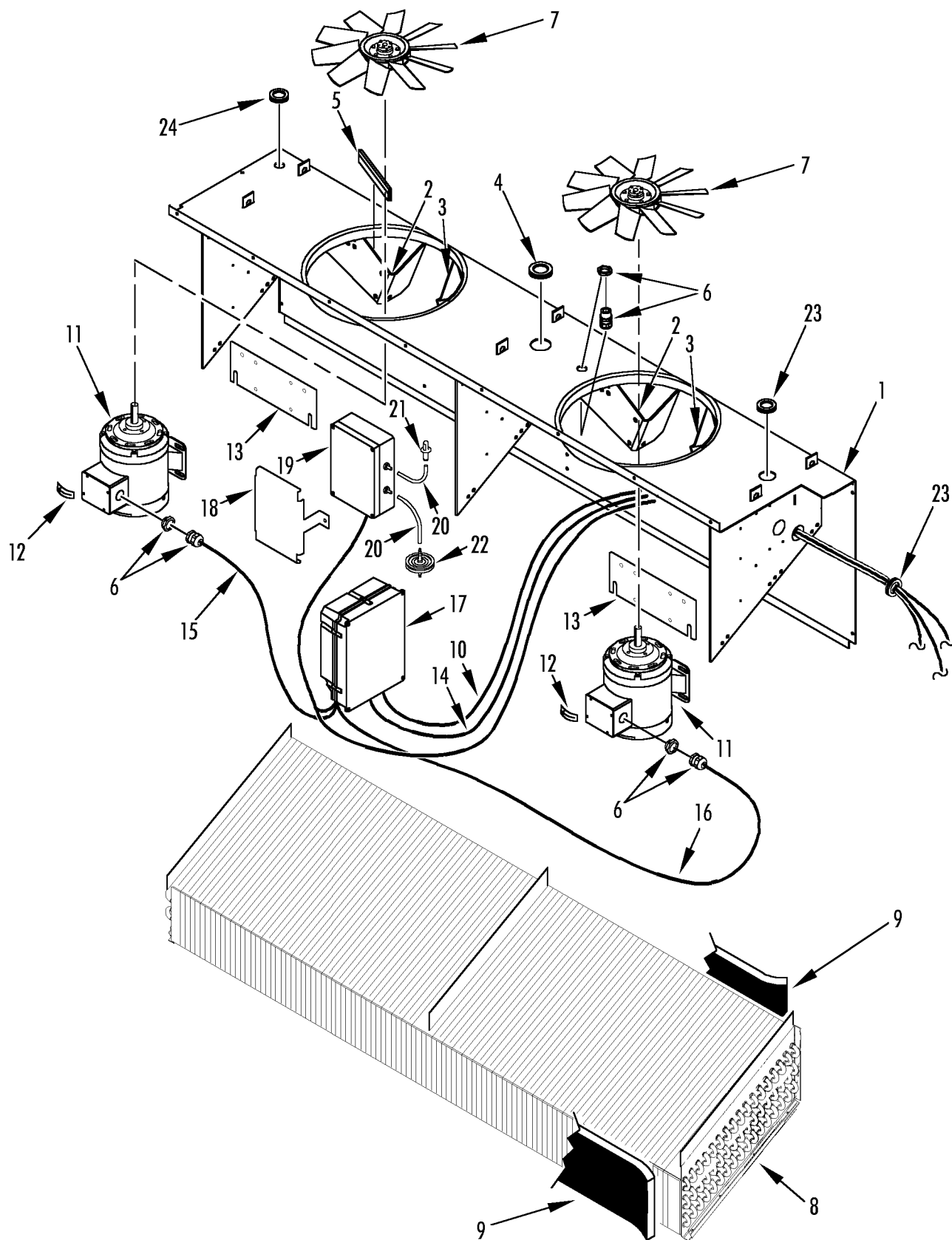
160F8

REF	PART#	DESCRIPTION	QTY
1	98-5768	HOUSING - evaporator	1
2	92-2331	• BRACKET - left	2
3	92-2332	• BRACKET - right	2
	55-9162	RIVET - shroud	10
4	33-2947	GROMMET (47 mm)	1
5	33-3044	TRIM - edge guard	A/R
6	55-8907	CONNECTOR - harness & sensor	3
	55-8908	NUT	3
7	78-1117	FAN - evaporator	2
8	67-1673	COIL - evaporator	1
	55-8891	SCREW - coil	9
	55-9217	CAP - screw	3
9	91-9328	BLOCK - coil	2
10	41-3693	HARNESS - fan	1
11	104-691	MOTOR - fan	2
	55-6993	SCREW - motor	8
	55-7066	LOCKWASHER (external tooth)	2
	55-7342	LOCKWASHER	6
	55-7085	FLATWASHER	8
	92-425	NUTSTRIP - motor	4
12	99-4931	NAMEPLATE - arrow	1
13	91-8466	BRACKET - motor	2
	55-8903	SCREW - bracket	8
	55-8904	FLATWASHER	16
	55-7342	LOCKWASHER	8
	55-7339	NUT	8
14	41-3694	HARNESS - pilot, VFD	1
15	41-3695	HARNESS - evap motor, VFD	1
16	41-3696	HARNESS - evap motor, VFD	1
17	45-1931	MODULE - variable fan drive	1
	55-7366	SCREW - module	4
	55-9444	WASHER - insulator	8
	55-7089	FLATWASHER	8
	55-7034	NUT	4
18	33-2946	GROMMET (37 mm)	6
19	33-3838	GROMMET (22 mm)	1





REF	PART#	DESCRIPTION	QTY
1	98-5768	HOUSING - evaporator	1
2	92-2331	• BRACKET - left	2
3	92-2332	• BRACKET - right	2
	55-9162	RIVET - shroud	10
4	33-3215	GROMMET (47 mm)	1
5	33-3044	TRIM - edge guard	A/R
6	55-8907	CONNECTOR - harness & sensor	3
	55-8908	NUT	3
7	78-1117	FAN - evaporator	2
8	67-1673	COIL - evaporator	1
	55-8891	SCREW - coil	9
	55-9217	CAP - screw	3
9	91-9328	BLOCK - coil	2
10	41-3693	HARNESS - fan	1
11	104-691	MOTOR - fan	2
	55-6993	SCREW - motor	8
	55-7066	LOCKWASHER (external tooth)	2
	55-7342	LOCKWASHER	6
	55-7085	FLATWASHER	8
12	99-4931	NAMEPLATE - arrow	1
13	91-8466	BRACKET - motor	2
	55-8903	SCREW - bracket	8
	55-8904	FLATWASHER	16
	55-7342	LOCKWASHER	8
	55-7339	NUT	8
14	41-3694	HARNESS - pilot, VFD	1
15	41-3695	HARNESS - evap motor, VFD	1
16	41-3696	HARNESS - evap motor, VFD	1
17	45-1931	MODULE - variable fan drive	1
	55-7366	SCREW - module	4
	55-9444	WASHER - insulator	8
	55-7089	FLATWASHER	8
	55-7034	NUT	4
18	92-456	BRACKET - sensor	1
	55-7035	SCREW - sensor	2
	55-7075	FLATWASHER	2
	55-8877	WASHER - insulating	2
19	41-3409	SENSOR - gas	1
20	11-4367	HOSE - sensor (1/4 od x 35 ft lg)	A/R
21	92-457	VENT	1
22	92-458	FILTER - gas sensor	1
23	33-2946	GROMMET (37 mm)	6



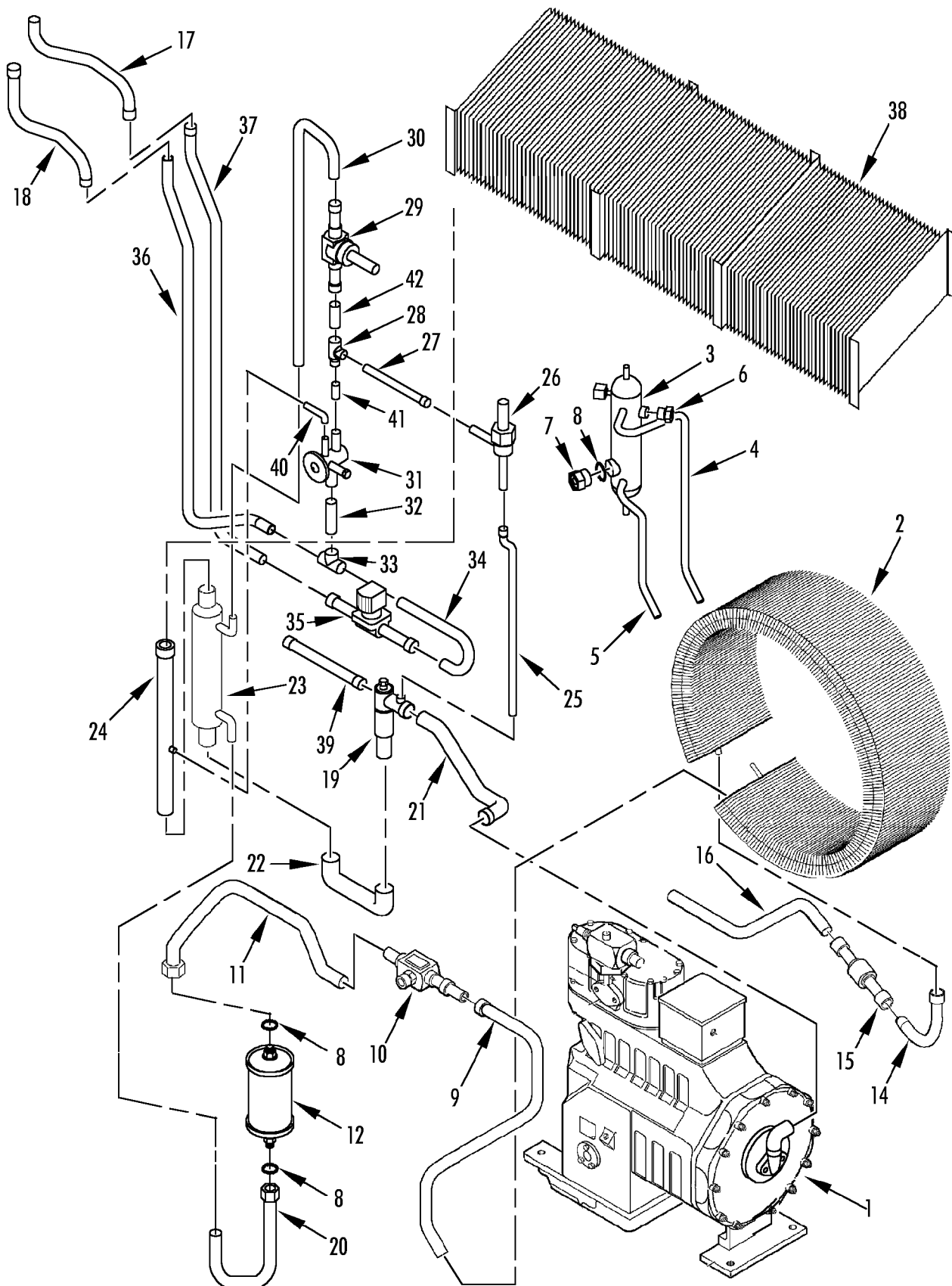
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EVAPORATOR FAN (POWER SAVER & GAS SENSOR)



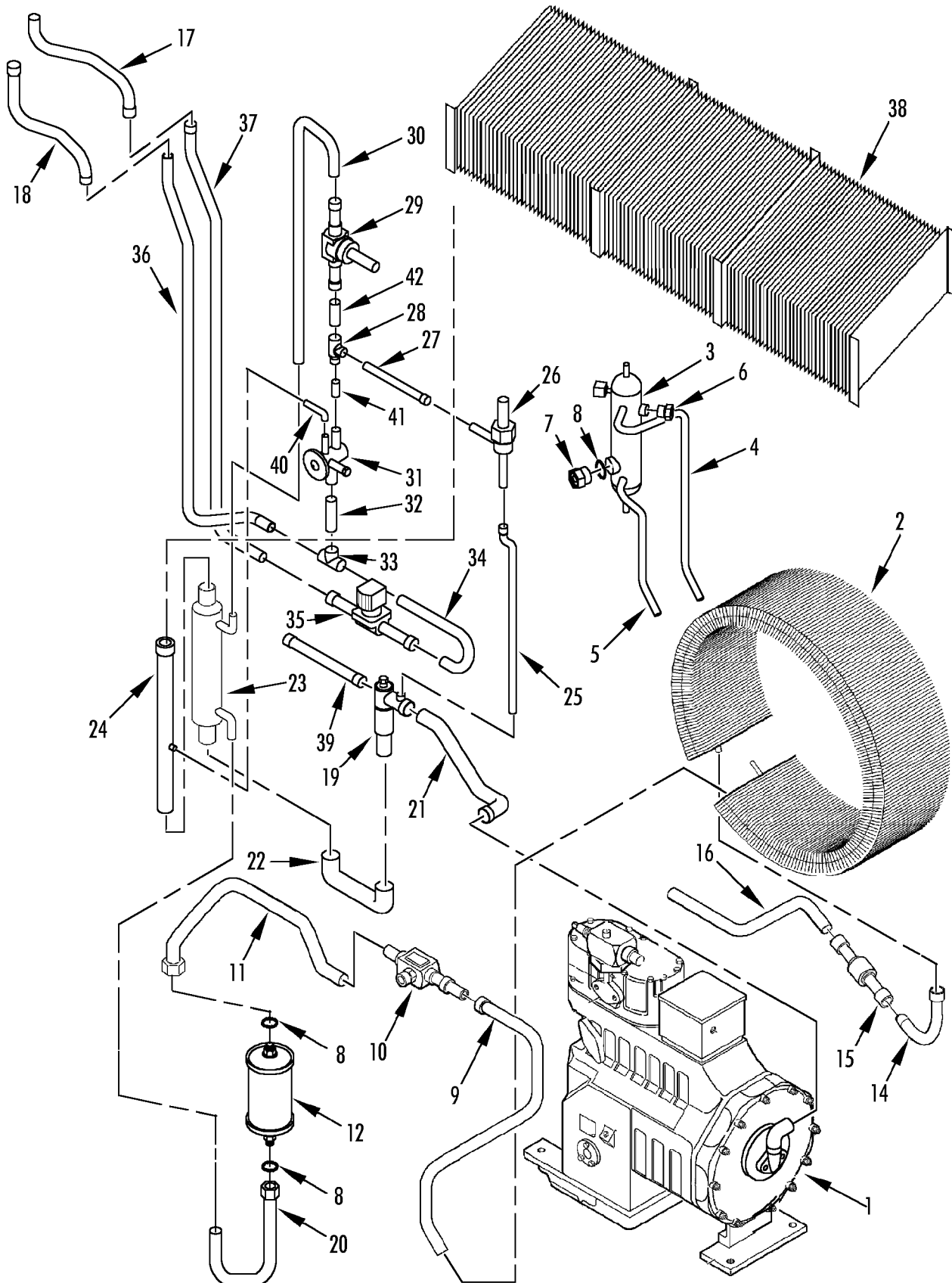
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REF	PART#	DESCRIPTION	QTY
24	33-3838	GROMMET (22 mm)	1



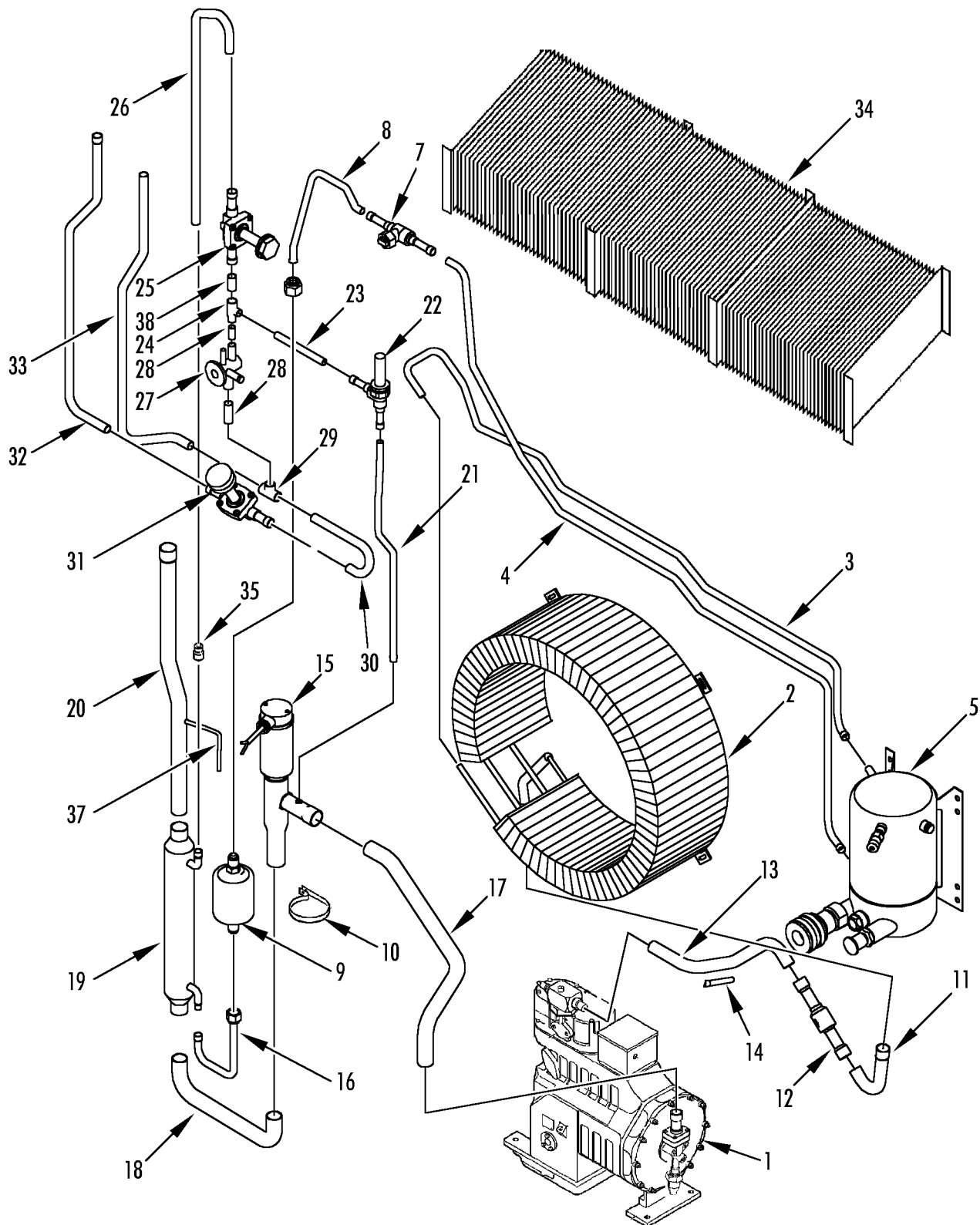


REF	PART#	DESCRIPTION	QTY
1	8102-743	COMPRESSOR (CRR 40, see 157G4)	1
2	60-285	COIL - condenser	1
	33-2949	GASKET - coil	A/R
	55-8910	SCREW - coil	7
	55-6995	FLATWASHER	7
	55-9054	WASHER (nylon)	7
3	67-1651	TANK - receiver	1
4	66-9893	TUBE - condenser to receiver	1
5	66-9894	TUBE - receiver to condenser	1
6	506-364	PLUG - fusible	1
7	66-8811	SIGHT GLASS	1
8	33-3007	GASKET	5
9	61-152	TUBE - condenser to indicator	1
10	61-151	VALVE - shutoff	1
	509-1635	BRACKET - valve	1
	55-7843	SCREW - valve	2
	505-603	WASHER	2
11	61-153	TUBE - valve to dehydrator	1
12	66-9307	DEHYDRATOR	1
	55-4390	HANGER - dehydrator	1
	91-8620	LABEL - dehydrator	1
13	55-8938	CLAMP - dehydrator	1
	55-8891	SCREW - bracket	2
14	506-369	TUBE - discharge	1
15	66-8467	VALVE - check	1
16	506-370	TUBE - discharge	1
17	61-292	TUBE - transition	1
18	61-291	TUBE - transition	1
19	66-9163	KVQ - actuator (see 151A5)	1
20	61-145	TUBE - heat exchanger to dehydrator	1
	55-8951	SHOULDER - seal	1
	55-8950	NUT - shoulder	1
21	66-9071	TUBE - KVQ to compressor	1
22	61-726	TUBE - exchanger to KVQ	1
23	67-1650	HEAT EXCHANGER	1
24	61-293	TUBE - evaporator to exchanger	1
25	61-144	TUBE - solenoid to KVQ	1
26	66-9866	VALVE - solenoid (less coil pulse, Alco, see 166F6)	1
27	61-150	TUBE - valve to tee	1
28	55-6218	TEE	1
29	61-149	VALVE - solenoid (less coil, Alco)	1
30	61-296	TUBE - valve to exchanger	1



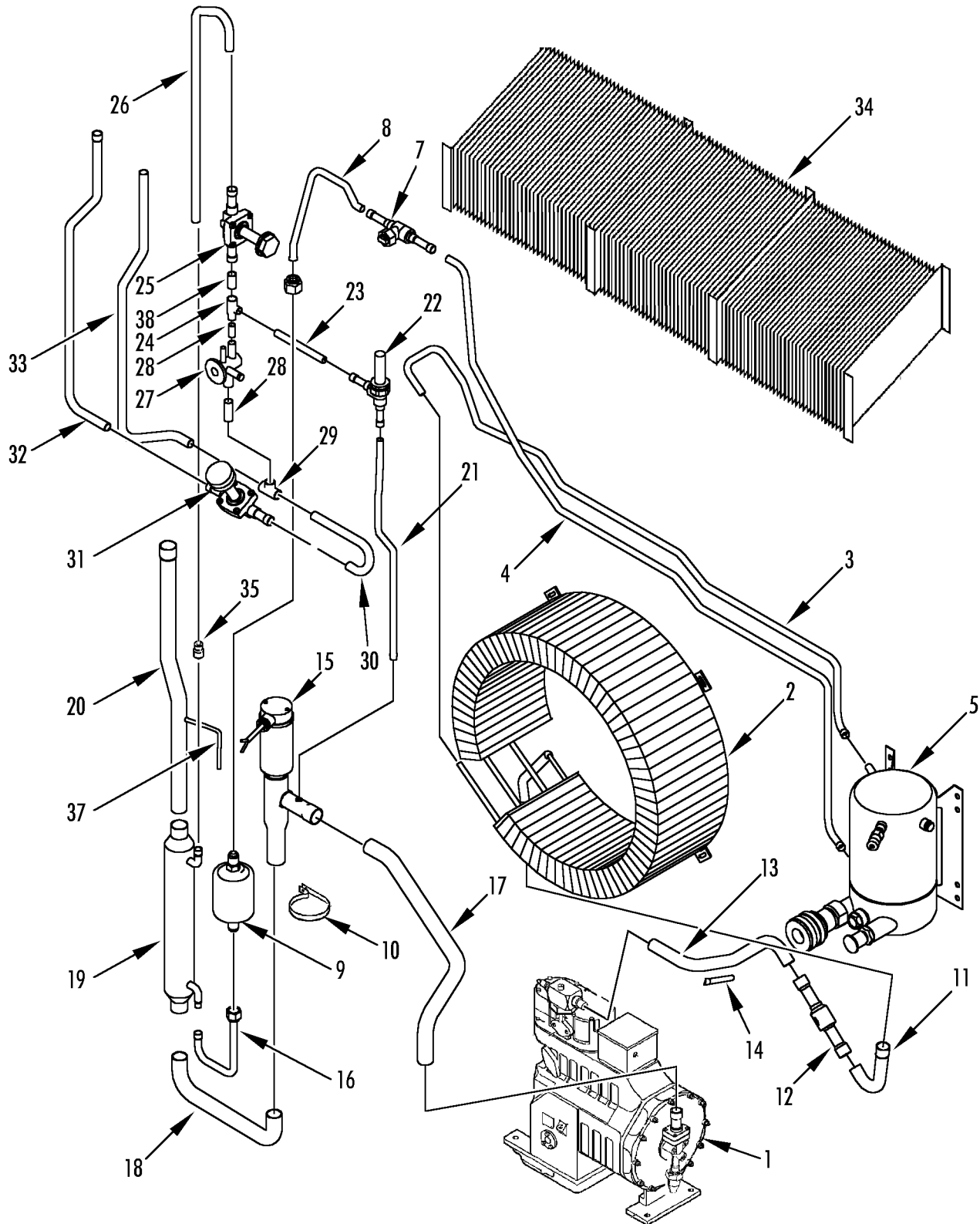


REF	PART#	DESCRIPTION	QTY
31	66-9900	VALVE - expansion (or use kit 60-253)	1
32	66-9035	TUBE - valve to tee	1
33	55-2296	TEE	1
34	66-9868	TUBE - tee to valve	1
35	41-3303	VALVE - solenoid (dehumidifier, option 098151, Alco)	1
	41-3301	COIL - valve	1
36	61-146	TUBE - valve to coil	1
37	61-147	TUBE - tee to coil	1
38	67-1673	COIL - evaporator (see 160F8 or 160F9)	1
39	66-9062	TUBE - valve replacement	1
40	66-9075	TUBE - equalizer	1
41	66-9164	TUBE - tee to valve	1
42	66-9210	TUBE - valve to tee	1



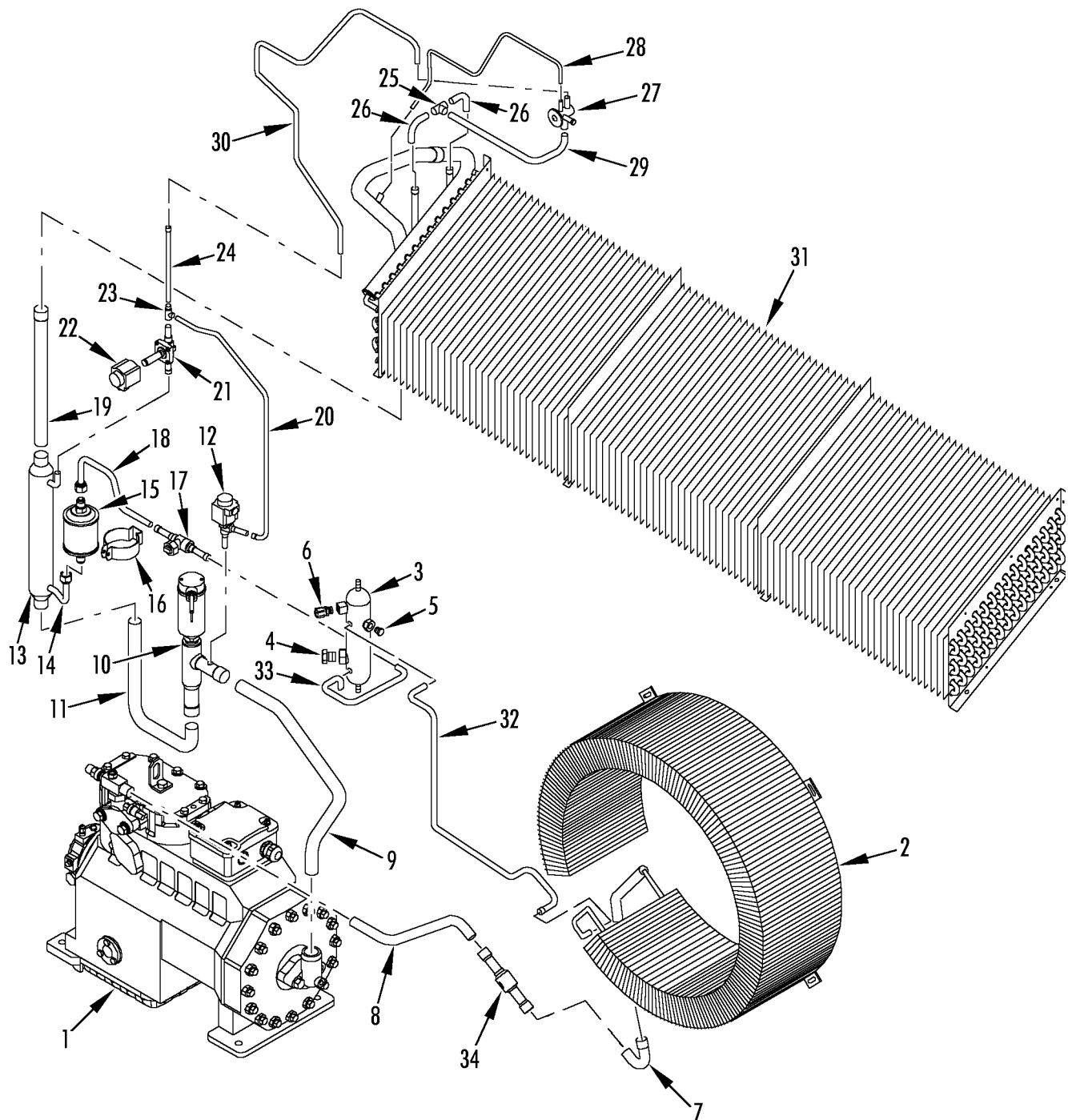


REF	PART#	DESCRIPTION	QTY
1	8102-743	COMPRESSOR (see 157G4, before 1/01)	1
2	67-1632	COIL - condenser (800, 800A/B/C)	1
	60-285	COIL - condenser (800D)	1
	99-5966	STRIP - gasket (15 x 15 mm)	A/R
	33-2950	GASKET (10 x 15 mm)	A/R
	55-8910	SCREW - coil	7
	55-6995	FLATWASHER	7
	55-9054	WASHER (nylon)	7
3	66-9875	TUBE - top (800, 800A/B/C)	1
	61-1305	TUBE - top (800D)	1
4	66-9874	TUBE - bottom (800, 800A/B/C/D)	1
5	67-1575	TANK - condenser (800, 800A/B/C/D, see 154E13)	1
6	506-375	TUBE - condenser to indicator	1
7	66-9125	VALVE - shutoff	1
8	61-698	TUBE - dehydrator to valve (119, 800, 800A)	1
	61-695	TUBE - dehydrator to valve (800B/C/D)	1
9	66-9015	DEHYDRATOR	1
10	55-4390	HANGER - dehydrator	2
	55-8891	SCREW - bracket	2
11	506-369	TUBE - discharge	1
12	66-8467	VALVE - check	1
13	506-370	TUBE - discharge	1
14	504-1418	TUBE - temperature sensor to compressor (800, 800A/B/C)	1
15	66-9163	KVQ - valve (see 146E6)	1
16	61-696	TUBE - exchanger to dehydrator	1
17	61-697	TUBE - KVQ to compressor (800B/C/D)	1
18	61-726	TUBE - exchanger to KVQ	1
19	67-1650	HEAT EXCHANGER (800B/C/D)	1
20	61-293	TUBE - evaporator to exchanger	1
21	61-727	TUBE - solenoid to KVQ	1
22	66-9168	VALVE - solenoid (pulse, Danfoss valve, see 166F6)	1
23	66-9214	TUBE - valve to tee	1
24	55-6218	TEE	1
25	66-9167	VALVE - solenoid (liquid, normally closed, see 146E5, Danfoss valve)	1
26	66-9085	TUBE - valve to exchanger (119, 800, 800A)	1
	61-1316	TUBE - valve to exchanger (800C/D)	1
	61-725	TUBE - valve to exchanger (800B)	1
27	66-9900	VALVE - expansion (or use Kit 60-253 for replacement of brass valves)	1
	61-2990	VALVE - cpr	1
	61-2237	• VALVE - pressure regulator	1



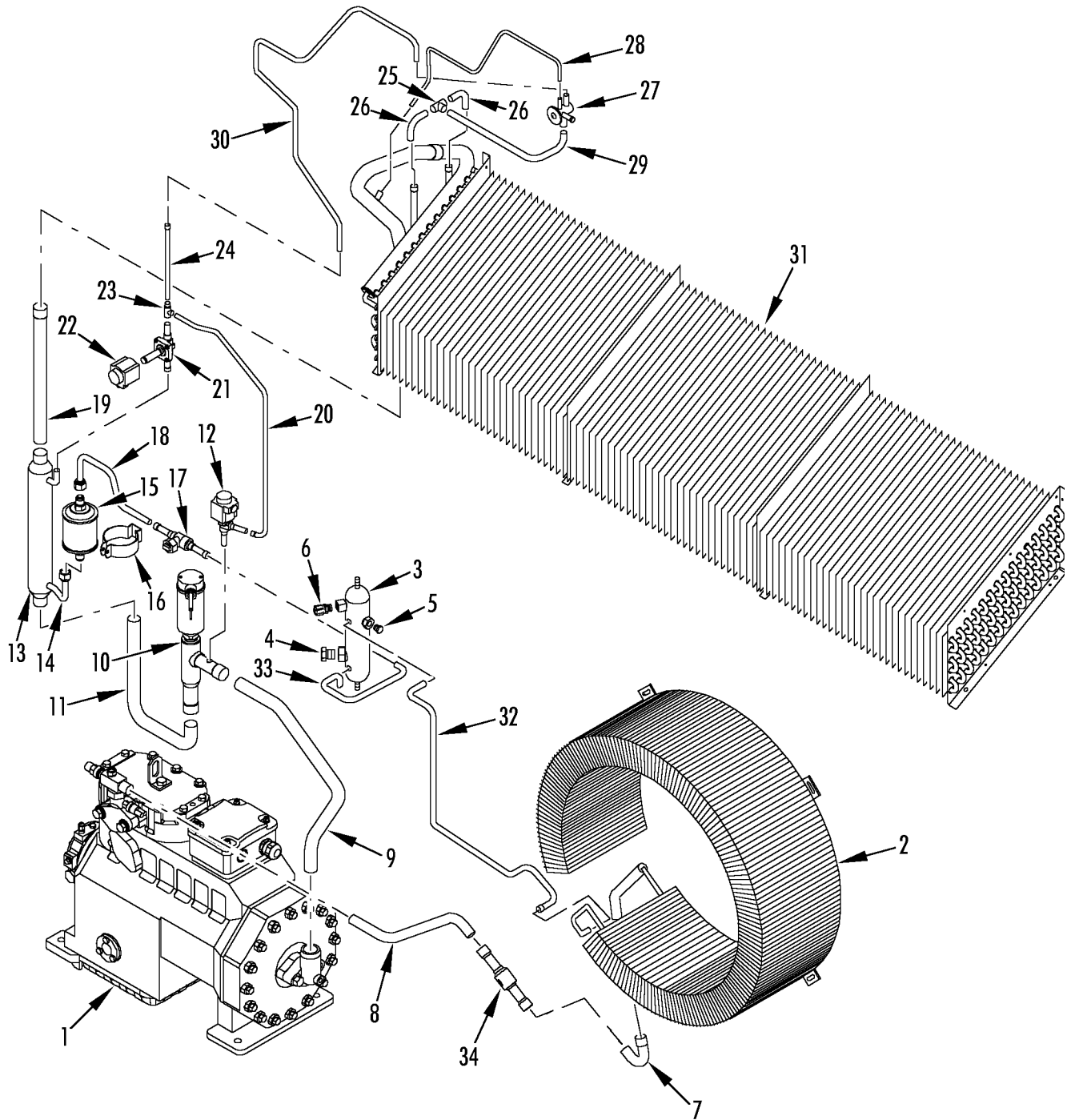


REF	PART#	DESCRIPTION	QTY
	61-2285	• COUPLING (1-1/8)	1
28	66-9164	TUBE - valve to tee	1
29	55-2296	TEE	1
30	66-9868	TUBE - tee to valve	1
31	66-9032	VALVE - solenoid (humidity control, normally open, Danfass valve)	1
32	61-295	TUBE - valve to coil (800B)	1
	61-724	TUBE - valve to coil (800C/D)	1
33	61-294	TUBE - tee to coil (800B)	1
	61-723	TUBE - tee to coil (800C/D)	
34	67-1532	COIL - evaporator (units w/ 3 evap fans, see 150G3)	1
	67-1806	COIL - evaporator (8/01 & after, 800, 800A/C/D)	1
	67-1673	COIL - evaporator (800B)	1
	67-1558	COIL - evaporator (before 7/01, units w/ 2 evap fans, 800A/C/D, see 152C1)	1
35	55-2299	BUSHING (5/8-1/2)	1
37	66-9075	TUBE - equalizer (119, 800, 800A/B)	1
	61-1307	TUBE - equalizer (800C/D)	1
38	66-9035	TUBE - solenoid to tee	1



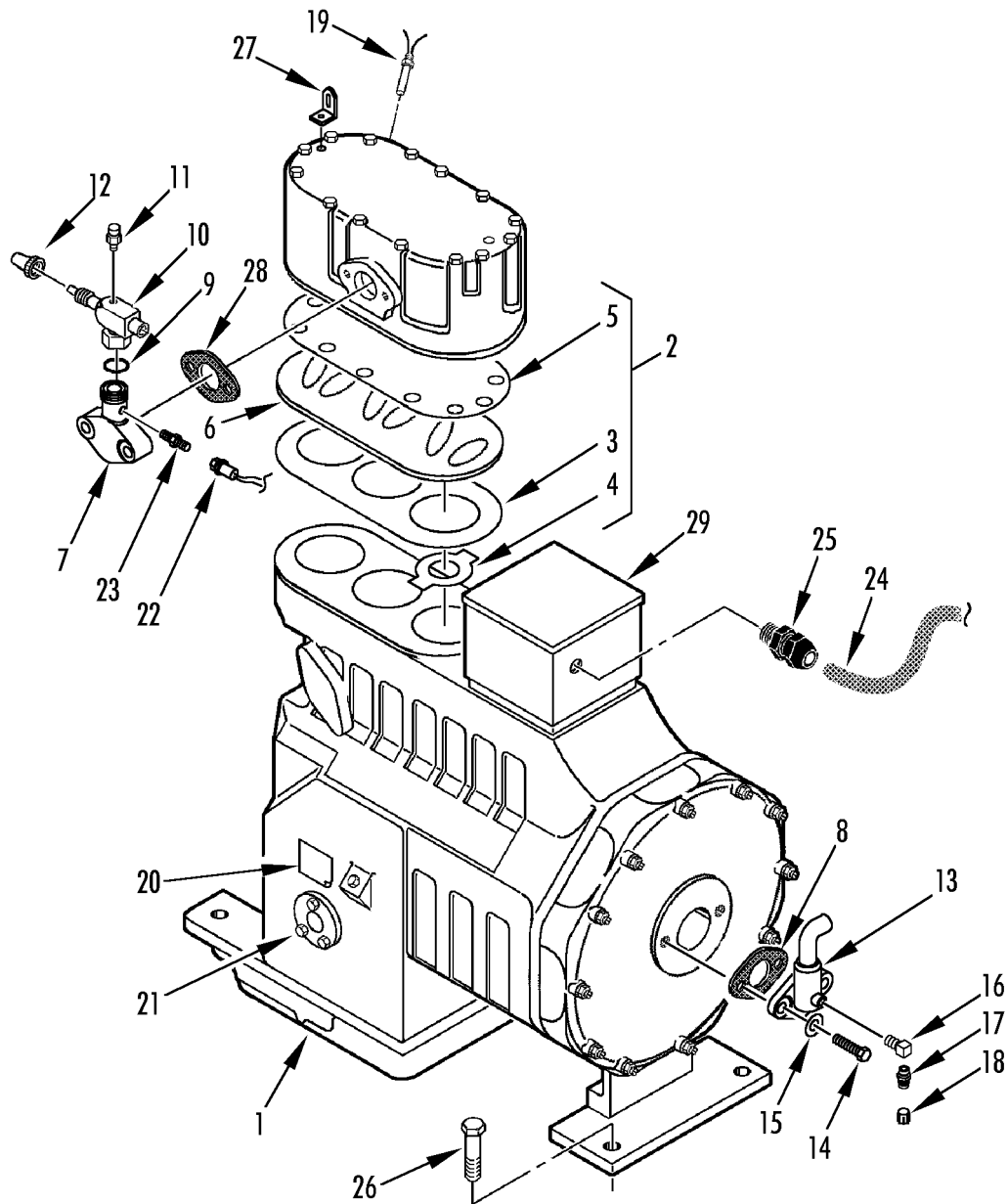


REF	PART#	DESCRIPTION	QTY
1	8102-743	COMPRESSOR (see 185E3)	1
	55-8911	SCREW - compressor	4
	55-137	FLATWASHER	4
	55-7360	FLATWASHER	4
	55-8992	NUT - hexagon	4
2	60-285	COIL - condenser	1
	33-2950	GASKET (10 x 15 mm)	A/R
	55-7035	SCREW - coil	6
	51-167	FLATWASHER	6
	55-9054	WASHER - insulator	6
3	67-1945	RECEIVER - tank compressor	1
4	506-388	INDICATOR - liquid	1
	33-3007	GASKET - o-ring	1
5	506-364	PLUG - fusible	1
6	66-6610	FITTING - high side	4
	55-9027	WASHER - insulating	4
	55-7075	FLATWASHER	2
	55-7347	LOCKWASHER	2
	51-273	NUT	2
7	61-2219	TUBE - discharge to compressor	1
8	61-2220	TUBE - discharge valve to compressor	1
9	61-2221	TUBE - KVQ to compressor	1
10	504-980	VALVE - KVQ (see 151A5)	1
	55-2331	BANDWRAP - valve	7
11	61-2222	TUBE - heat exchanger to KVQ	1
	51-627	CLAMP - tube	2
	55-9759	SCREW - clamp	2
	51-167	FLATWASHER - insulating	2
12	61-2223	VALVE - solenoid liquid injection	1
	41-5460	COIL - valve	1
13	67-1943	HEAT - exchanger	1
14	61-2224	TUBE - drier to heat exchanger	1
15	61-786	DEHYDRATOR (w/o-rings)	1
16	55-4390	HANGER - dehydrator	1
	55-7035	SCREW - hanger	2
	55-9054	WASHER - insulating	2
	51-167	FLATWASHER	2
	55-8316	SCREW - dehydrator	1
	55-7075	FLATWASHER	2
	55-7042	NUT	1
17	66-9125	VALVE - shutoff	1
18	61-2225	TUBE - check valve to dehydrator	1



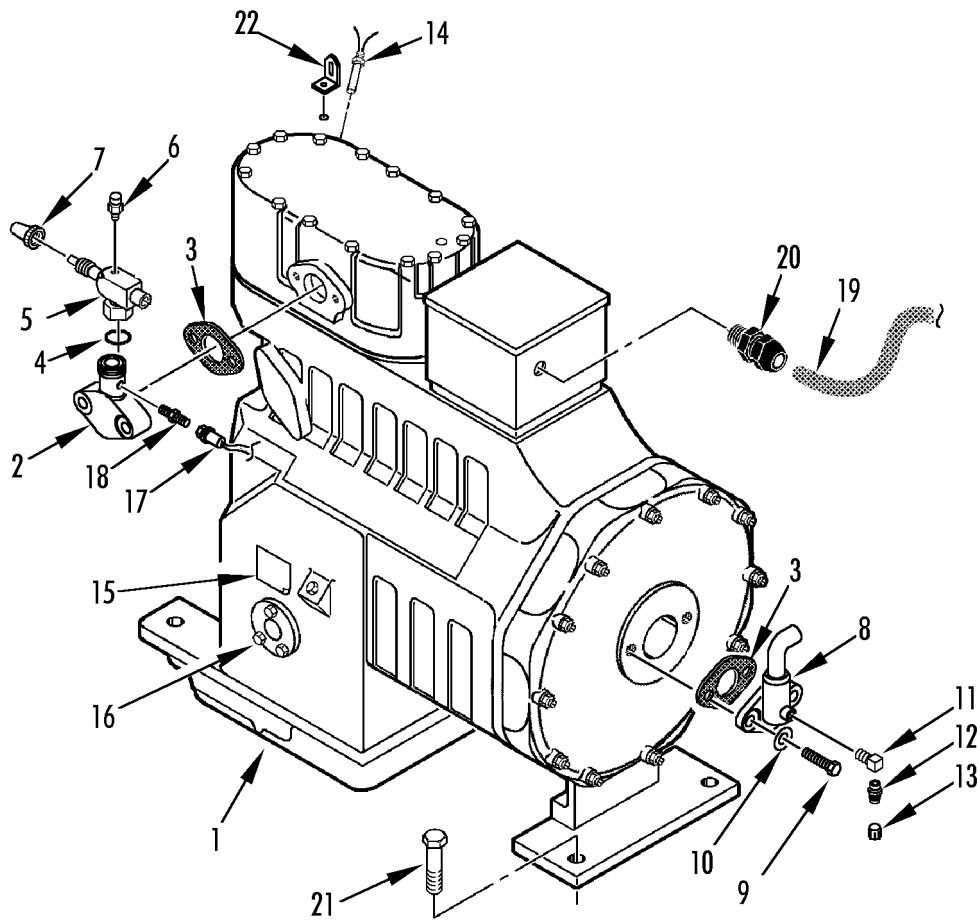


REF	PART#	DESCRIPTION	QTY
19	61-2226	TUBE - suction to evaporator	1
20	61-2227	TUBE - liquid injection	1
21	61-2228	VALVE - solenoid	1
22	41-5460	COIL - valve	1
23	55-6218	TEE (1/2 x 3/8 x 3/8)	1
24	61-2229	TUBE - liquid to evaporator	1
25	55-2296	TEE (1/2)	1
26	61-2051	TUBE - tee to distributor	2
27	61-1626	VALVE - expansion	1
28	61-2048	TUBE - equalizer	1
29	61-2049	TUBE - expansion valve to tee	1
30	61-2050	TUBE - expansion valve to inlet	1
31	67-1923	COIL - evaporator	1
32	61-2238	TUBE - condenser coil to receiver	1
33	61-2239	TUBE - receiver tank to valve	1
34	66-8467	VALVE - check	1



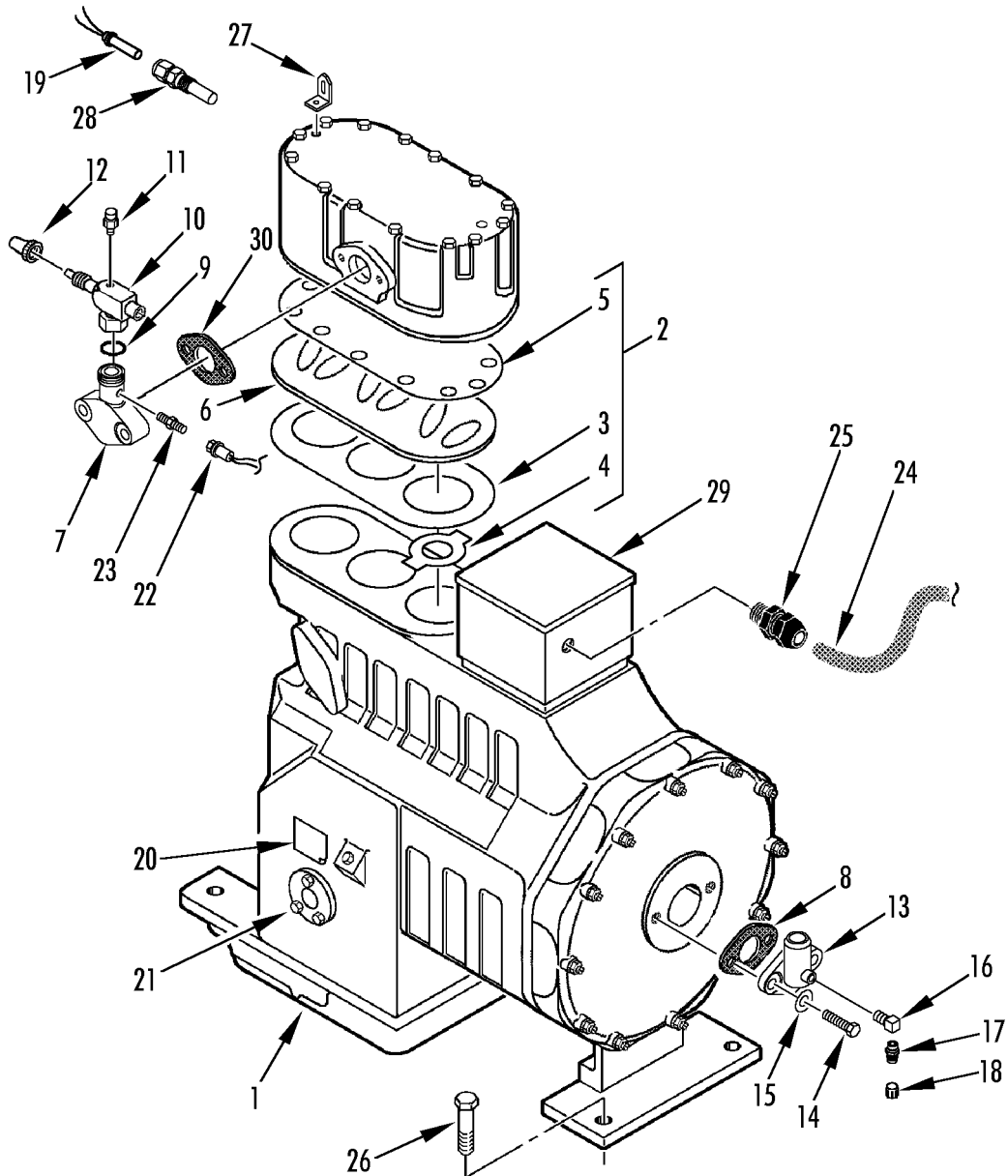


REF	PART#	DESCRIPTION	QTY
1	8102-743	COMPRESSOR (CRR 40)	1
2	22-1051	• KIT - valve plate	1
3	33-2510	•• GASKET - valve plate	1
4	502-240	•• KIT - reed suction	1
5	503-278	•• GASKET - cylinder head	1
6	22-1051	• KIT - valve plate	1
	203-516	OIL - compressor	A/R
7	22-1186	ADAPTER - discharge	1
	55-2747	SCREW - adapter	2
	55-2159	LOCKWASHER	2
	55-2173	FLATWASHER	2
8	33-2548	GASKET - adapter/suction	1
9	33-981	GASKET - valve	1
10	66-9377	VALVE - discharge	1
11	66-6610	ADAPTER - service (highside)	1
	66-7182	• CAP - adapter (red)	1
12	506-161	CAP - discharge valve	1
13	22-1099	FLANGE - suction	1
14	55-2976	SCREW - flange	2
15	55-2173	FLATWASHER	2
16	66-8054	ADAPTER (lowside)	1
17	66-6607	FITTING - service (lowside)	1
18	66-7183	• CAP - fitting	1
19	41-2447	SENSOR - head temperature	1
20	509-1153	LABEL - compressor oil	1
21	22-398	SIGHT GLASS - oil	1
	33-2222	GASKET - sight glass	1
22	44-6360	SWITCH - hpco	1
22	41-3302	SWITCH - hpco	1
23	55-459	COUPLING - switch	1
24	41-3701	CABLE - compressor	1
25	55-5257	FITTING - harness	1
26	55-8911	SCREW - compressor (50 mm)	4
	55-8912	FLATWASHER	4
	55-8992	NUT	4
27	91-6435	ANGLE - lifting	1
	55-2505	ELBOW	1
28	33-3175	GASKET - discharge (rubberized)	1
29	92-1682	BOX - junction (plastic)	1
30	02-7043	KIT - spacer	1





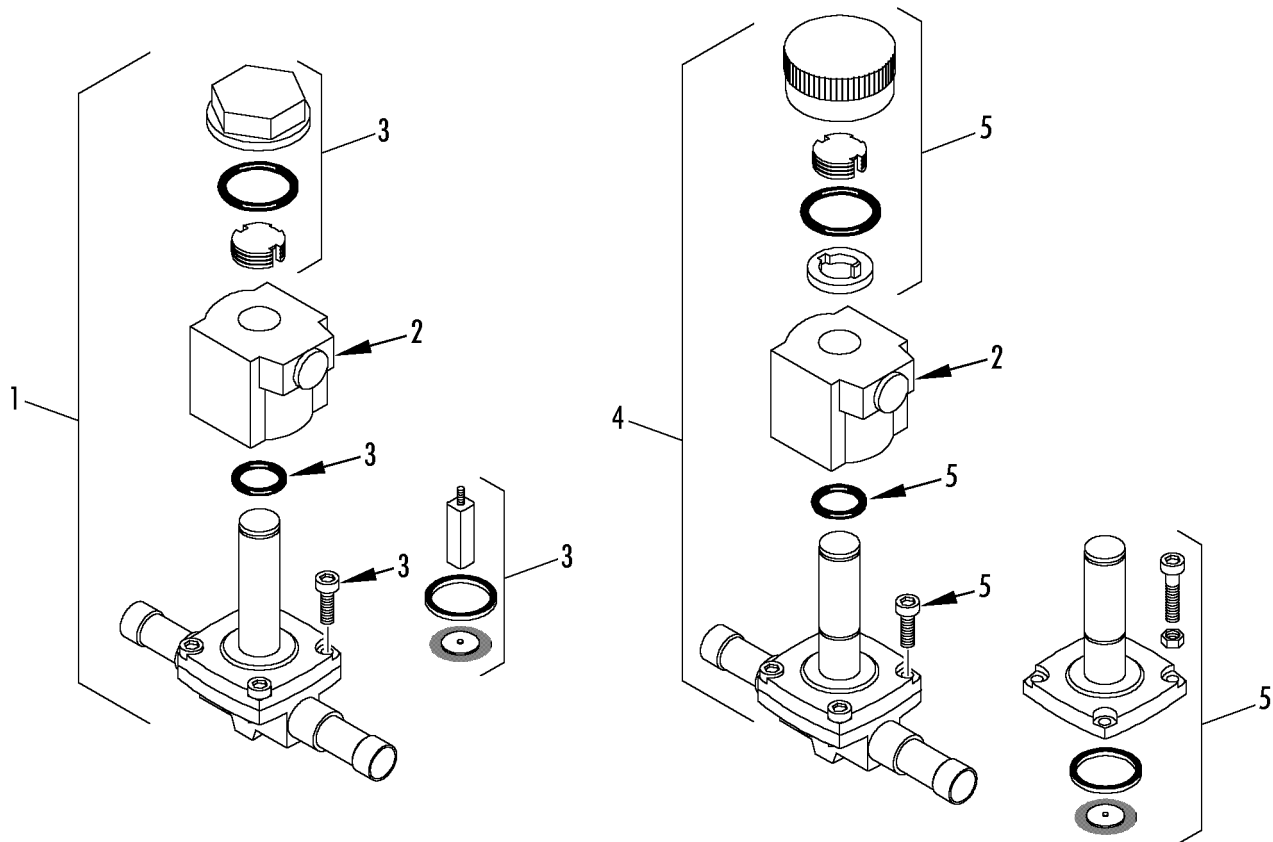
REF	PART#	DESCRIPTION	QTY
1	8102-743	COMPRESSOR (3DS 460V)	1
	203-516	OIL - compressor	A/R
2	22-1186	ADAPTER - discharge	1
	55-2747	SCREW - adapter	2
	55-2159	LOCKWASHER	2
	55-2173	FLATWASHER	2
3	33-2548	GASKET - suction adapter	2
4	33-981	GASKET - valve	1
5	66-9377	VALVE - discharge	1
6	66-6610	ADAPTER - service (highside)	1
	66-7182	• CAP - adapter (red)	1
7	506-161	CAP - discharge valve	1
8	22-1099	FLANGE - suction	1
9	55-2976	SCREW - flange	2
10	55-2173	FLATWASHER	2
11	66-8054	ADAPTER (lowside)	1
12	66-6607	FITTING - service (lowside)	1
13	66-7183	• CAP - fitting	1
14	41-2447	SENSOR - head temperature	1
15	509-1153	LABEL - compressor oil	1
16	22-398	SIGHT GLASS - oil	1
	33-2222	GASKET - sight glass	1
17	44-6360	SWITCH - hpco	1
	41-3302	SWITCH - hpco	1
18	55-459	COUPLING - switch	1
19	41-3701	CABLE - compressor	1
20	55-5257	FITTING - harness	1
21	55-8911	SCREW - compressor (50 mm)	4
	55-8912	FLATWASHER	4
	55-8992	NUT	4
22	91-6435	ANGLE - lifting	1
	55-2505	ELBOW	1



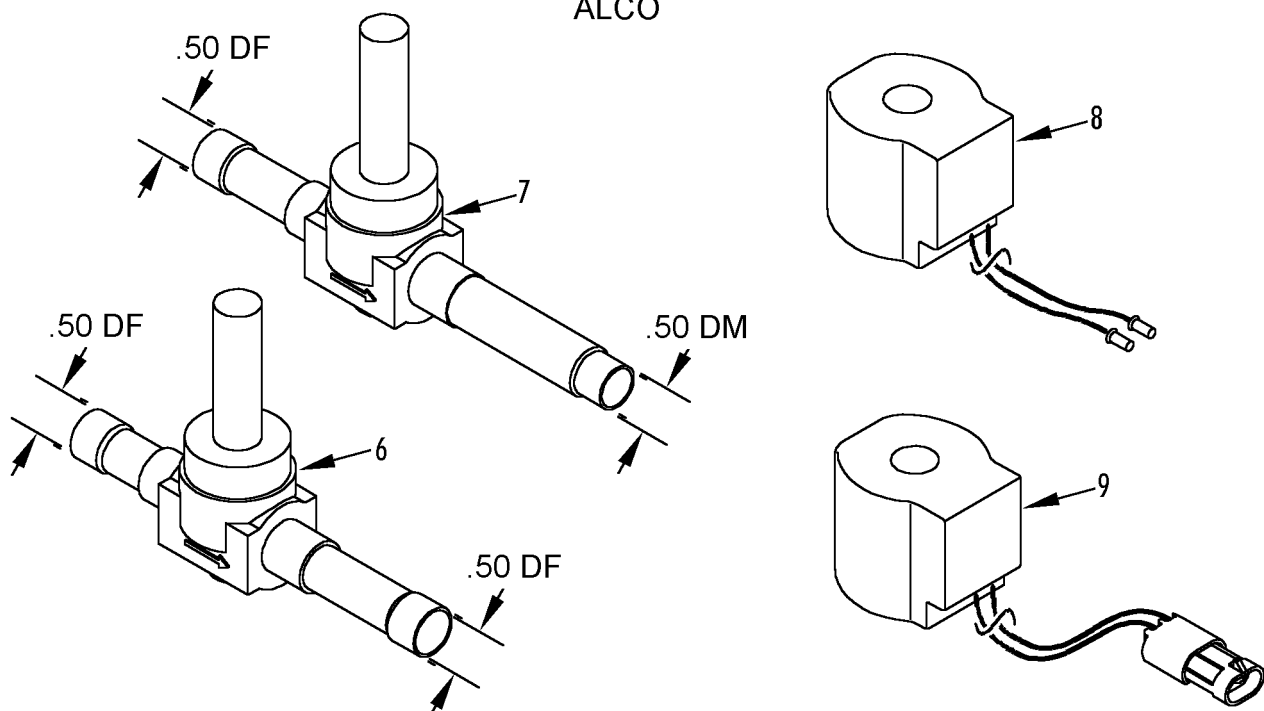


REF	PART#	DESCRIPTION	QTY
1	8102-743	COMPRESSOR (CRR 40)	1
2	22-1051	• KIT - valve plate	1
3	33-2510	•• GASKET - valve plate	1
4	502-240	•• KIT - reed suction	1
5	503-278	•• GASKET - cylinder head	1
6	22-1051	• KIT - valve plate	1
	203-516	OIL - compressor	A/R
7	22-1186	ADAPTER - discharge	1
	55-2747	SCREW - adapter	2
	55-2159	LOCKWASHER	2
	55-2173	FLATWASHER	2
8	33-3175	GASKET - adapter/suction	1
9	33-981	GASKET - valve	1
10	66-9377	VALVE - discharge	1
11	66-6610	ADAPTER - service (highside)	1
	66-7182	• CAP - adapter (red)	1
12	506-161	CAP - discharge valve	1
13	22-1187	FLANGE - suction	1
14	55-2747	SCREW - flange	2
	55-2159	LOCKWASHER	2
15	55-2173	FLATWASHER	2
16	66-8054	ADAPTER (lowside)	1
17	66-6607	FITTING - service (lowside)	1
18	66-7183	• CAP - fitting	1
19	41-4300	SENSOR - head temperature	1
20	509-1153	LABEL - compressor oil	1
21	22-398	SIGHT GLASS - oil	1
	33-2222	GASKET - sight glass	1
22	44-6360	SWITCH - hpco	1
	41-3302	SWITCH - hpco	1
23	55-459	COUPLING - switch	1
24	41-4015	CABLE - compressor	1
25	55-5257	FITTING - harness	1
26	51-137	SCREW - compressor (50 mm)	4
	55-7360	FLATWASHER	4
	55-8992	NUT	4
27	91-6435	ANGLE - lifting	1
	55-2505	ELBOW	1
28	22-1161	POCKET - sensor	1
29	92-1682	BOX - junction (plastic, Maersk only)	1
30	33-3175	GASKET - discharge (rubberized)	1

DANFOSS

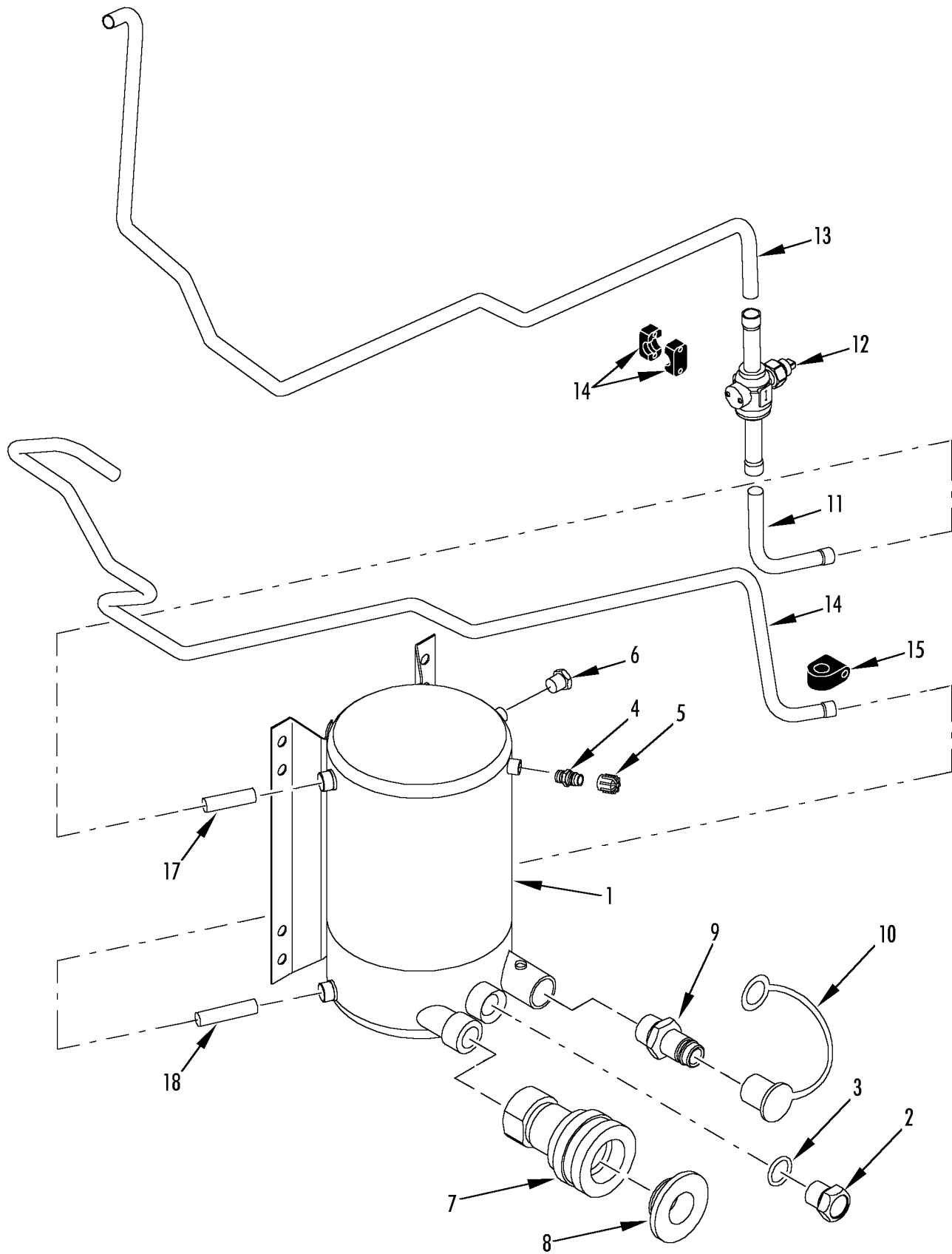


ALCO



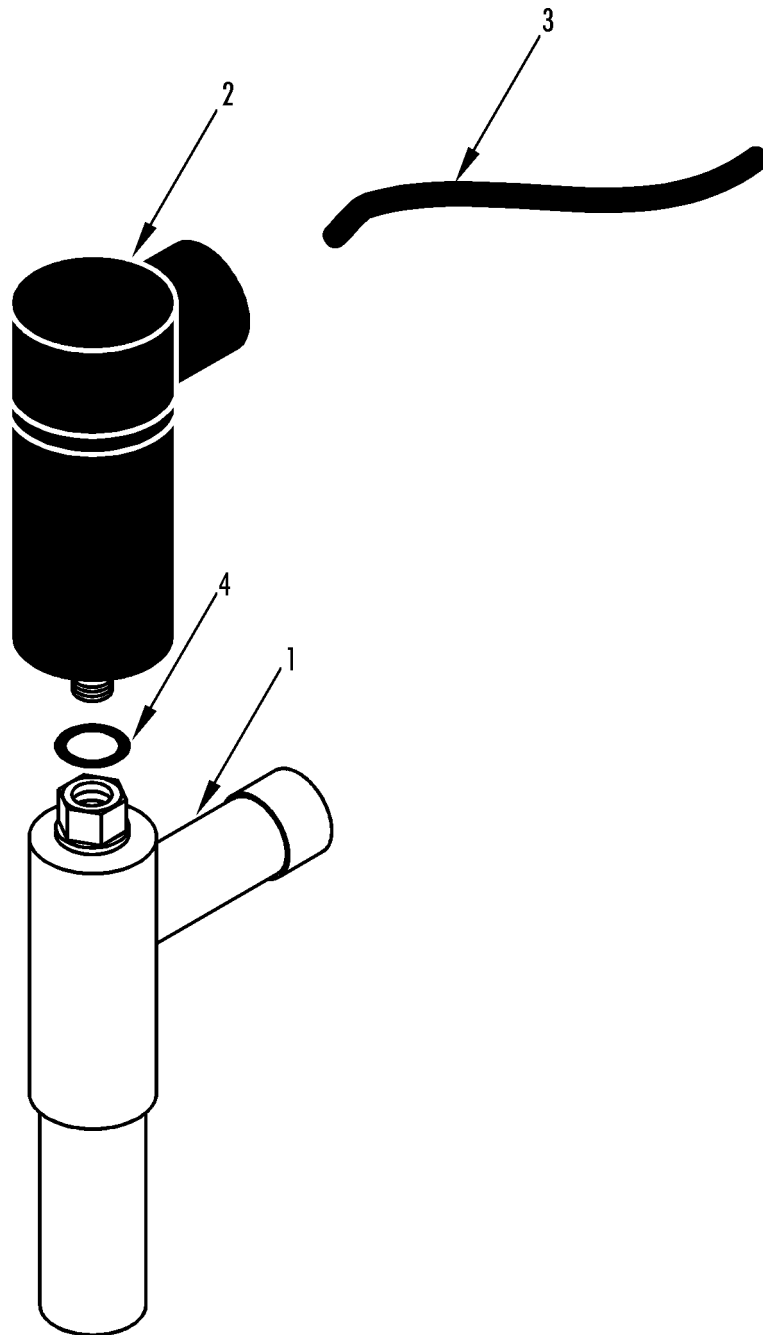


REF	PART#	DESCRIPTION	QTY
1	66-9167	VALVE - liquid line (less coil, normally closed, Danfoss)	1
2	41-5460	COIL - valve	1
	41-2399	COIL - valve (2 pin connector, gray, Danfoss)	1
3	504-977	KIT - repair (normally closed)	1
4	66-9032	VALVE - dehumidifier (less coil, normally open, Danfoss)	1
5	504-922	KIT - repair (normally open)	1
6	41-3303	VALVE - dehumidifier (less coil, normally open, Alco)	1
	66-9867	VALVE - liquid line (less coil, normally closed, Alco)	1
7	61-149	VALVE - liquid line (less coil, normally closed, Alco)	1
8	41-3301	COIL - valve (2.2 meter leads)	1
	41-3301	COIL - valve (2.2 meter leads w/ pin terminals)	1
9	41-3592	COIL - valve (200 mm leads w/ pin connector, white band)	1
	40-782	COIL - valve (200 mm leads w/ pin connectors, green band)	1





REF	PART#	DESCRIPTION	QTY
1	67-1575	TANK - water cooled condenser	1
2	66-8811	INDICATOR	1
3	33-3007	O-RING	1
4	66-6610	FITTING - high side	1
5	66-7182	• CAP - fitting	1
6	506-364	PLUG - fusible	1
	203-393	SEALER - locking	A/R
	51-1467	SCREW - tank	4
	51-1429	LOCKWASHER	4
	51-1430	FLATWASHER	4
7	66-4788	COUPLING - outlet	1
	203-385	SEALER - removable	A/R
8	91-6627	CAP - dust cover	1
9	55-1827	PLUG - outlet	1
10	91-6628	CAP - dust cover	1
11	61-3504	TUBE - condenser to filter	1
12	61-3525	VALVE - ball	1
13	61-3542	TUBE - valve to dehydrator	1
14	61-1305	TUBE - condenser to condenser	1
15	91-759	CLAMP - tube	2
	51-1462	SCREW - clamp	1
16	55-6730	CLAMP - tube	6
	55-7035	SCREW - clamp	2
	51-167	FLATWASHER	4
17	66-7543	TUBE - stub (1.88 lg)	1
18	66-9447	TUBE - stub (2.25 lg)	1



Revised
4/15/03

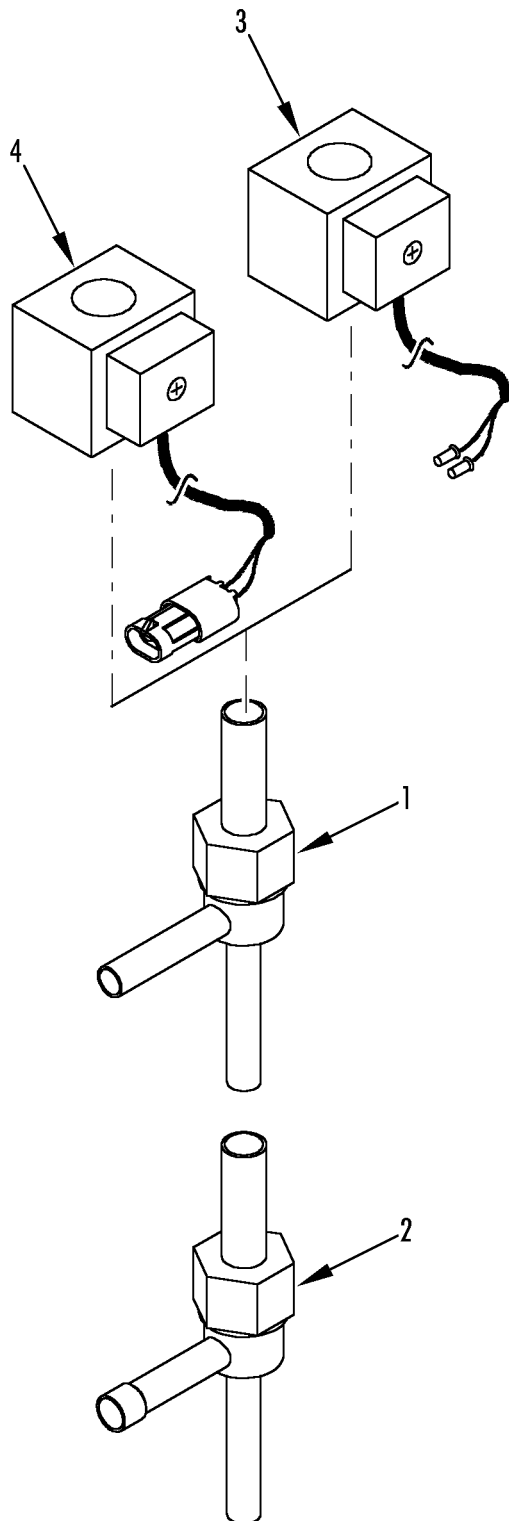
KVQ VALVE



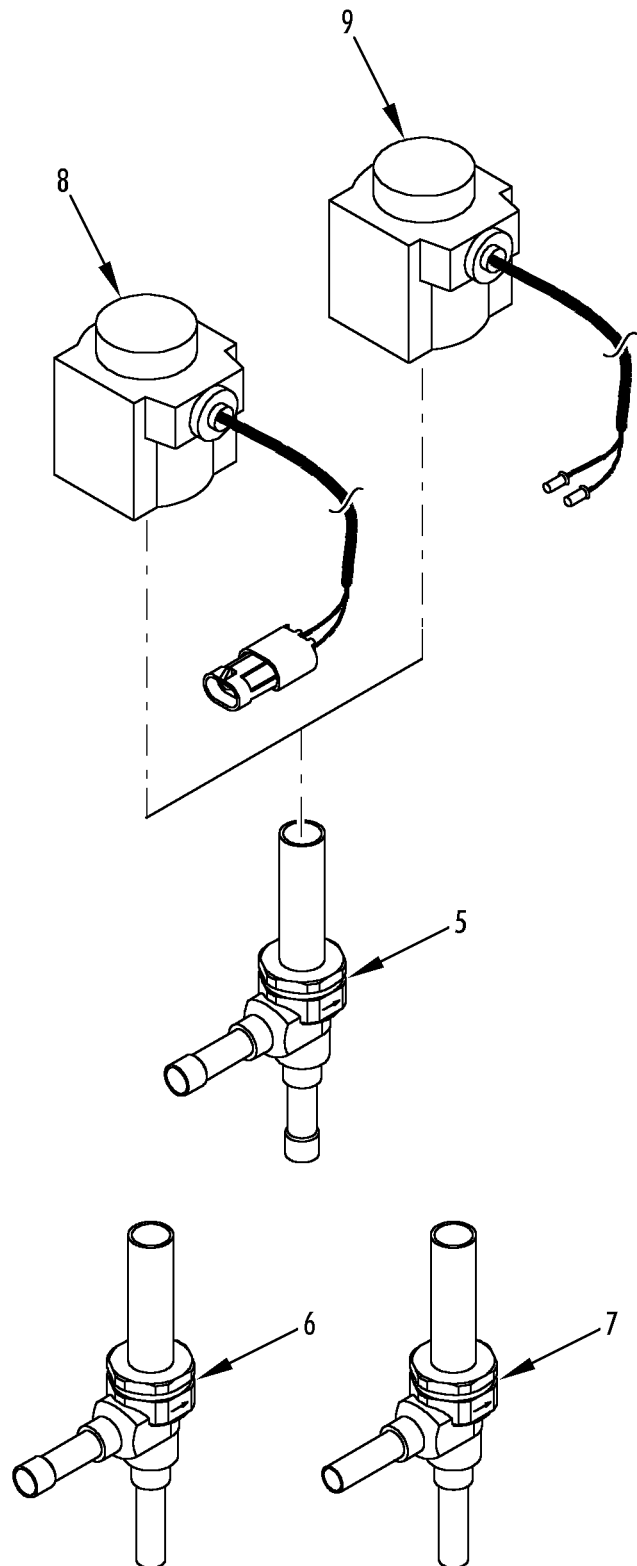
151A5

REF	PART#	DESCRIPTION	QTY
1	66-9163	VALVE - KVQ	1
2	504-980	• ACTUATOR	1
3	41-2603	• HARNESS (before 10/02)	1
	41-5420	• HARNESS (after 9/02)	1
4	503-291	GASKET	1

ALCO

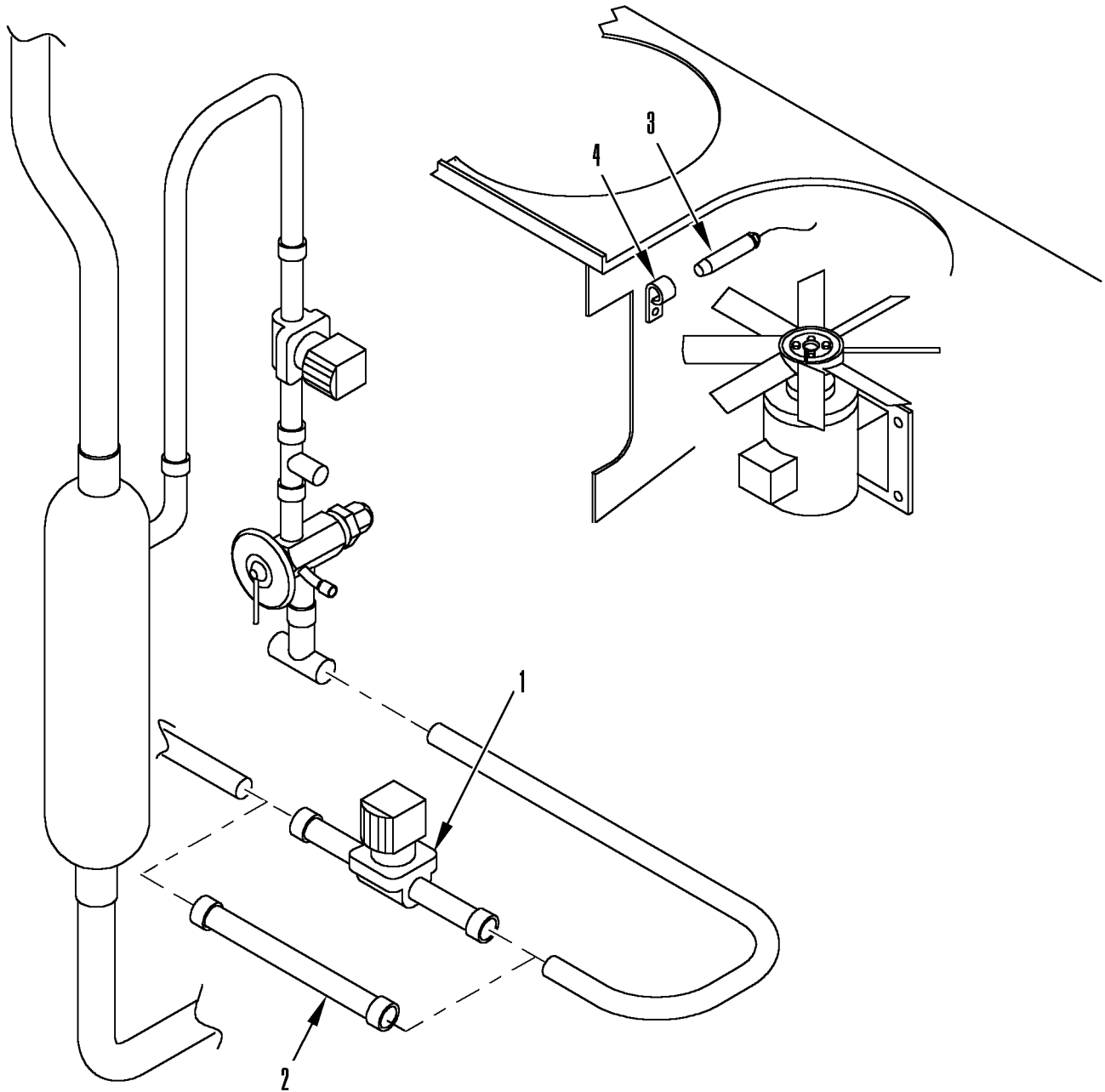


DANFOSS



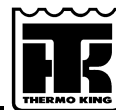


REF	PART#	DESCRIPTION	QTY
1	66-8367	VALVE - liquid injection (w/ coil, 24V, 0.034 orifice, Alco, use on mP-D units only)	1
	66-9866	VALVE - liquid injection (w/o coil, .034 orifice, Alco)	1
2	66-8721	VALVE - liquid injection (w/ coil, 24V, 0.075 orifice, Alco)	1
	66-9195	VALVE - liquid injection (w/ coil, 24V, 0.110 orifice, Alco)	1
	66-9953	VALVE - bypass (w/o coil, 0.110 orifice, Alco used on units w/ modulation valves)	1
	61-681	VALVE - bypass (w/o coil, 0.075 orifice, Alco used on units w/ stepper & modulation valves)	1
3	41-3301	COIL - valve (24V, 2.2 m leads, ALCO)	1
	41-3301	COIL - valve (24V, 2.2 m leads w/ pin terminals, ALCO)	1
4	41-3592	COIL - valve (24V, 200 mm leads w/ 2 pin connector, white, ALCO)	1
	40-782	COIL - valve (24V, 200 mm leads w/ 2 pin connector, green, ALCO)	1
5	66-9168	VALVE - liquid injection (w/o coil, Danfoss)	1
6	61-2351	VALVE - warm gas bypass (w/o coil, Danfoss)	1
7	61-2223	VALVE - liquid injection (CRR, w/o coil, Danfoss)	1
8	41-2399	COIL - liquid line valve (24V, w/ 2 pin connector, gray, Danfoss)	1
9	41-5460	COIL (24V, 2.2 meter leads, Danfoss)	1



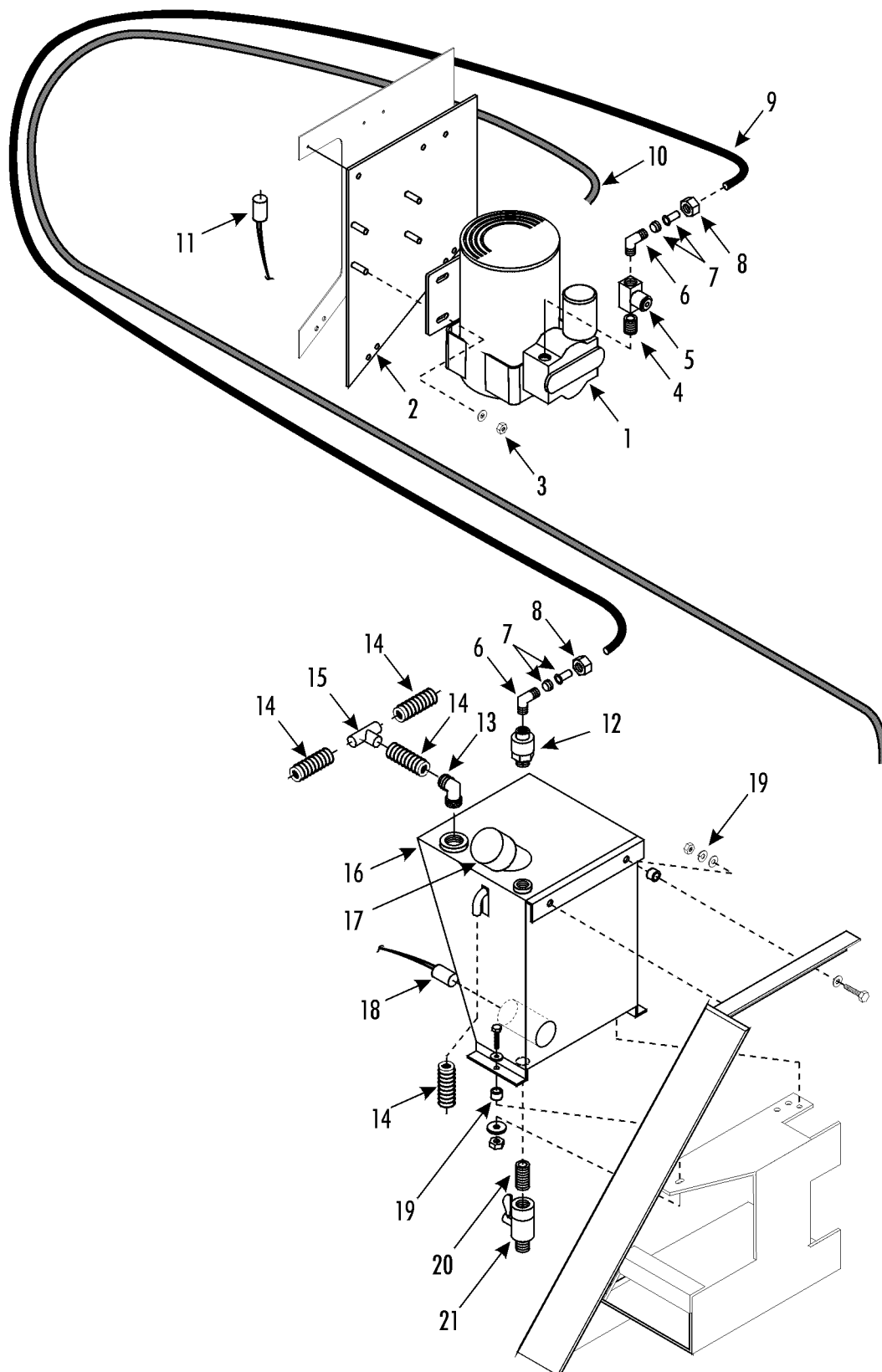
Revised
12/12/05

**HUMIDITY CONTROL (OPTIONS 098104, 098137 &
098188)**



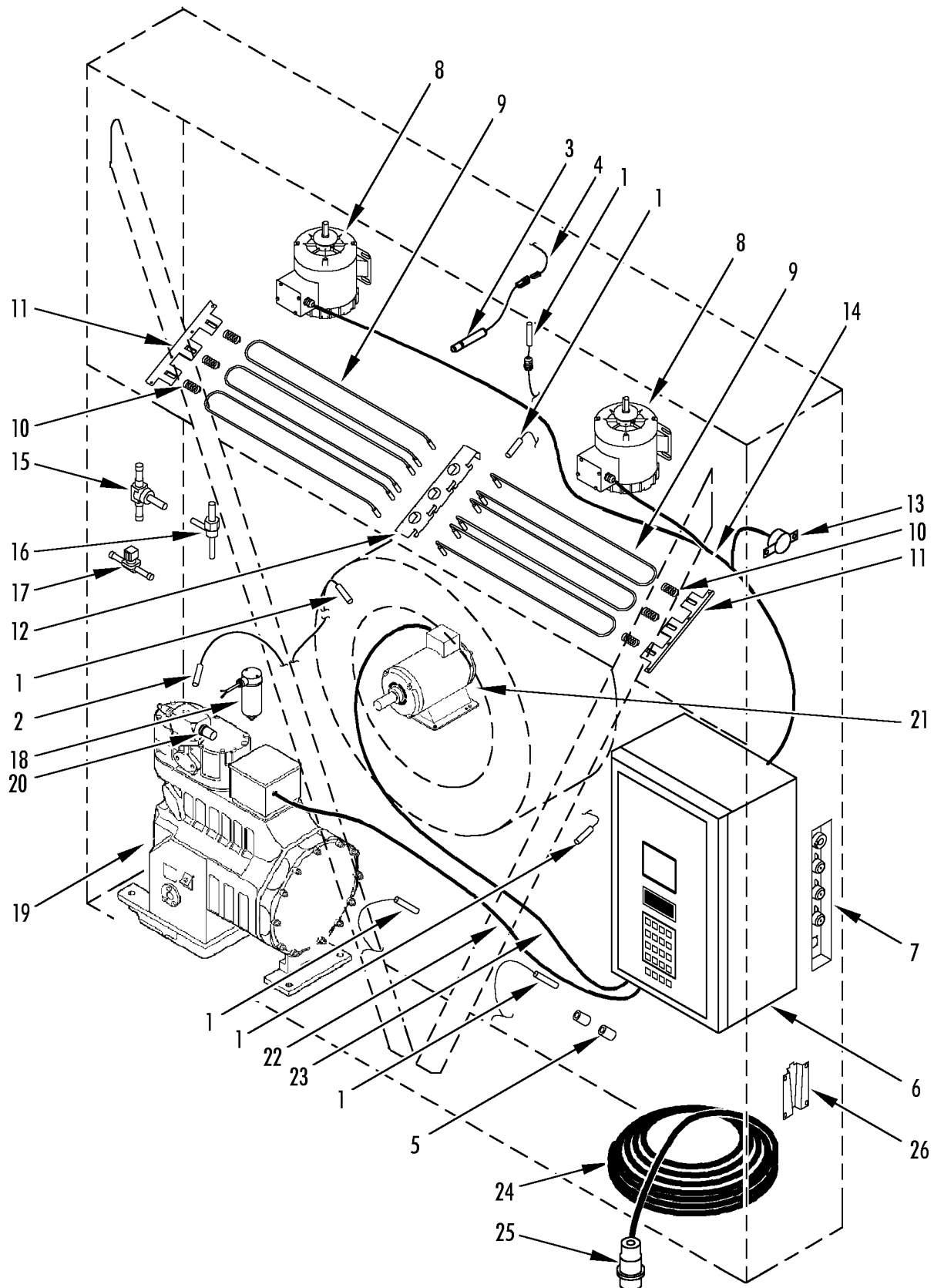
157G7

REF	PART#	DESCRIPTION	QTY
1	41-3303	VALVE - solenoid (humidity control)	1
	41-3301	• COIL	1
2	66-9159	TUBE (replaces valve)	1
3	41-5635	SENSOR - humidity	1
	41-2838	HARNESS - sensor	1
4	55-1203	CLAMP - sensor	2
	55-8991	SPACER - clamp	2
	55-9173	SCREW - clamp	2



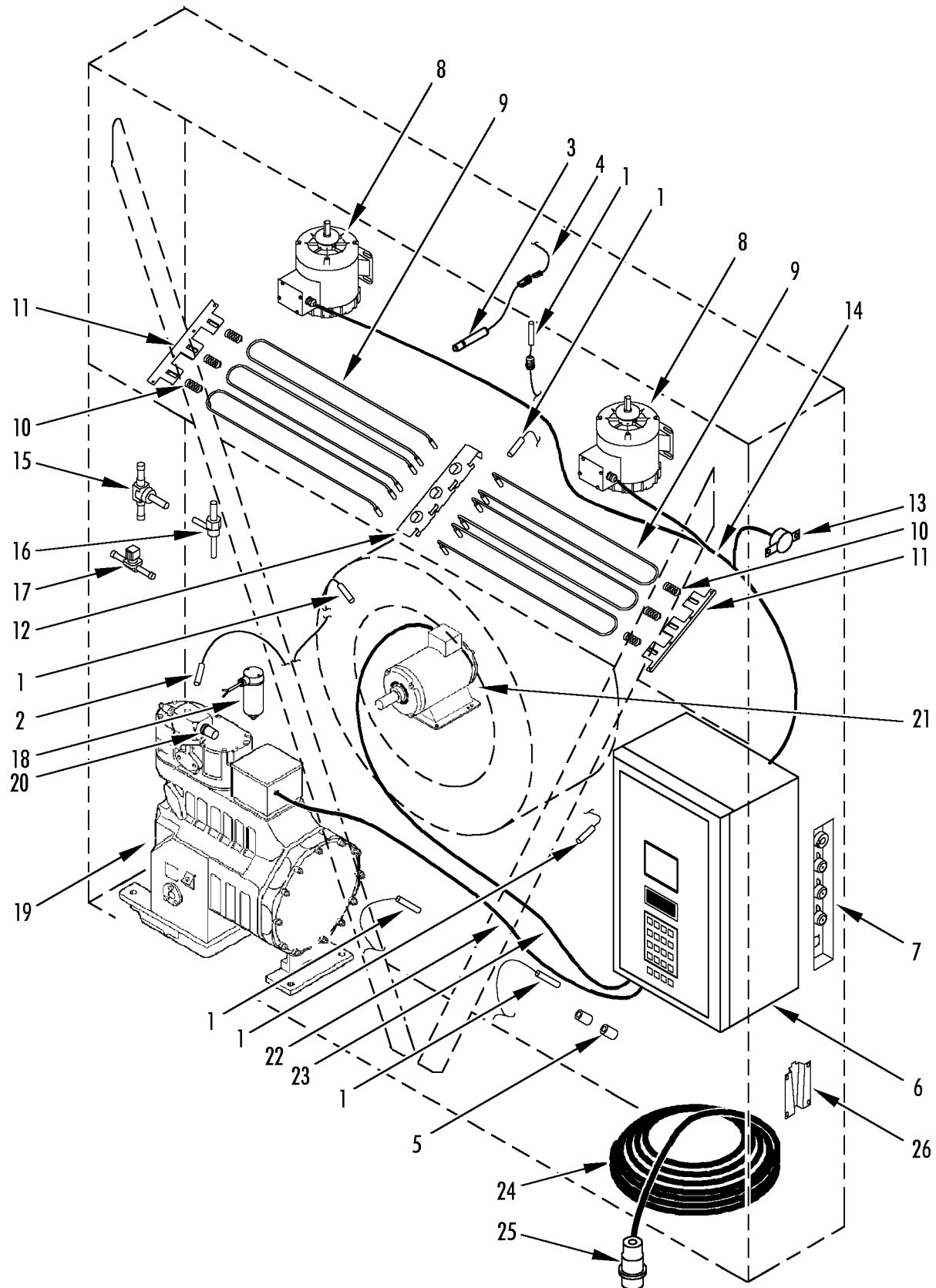


REF	PART#	DESCRIPTION	QTY
1	11-9085	COMPRESSOR - humidity	1
2	91-9002	PLATE - compressor	1
3	55-7339	NUT - compressor	4
	55-7085	FLATWASHER	4
4	55-2561	NIPPLE - compressor to nozzle	1
5	11-9084	NOZZLE - liquid spray	1
6	11-4860	ELBOW - hose (1/4)	2
7	10-243	KIT - sleeve & eyelet (1/4)	2
8	11-4841	NUT - hose (1/4)	2
9	11-4367	HOSE - supply & over flow (1/4 od x 35 ft lg)	A/R
10	41-3117	HARNESS - humidity compressor	2
11	41-5635	SENSOR - humidity	1
12	91-9003	FILTER	1
	91-6236	SCREEN	1
	91-6237	ADAPTER - outlet	1
13	55-6905	FITTING - barb (1/2 mpt, poly)	1
14	11-8983	HOSE - drain	2
15	55-9208	CONNECTOR - T-hose	1
16	11-9082	TANK - humidity	1
17	11-9083	CAP - tank	1
18	41-2691	HARNESS - tank heater	1
19	55-9149	SPACER - tank	4
20	55-4359	NIPPLE	1
21	55-7151	DRAIN COCK	1





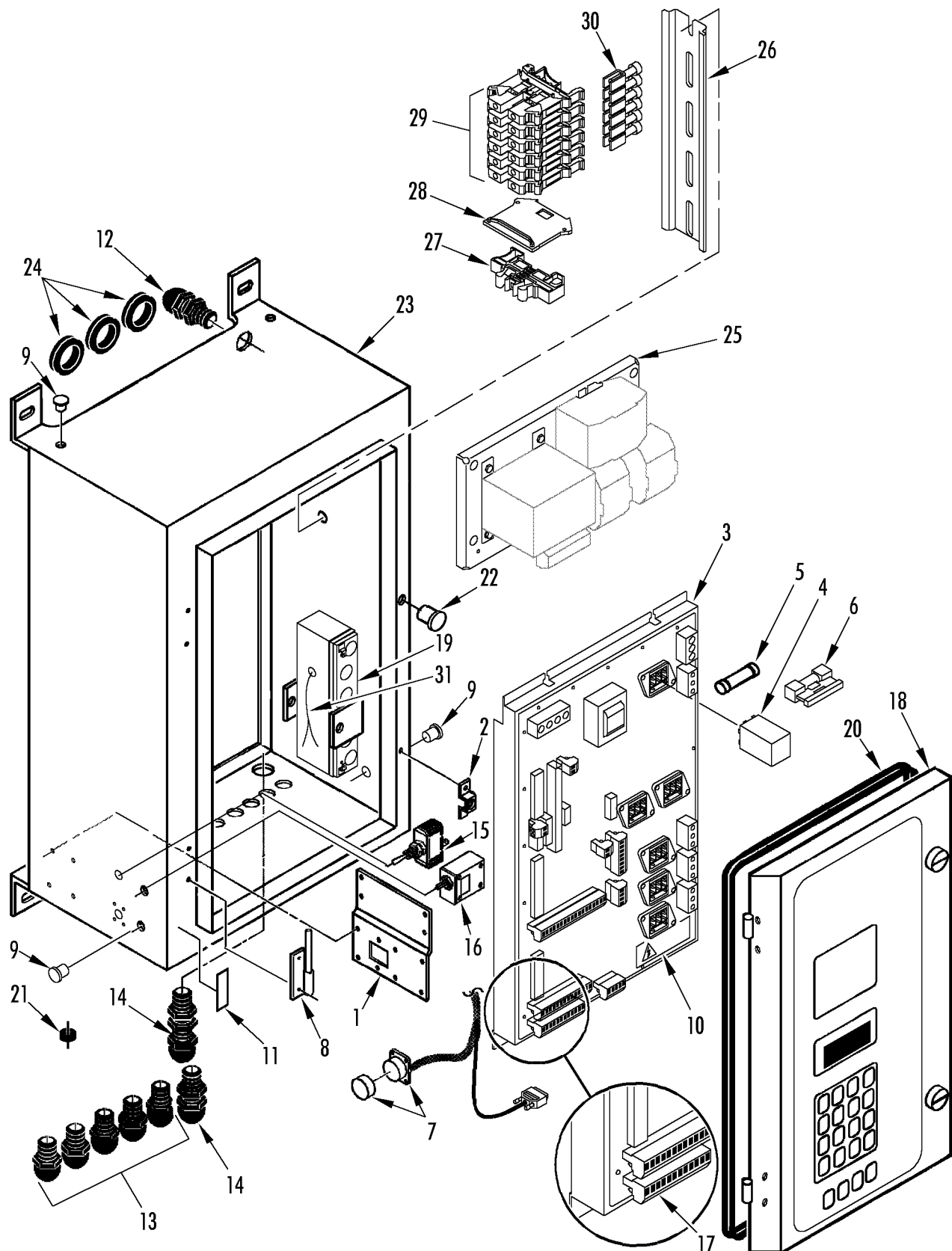
REF	PART#	DESCRIPTION	QTY
1	40-791	KIT - sensor (universal)	A/R
	51-270	CONNECTOR - liquid tite	1
2	41-4300	SENSOR - compressor	1
3	41-5635	SENSOR - humidity (see 147G12)	1
	41-5635	SENSOR - humidity (800E)	1
4	41-2838	HARNESS - sensor (humidity, see 147G12)	1
5	91-9754	POCKET - sensor	1
6	NSS	BOX - control (see 160G2 & 146D7)	1
7	NSS	PANEL - USDA receptacle (see 157H2, 185D6 & 158E2)	1
8	104-691	MOTOR - fan	2
	77-1498	• BEARING - shaft end	1
	77-1401	• BEARING - opposite end	1
9	45-1791	HEATER (680W, 600 mm leads)	6
	45-1927	HEATER (680W, 2 meter leads)	6
10	91-8140	SPRING - heater	6
11	91-8467	BRACKET - heater	2
12	91-8142	BRACKET - heater	1
13	41-3401	THERMOSTAT - defrost termination	1
14	41-3277	HARNESS - evaporator (800 & 800A)	1
	41-3685	HARNESS - evaporator (CRR 40-300)	1
	41-4018	HARNESS - evaporator fan (2 fan units w/o heater doors, 800B & CRR40)	1
15	66-9167	VALVE - solenoid (less coil, see 145E5)	1
	61-2228	VALVE - solenoid (800E)	1
16	66-9168	VALVE - liquid injection (less coil, see 166F6)	1
	61-2223	VALVE - solenoid, liquid injection (800E)	1
17	66-9032	VALVE - solenoid (less coil, dehumidity, see 147G12)	1
18	66-9163	VALVE - KVQ (see 151A5)	1
19	8102-743	COMPRESSOR (see 165C9 & 185E3)	1
20	41-3302	SWITCH - hpco	1
21	104-689	MOTOR - condenser (see 155D4)	1
	77-1498	• BEARING - shaft end	1
	77-1401	• BEARING - opposite end	1
22	41-4015	CABLE - compressor	1
23	41-2953	HARNESS - condenser fan	1
24	45-1942	CABLE - power (22.3 meters, 73 ft)	1
	45-1992	CABLE - power (19.2 meters, 63 ft)	1
25	41-1976	• PLUG - power	1
26	92-270	BRACKET - cable restraint	1
	92-2777	BRACKET - power cable (800E & CRR40)	1
	55-9164	SCREW - cable	1
	55-7357	FLATWASHER	1





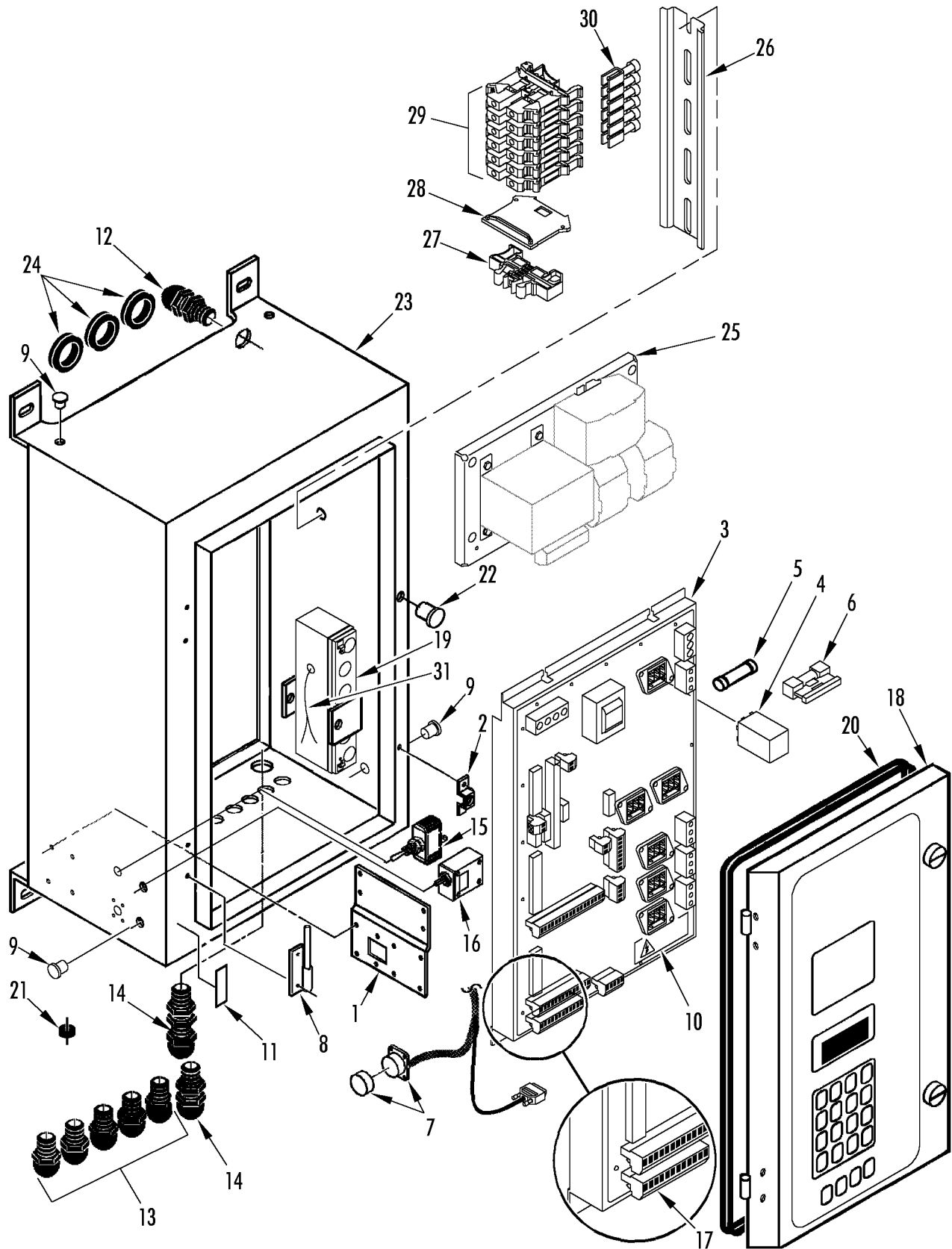
REF	PART#	DESCRIPTION	QTY
	55-7344	NUT	1
	55-7172	SCREW - bracket	4
	55-7075	FLATWASHER	4
	55-7170	LOCKWASHER	4

NOTE: Use Universal Sensor Kit 40-791 to repair all sensors except 41-3594, 41-4156 & 41-4300.



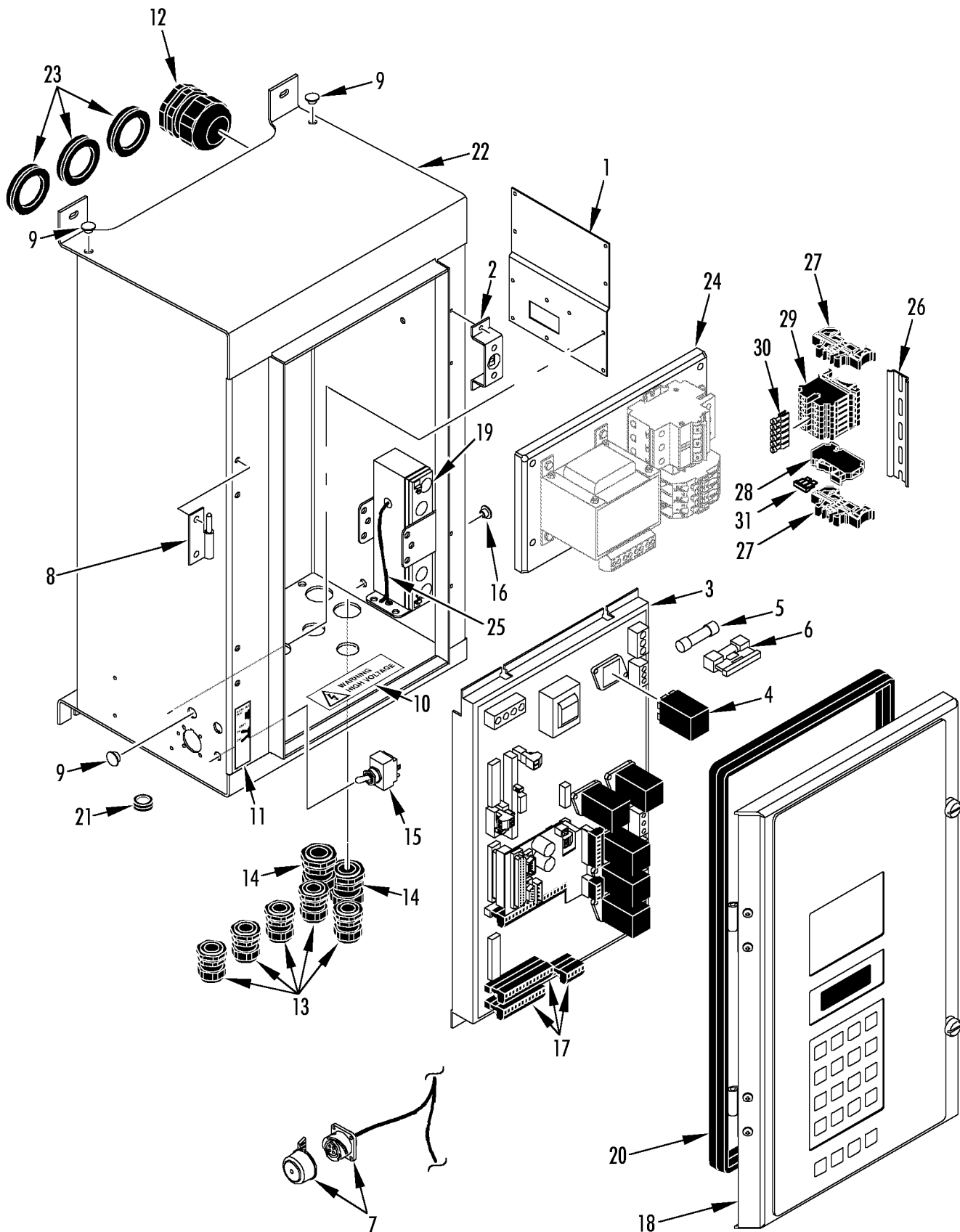


REF	PART#	DESCRIPTION	QTY
1	92-236	BRACKET - diagram	1
	55-3272	RIVET - bracket	4
2	92-237	BRACKET (w/ receptacle)	2
	55-2074	NUT - speed	1
	55-9166	SCREW - bracket	4
	55-9444	WASHER - insulating (nylon)	4
3	845-2834	BOARD - relay (MP3000)	1
	55-9166	SCREW - relay board	6
4	504-514	RELAY - power	6
	92-860	CLIP - relay	6
5	504-970	FUSE (20 amp)	3
6	41-3430	HOLDER - fuse	1
7	41-3402	CABLE - retriever plug	1
	55-3272	RIVET - plug	4
	505-416	CAP - plug	1
8	92-238	HINGE - cover	2
	55-7172	SCREW - hinge	4
	55-8877	WASHER (nylon)	4
	509-955	INSULATOR	2
	55-6995	WASHER	2
	505-566	LOCKWASHER	2
	55-7042	NUT	4
9	505-408	PLUG - seal	3
10	91-9833	NAMEPLATE - Caution	1
11	92-244	NAMEPLATE - on/off	1
12	55-5885	CONNECTOR - liquid tite	1
13	55-8907	FITTING - harness	5
14	55-5257	FITTING - harness	2
15	41-3595	SWITCH - unit on/off	1
	92-239	BOOT - switch	1
16	41-3276	BREAKER - circuit	1
	44-8688	BOOT - circuit breaker	1
	41-2832	CONNECTOR - plug (2 pin)	1
17	41-3596	BLOCK - terminal (4 pole)	1
	41-3597	BLOCK - terminal (5 pole)	1
	41-3598	BLOCK - terminal (8 pole)	1
	41-3851	BLOCK - terminal (12 pole)	1
	41-3599	BLOCK - terminal (14 pole)	1
	41-3608	BLOCK - terminal (18 pole)	1
18	NSS	DOOR - controller (see 158D7)	1
19	203-509	BATTERY (12V, 1.9 AH)	1
20	33-3043	GASKET - cover	1



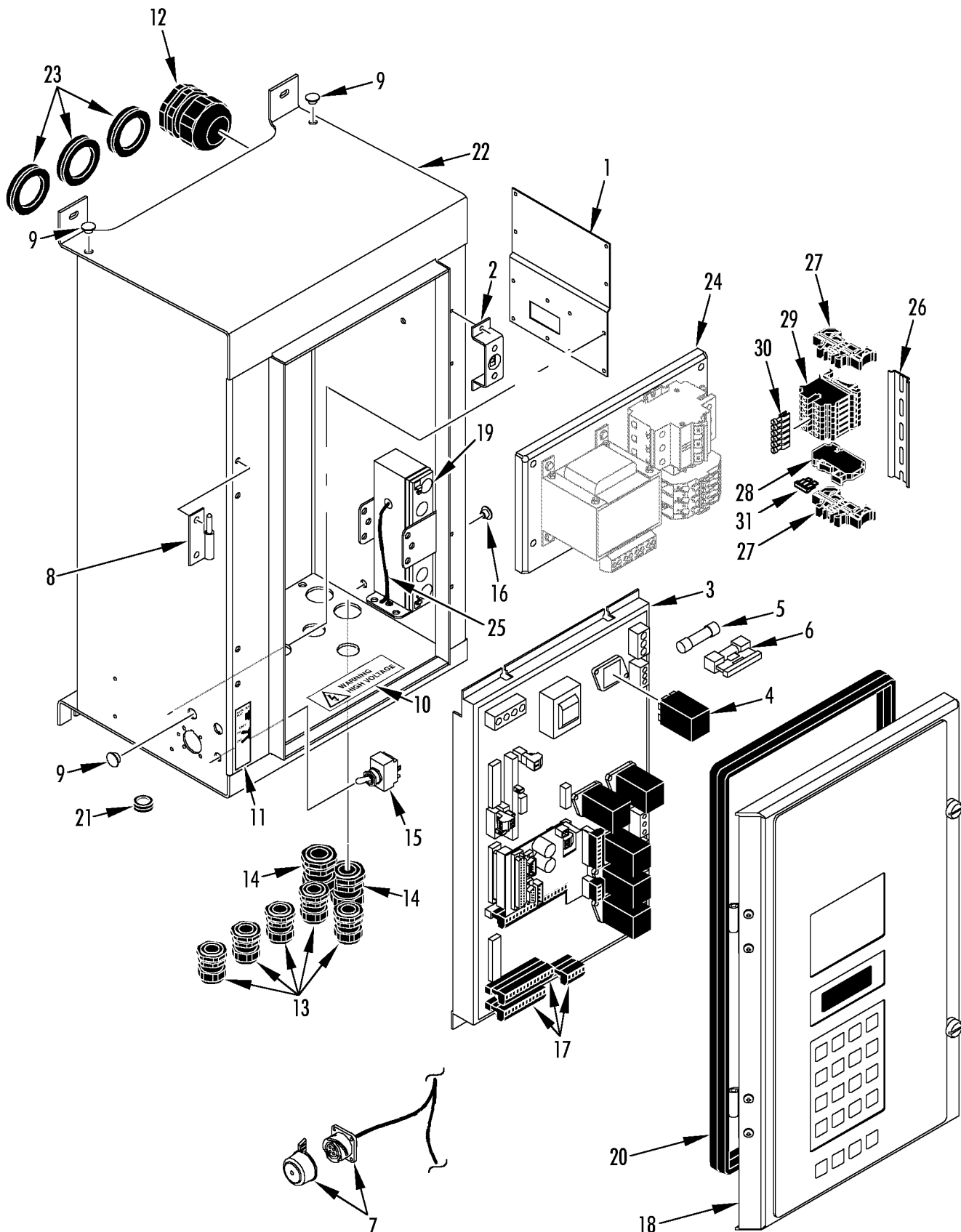


REF	PART#	DESCRIPTION	QTY
21	33-3838	GROMMET	1
22	55-9401	PLUG - seal	3
23	98-5454	BOX - control	1
	55-6994	SCREW - control box	4
	55-7075	FLATWASHER	4
	55-9054	WASHER - insulator	4
24	33-3215	GROMMET	3
25	NSS	TRAY - high voltage (see 158A1 or 146D7)	1
26	309-3066	RAIL - terminal block	1
	55-7169	SCREW - rail	2
	55-7033	FLATWASHER	2
	55-9445	WASHER - insulator	2
	55-7034	NUT	2
27	41-3687	TERMINAL - stop clip	2
28	41-3702	PLATE - end terminal	1
29	41-3688	BLOCK - terminal (UK, heaters)	6
30	41-3703	CONNECTOR - cross	1
31	41-3335	CABLE - battery	1





REF	PART#	DESCRIPTION	QTY
1	92-236	BRACKET - diagram	1
	55-3272	RIVET - bracket	4
2	92-237	BRACKET (w/receptacle)	2
	55-2074	• NUT - speed	4
	55-9166	SCREW - bracket	4
	55-9444	WASHER - insulating (nylon)	4
3	45-2010	BOARD - relay (MP3000)	1
	51-336	SCREW - relay board	6
4	504-514	RELAY - power	6
	92-860	CLIP - relay	6
5	504-970	FUSE (20A)	3
6	41-3430	HOLDER - fuse	3
7	41-3402	CABLE - retriever plug	1
	55-9322	RIVET - plug	4
	41-2406	CAP - plug	1
	99-3685	CHAIN - cap	1
8	92-238	HINGE - cover	2
	55-7172	SCREW - hinge	4
	55-8877	WASHER (nylon)	4
	51-618	INSULATOR	2
	55-7075	WASHER	2
	55-7378	LOCKWASHER	2
	55-7042	NUT	2
9	41-2833	PLUG - seal	2
10	91-9833	NAMEPLATE - Caution	1
11	92-244	NAMEPLATE - On/Off	1
12	41-3686	CONNECTOR - liquid tite	1
13	55-5900	FITTING - harness	5
14	55-5257	FITTING - harness	2
15	41-3595	SWITCH - unit on/off	1
	92-239	BOOT - switch	1
16	51-629	PLUG - seal	3
17	41-2832	CONNECTOR - plug (2 pin, short circuit)	1
	504-327	PLUG (2 pole)	1
	41-3596	BLOCK - terminal (4 pole)	1
	41-3597	BLOCK - terminal (5 pole)	1
	41-3598	BLOCK - terminal (8 pole)	1
	41-3851	BLOCK - terminal (12 pole)	1
	41-3599	BLOCK - terminal (14 pole)	1
	41-3608	BLOCK - terminal (18 pole)	1
18	NSS	DOOR - controller (see 157D7)	1
19	203-509	BATTERY (12V, 1.9 AH)	1

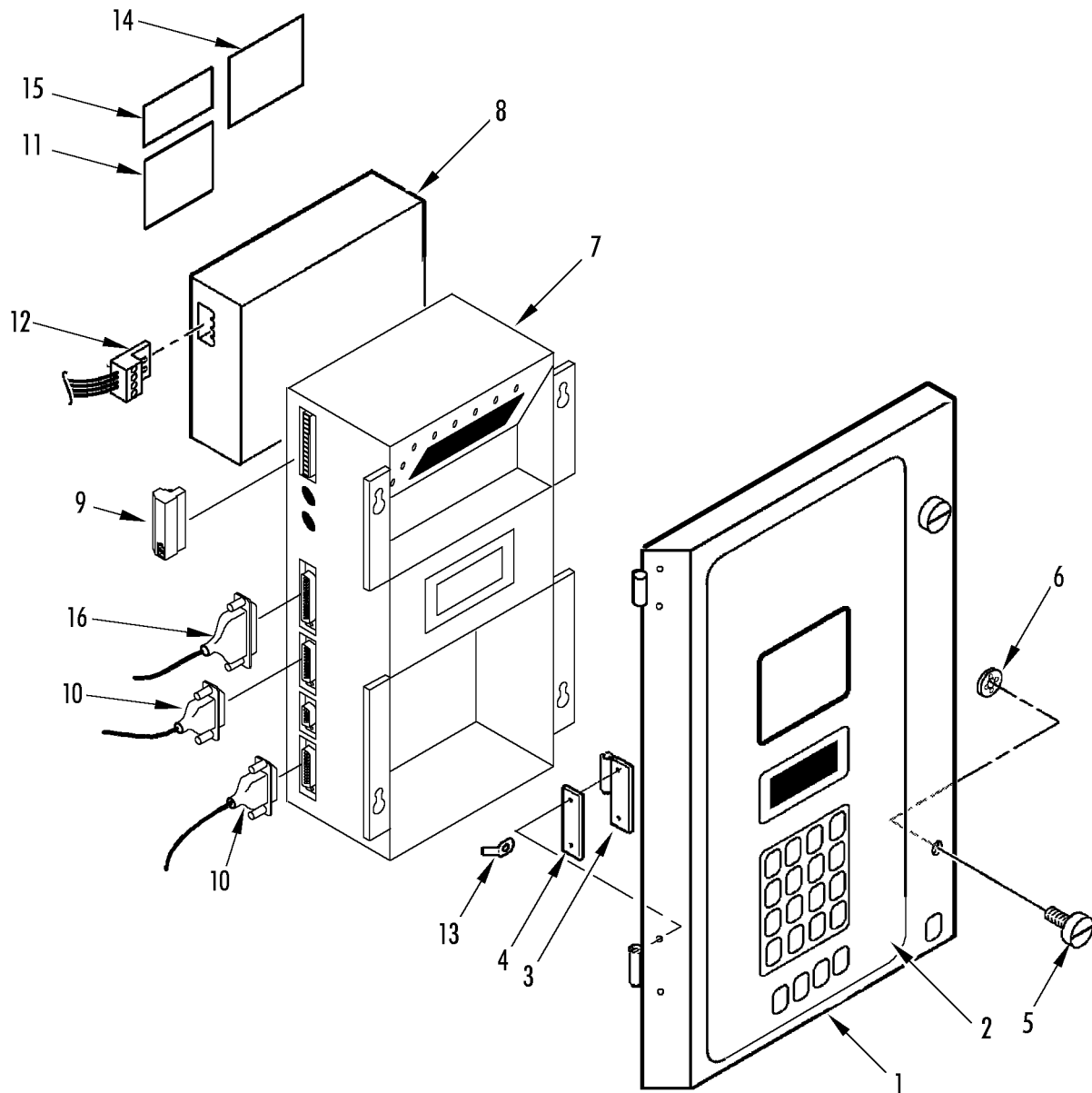


CONTROL BOX (HEATER WIRING INSIDE BOX)



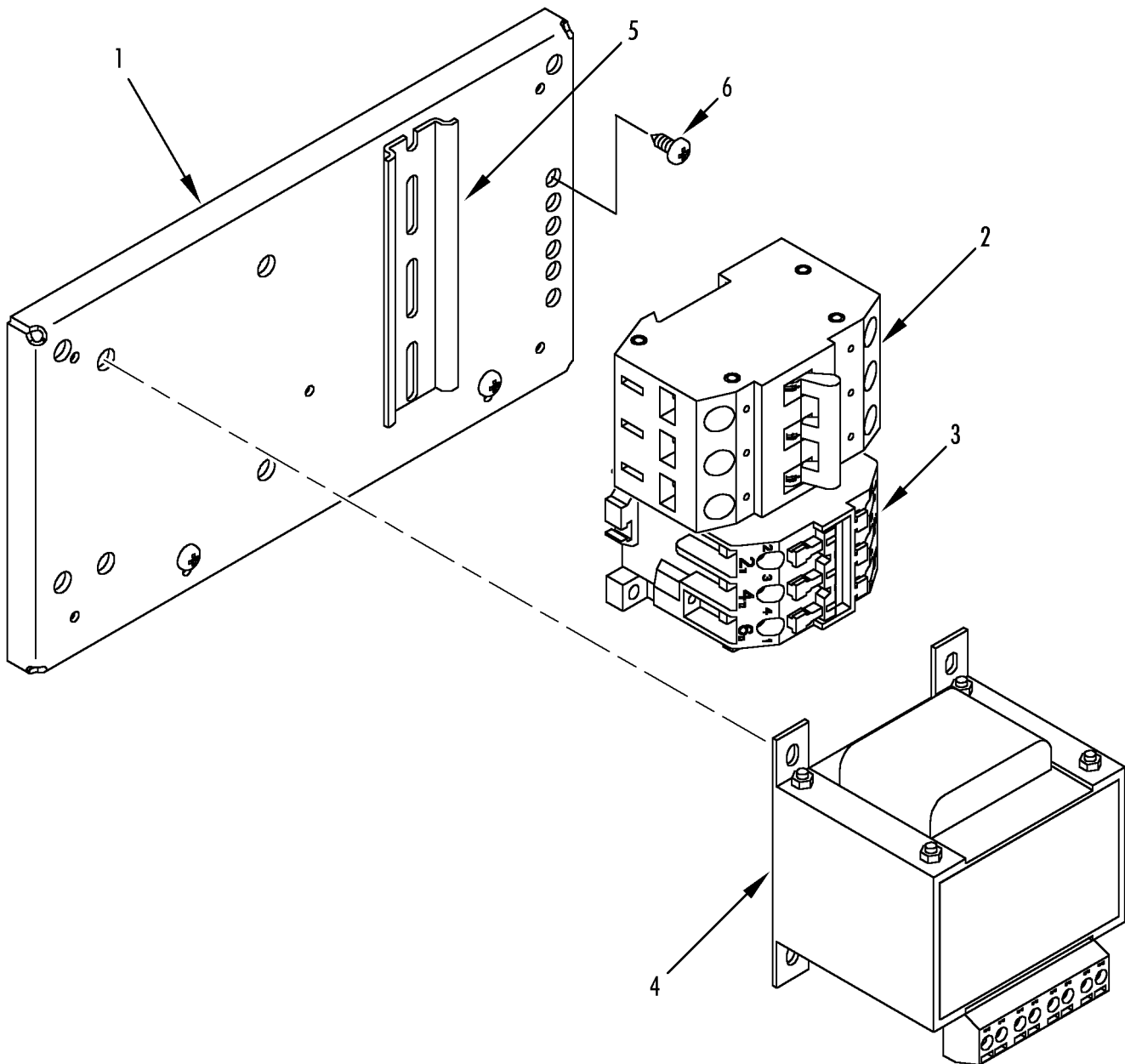
185E1

REF	PART#	DESCRIPTION	QTY
	55-9759	SCREW - battery	1
	55-6995	FLATWASHER	2
	55-7042	NUT	1
20	33-3837	GASKET - cover	1
21	33-3838	GROMMET	1
22	98-5454	BOX - control	1
	55-6994	SCREW - control box	4
	51-167	FLATWASHER	4
	55-9054	WASHER - insulator	4
23	33-3215	GROMMET	3
24	NSS	TRAY - high voltage (see 146D7)	1
25	41-3335	CABLE - battery	1
	41-4527	• CONNECTOR (7 pin)	1
	44-6381	• CONNECTOR (2 pin)	2
26	309-3066	RAIL - terminal block	1
	55-7169	SCREW - rail	2
	55-7033	FLATWASHER	2
	55-9445	WASHER - insulator	2
	55-7034	NUT	2
27	41-3687	TERMINAL - stop clip	2
28	41-5105	PLATE - end terminal	1
29	41-3688	BLOCK - terminal	6
30	41-3703	CONNECTOR - cross	1
31	44-9359	FUSE (7.5 amp)	1



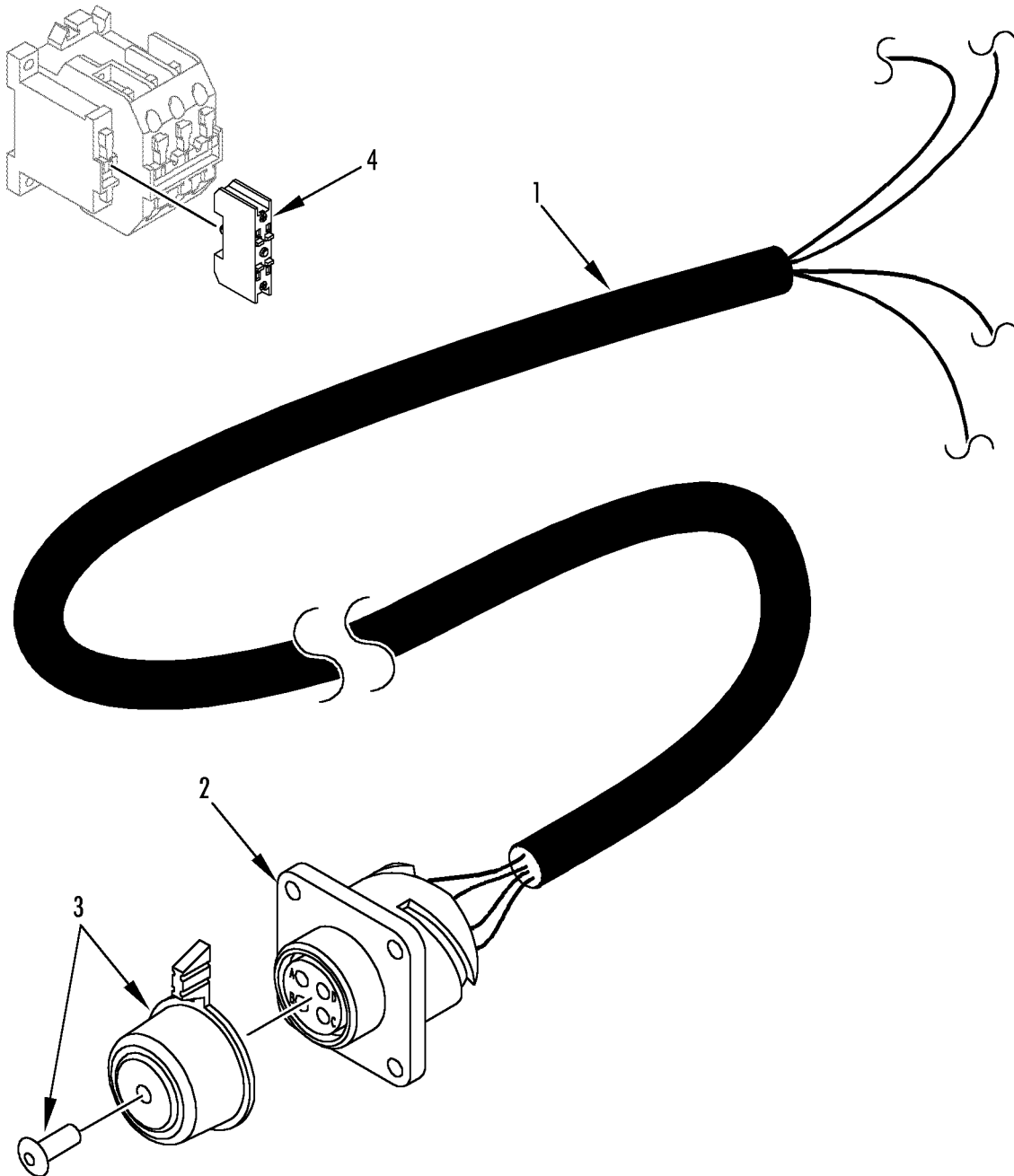


REF	PART#	DESCRIPTION	QTY
1	91-9380	DOOR - control box	1
2	41-4142	KEYPAD (MP3000)	1
3	91-9381	HINGE - door	2
	55-7407	SCREW - hinge	4
	55-9444	WASHER (nylon)	4
	55-7033	WASHER	8
	55-7034	NUT	4
4	55-9392	INSULATOR - hinge	2
5	55-9393	SCREW - door	2
6	55-8919	RETAINER - screw	2
7	845-1909	CONTROLLER (MP3000)	1
	55-7034	NUT - controller	4
	55-8919	LOCKWASHER	2
	55-9444	WASHER - insulating (nylon)	4
8	845-1898	MODEM - RMM (option 098158, 098159)	1
9	41-3335	CONNECTOR (7 pin)	1
10	41-3602	CABLE - connecting (25 pin, No. 1 & 3)	2
11	91-9976	NAMEPLATE - Relay Board	1
12	41-3603	CABLE - connecting (RMM, option 098158, 098159)	1
13	55-9395	ADAPTER - push-on	1
	505-511	NUT	1
14	91-9382	NAMEPLATE - Controller Warning	1
15	91-9383	NAMEPLATE - Phase Select	1
16	41-2835	CABLE - connecting (No. 2)	1





REF	PART#	DESCRIPTION	QTY
1	91-9913	PLATE - bottom	1
	55-7372	SCREW - plate to box	4
	51-619	WASHER - insulator	4
	55-7075	FLATWASHER	4
	55-7378	LOCKWASHER (internal tooth)	4
	55-7042	NUT	4
2	41-5104	BREAKER - circuit (25 amp)	1
3	41-3605	CONTACTOR (CI 25)	1
4	41-3317	TRANSFORMER	1
	55-9396	SCREW - transformer	4
5	91-9273	RAIL - din	1
	55-7404	LOCKWASHER	6
6	55-9166	SCREW (pan hd)	9



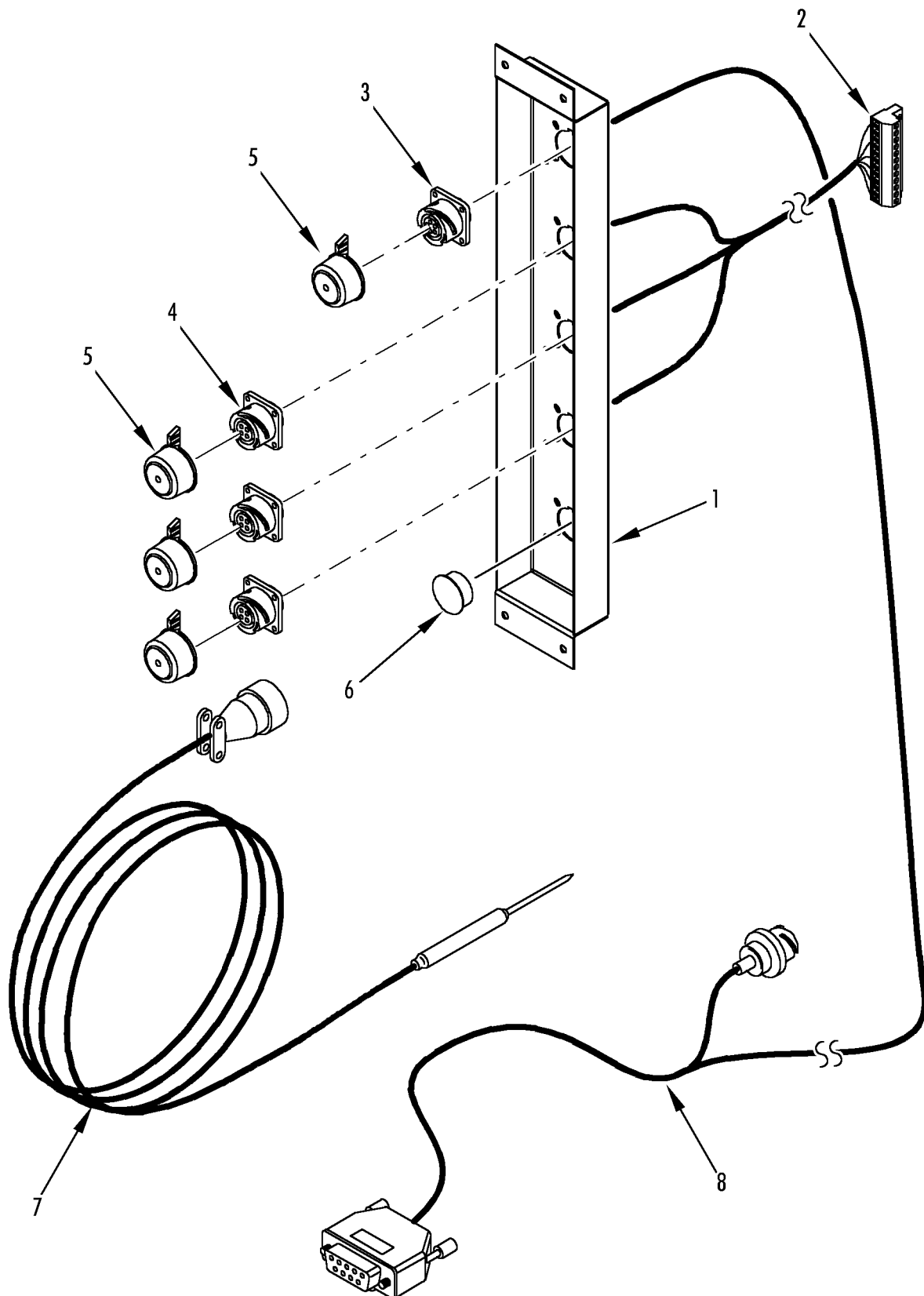
Revised
2/25/04

**REMOTE MONITOR OPTION (098182 CSR; 098144
CRR; 098182 CSR)**



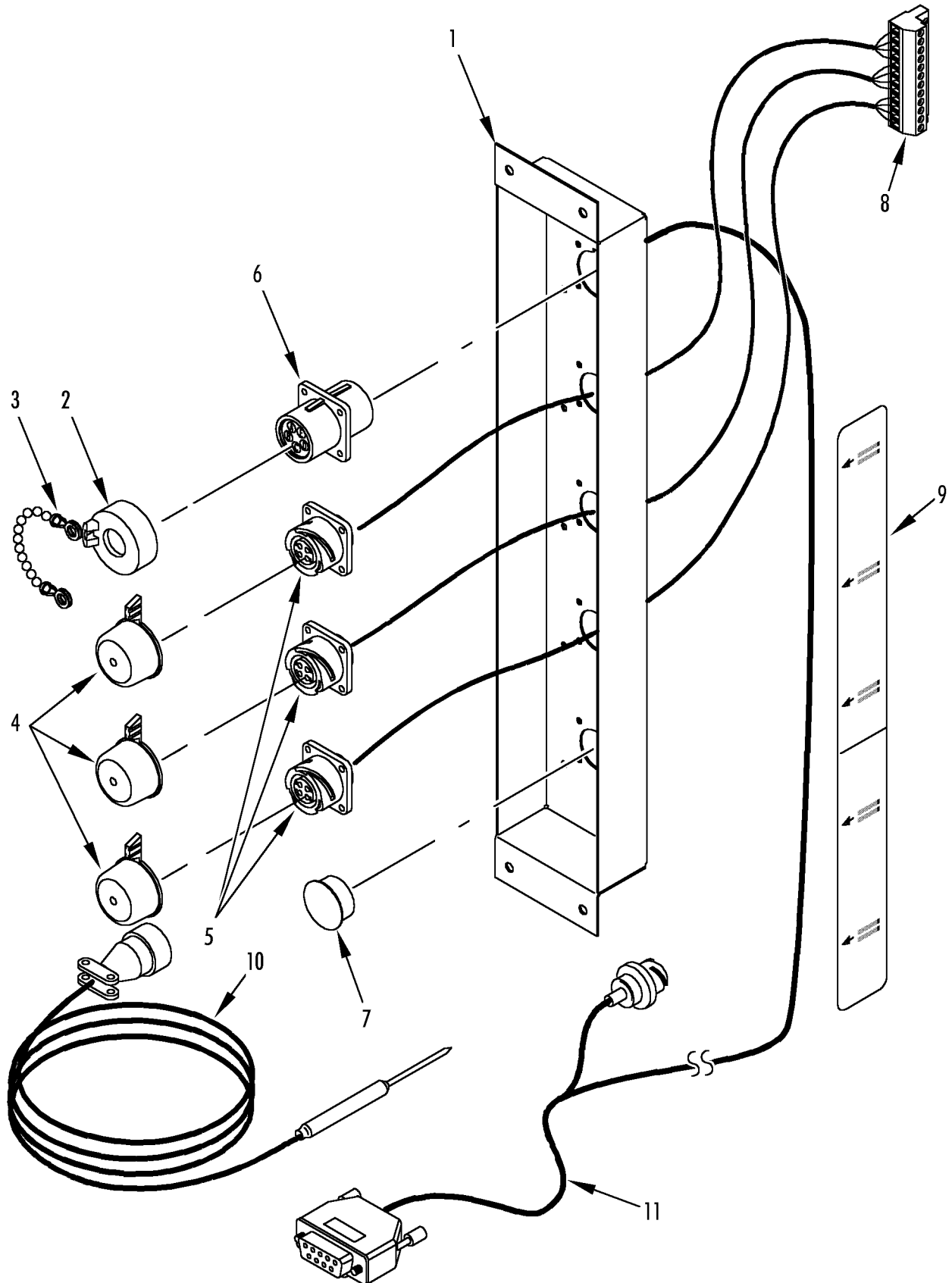
158A5

REF	PART#	DESCRIPTION	QTY
1	41-3606	HARNESS - remote monitor	1
2	41-3607	• RECEPTACLE (4 pin)	1
	55-9322	RIVET - receptacle	4
3	92-206	CAP - plug	1
	55-9323	RIVET - cap	1
4	41-5309	CONTACTOR - auxiliary (CSR units)	2

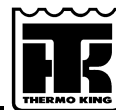




REF	PART#	DESCRIPTION	QTY
	41-3336	PANEL - USDA, assembly	1
1	91-9834	• PANEL - USDA receptacle	1
2	41-3585	• CONNECTOR (12 pin)	1
3	41-3586	• RECEPTACLE (5 pin, cannon, bayonet)	1
4	41-3587	• RECEPTACLE (4 pin, cannon, bayonet)	3
	55-9322	• RIVET - receptacle	16
5	41-3588	• CAP - receptacle	4
	55-3272	• RIVET - cap	4
6	92-206	• CAP - plug	1
	55-9211	RIVET - panel	4
7	41-5405	SENSOR - PT100 (4 pin, cannon, bayonet)	4
8	41-2853	CABLE & PLUG - retriever (cannon threaded)	1

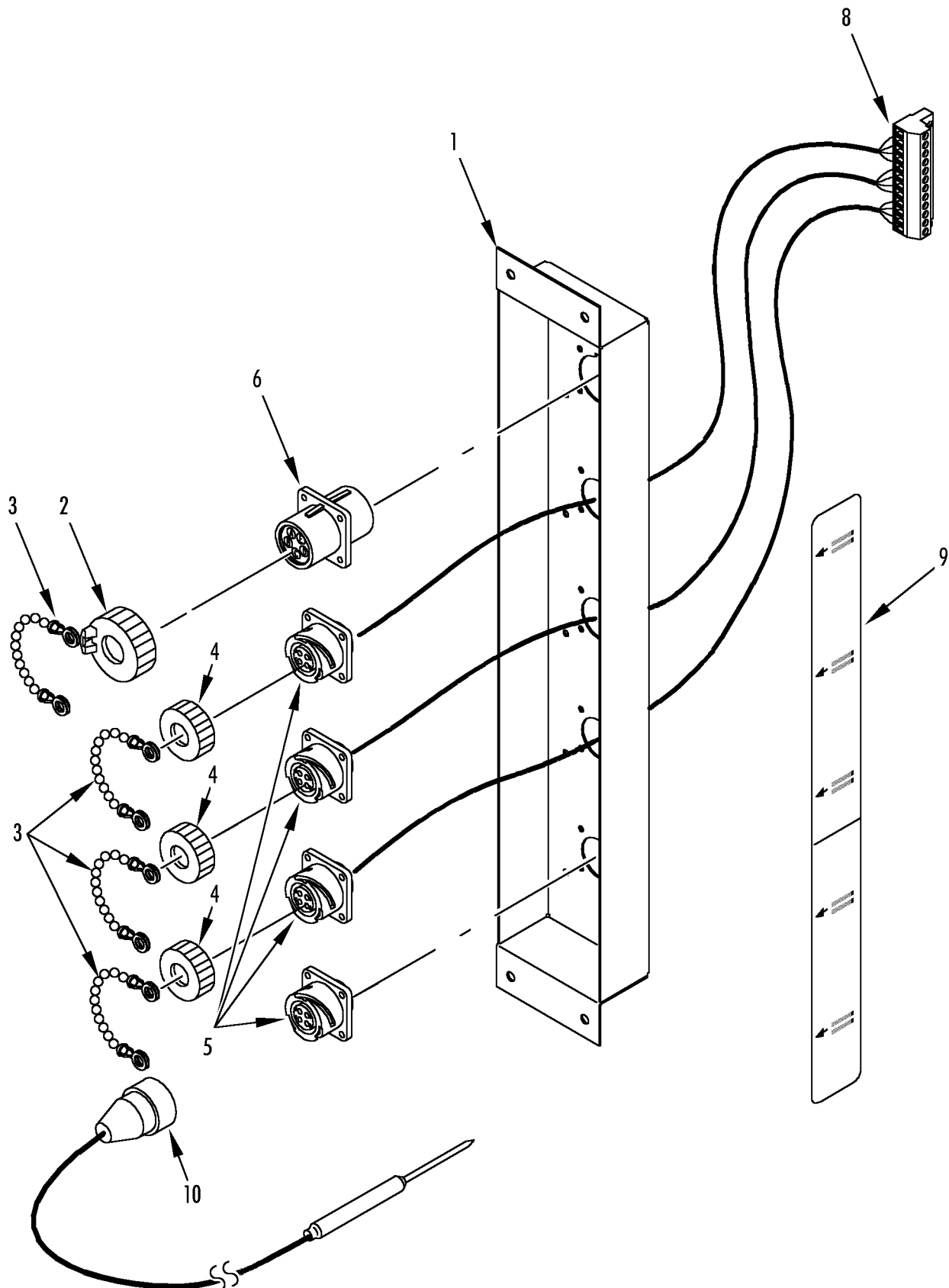


USDA DOWNLOAD PANEL (DEUTSCH CONNECTORS)



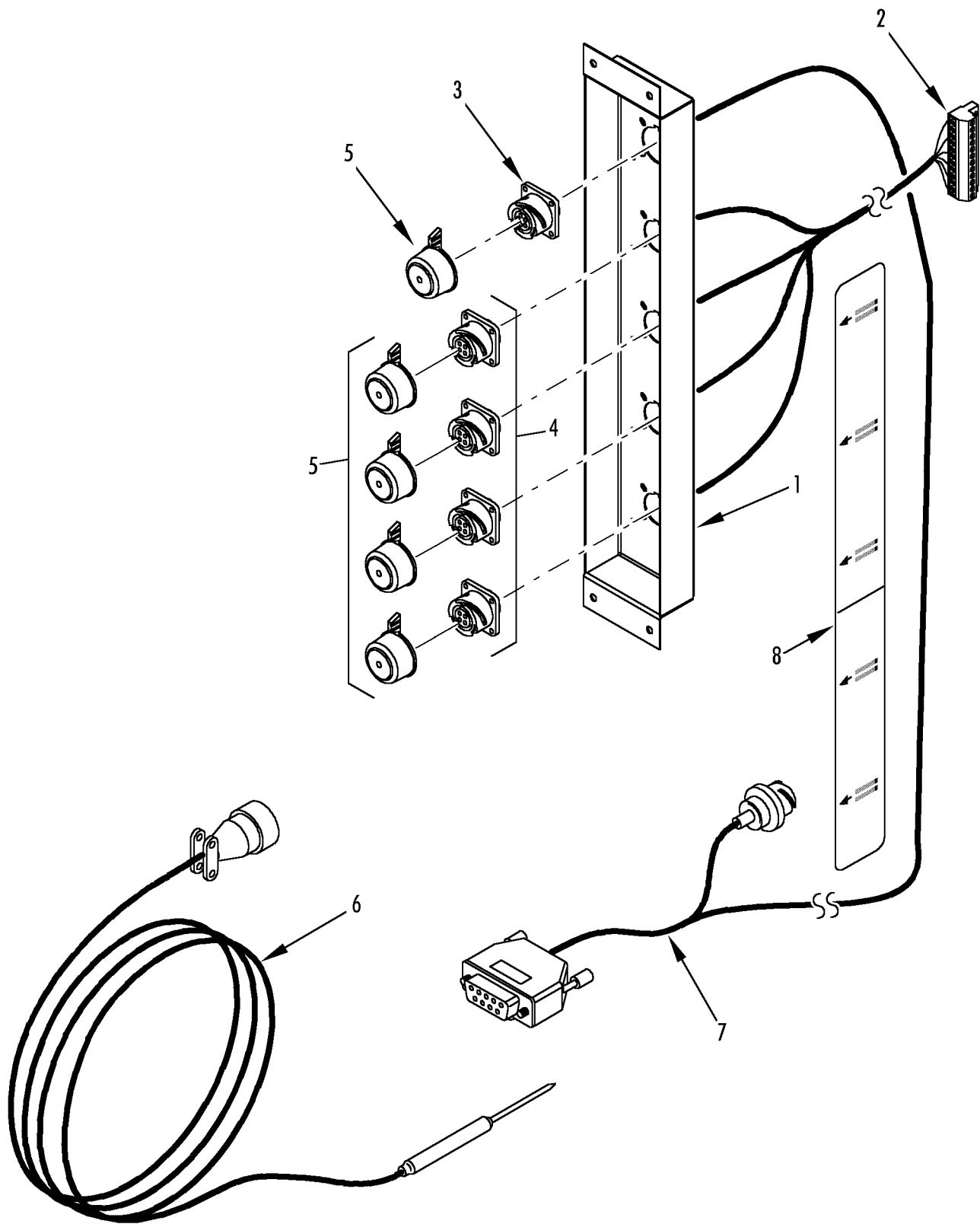
160F3

REF	PART#	DESCRIPTION	QTY
1	91-9834	PANEL - USDA receptacle (before 4/00)	1
	92-428	PANEL - USDA receptacle (4/00 & after)	1
	55-3272	RIVET - panel	4
2	41-2406	CAP - dust	1
3	99-3685	CHAIN - cap	1
4	41-3588	CAP - dust	3
	55-9322	RIVET - cap	4
5	304-2772	RECEPTACLE (3 pin, Deutsch)	3
	55-9322	RIVET - connector	16
6	41-2405	RECEPTACLE (5 pin, Deutsch)	1
7	55-9402	PLUG - spare hole	1
8	41-3585	CONNECTOR - plug (12 pin)	1
9	92-243	NAMEPLATE - data download USDA	1
10	41-3107	SENSOR (3 pin, Deutsch, 14 m)	4
11	41-3402	CABLE & PLUG - retriever (Deutsch)	1



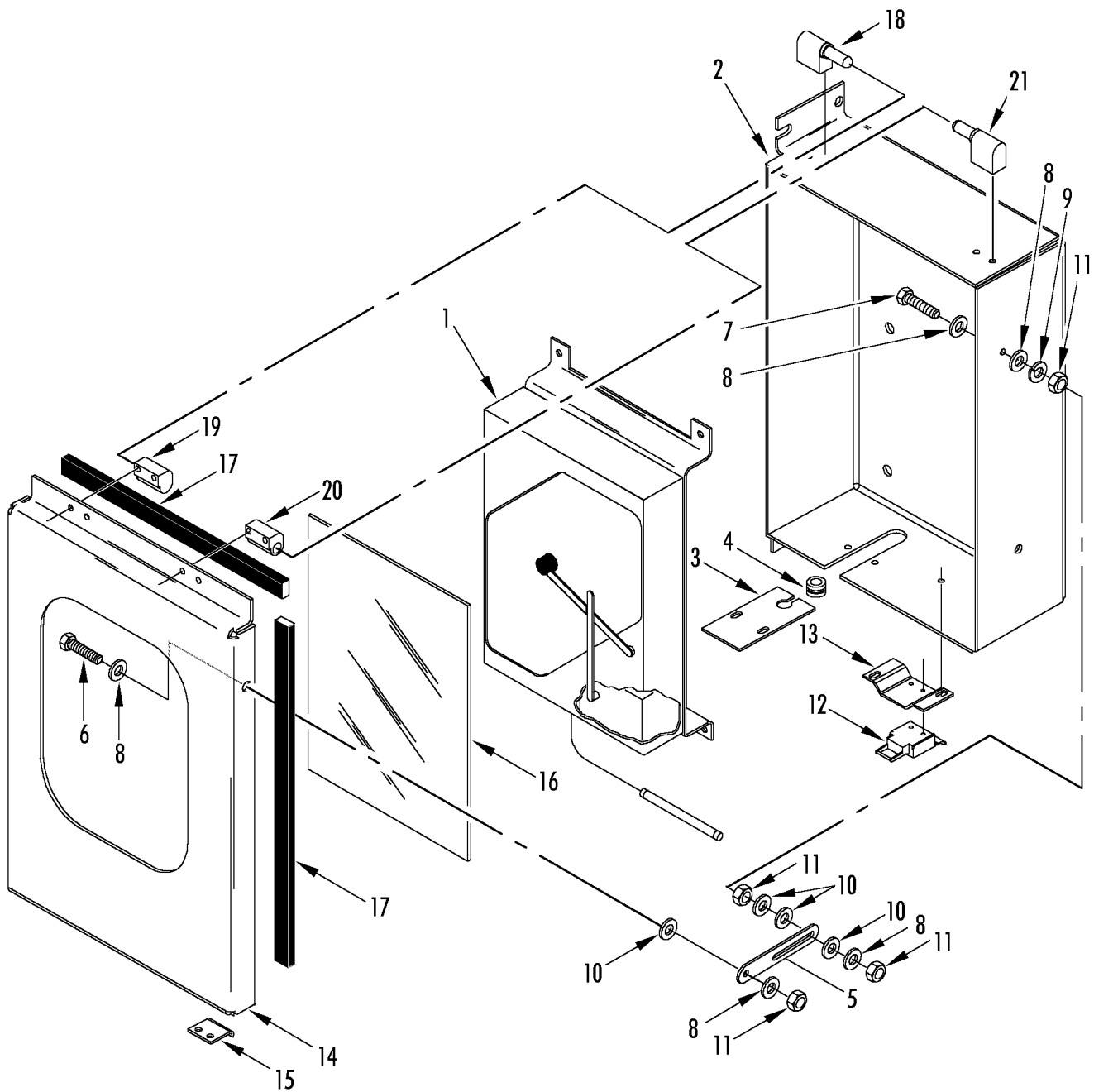


REF	PART#	DESCRIPTION	QTY
1	91-8645	PANEL - USDA receptacle	1
	55-7713	RIVET - panel	4
2	41-2406	CAP - dust	1
3	99-3685	CHAIN - cap	5
4	41-890	CAP - dust	4
	55-9323	RIVET - cap	4
5	41-4016	RECEPTACLE (4 pin)	4
	55-2270	RIVET - receptacle	16
	55-8410	FLATWASHER	16
6	41-2405	CONNECTOR - receptacle (5 pin)	1
	55-2265	RIVET - receptacle	5
	55-7697	FLATWASHER	5
8	41-3585	CONNECTOR - plug (12 pin)	1
9	92-243	NAMEPLATE - data download USDA	1
10	41-3107	SENSOR - thermistor (USDA)	4



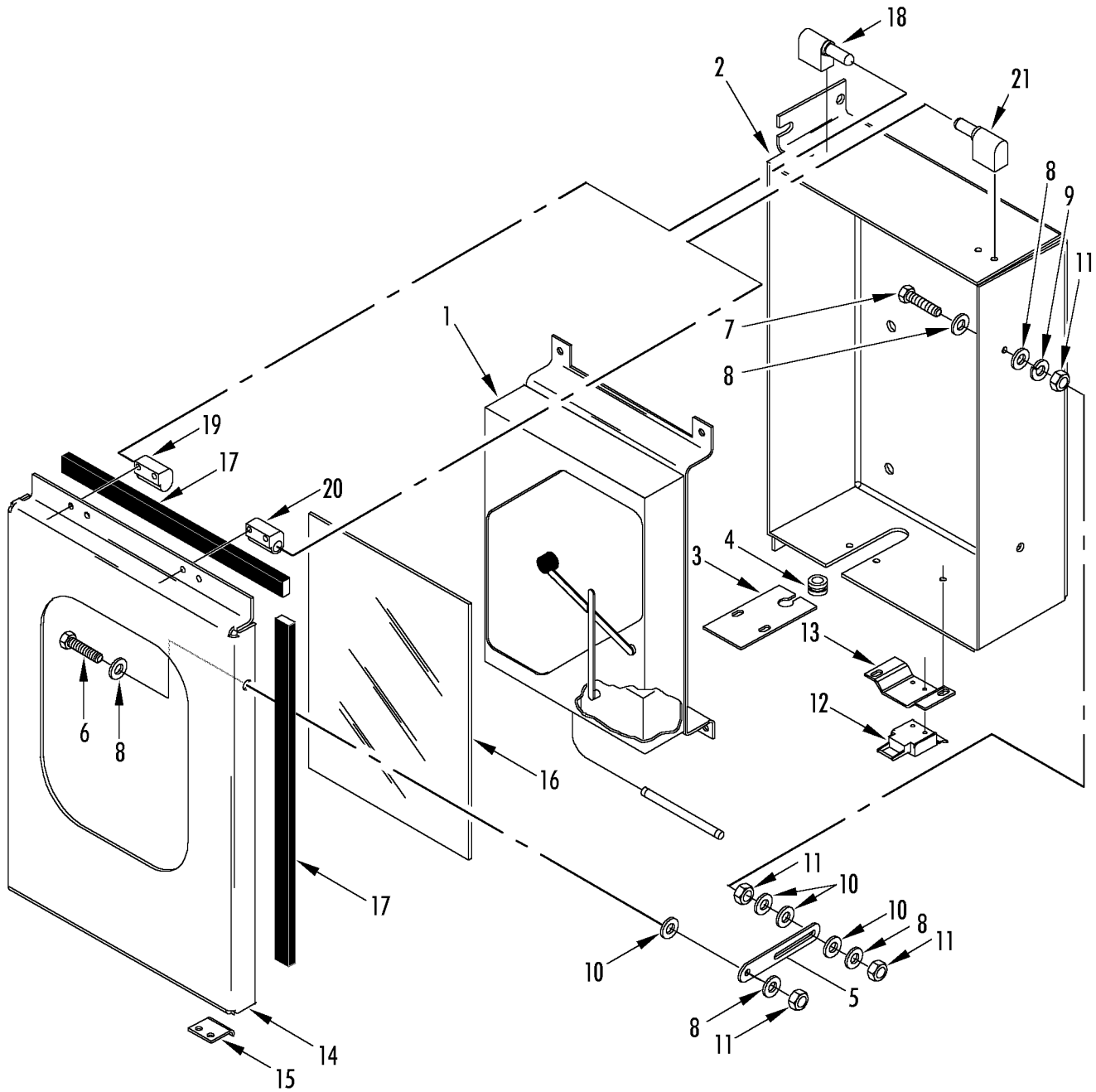


REF	PART#	DESCRIPTION	QTY
1	92-428	PANEL - USDA receptacle	1
	51-620	RIVET - panel	4
2	41-5416	CONNECTOR (16 pin)	1
3	41-2405	CONNECTOR - receptacle (5 pin, cannon bayonet)	1
4	41-3587	RECEPTACLE (4 pin, cannon bayonet)	4
	55-3272	RIVET - receptacle	20
5	41-3588	CAP - receptacle	5
	55-9323	RIVET - cap	5
6	41-3107	SENSOR (PT 100, 15 m)	1
7	41-3402	CABLE & PLUG - retriever	1
8	92-243	NAMEPLATE - USDA data download	1





REF	PART#	DESCRIPTION	QTY
1	45-1830	THERMOMETER - recording (31 day, see 147B2)	1
	45-1834	THERMOMETER - 7 day (recording, see 147G13)	1
	55-7172	SCREW - recorder	4
	55-6996	LOCKWASHER	4
	55-6995	FLATWASHER	4
2	91-8705	BOX - recorder	1
	55-7341	SCREW - box	4
	55-6988	FLATWASHER	4
	55-8953	WASHER (nylon)	4
3	91-4218	PLATE - box (bottom)	1
	55-7340	SCREW - plate	2
	55-7033	FLATWASHER	4
	55-7404	LOCKWASHER	2
	55-7354	NUT	2
4	33-451	GROMMET	1
5	99-7230	GUIDE - latch	1
6	55-7169	SCREW - guide (12 mm)	1
7	55-8720	SCREW - guide (25 mm)	1
8	55-7033	FLATWASHER	4
9	55-7404	LOCKWASHER	1
10	55-9444	WASHER - insulating (nylon)	4
11	55-7034	NUT	4
12	91-5005	LATCH - cover	1
	55-2988	RIVET - latch	2
13	91-5006	BRACKET - latch	1
	55-7340	SCREW - bracket	2
	55-7033	FLATWASHER	4
	55-7404	LOCKWASHER	2
	55-7354	NUT	2
14	98-7209	COVER - recorder (incl items 15, 16 & 17)	1
15	91-5007	• PLATE - keeper	1
	55-2988	• RIVET - plate	2
16	91-8707	• WINDOW	1
17	33-3008	• GASKET - cover	4
	91-4219	HINGE SET - left	1
18	91-8708	• HINGE - right (w/ pin)	1
19	91-8725	• HINGE - right (w/o pin)	1
	55-7169	SCREW - hinge	8
	55-7033	FLATWASHER	8
	55-7404	LOCKWASHER	8
	91-4220	HINGE SET - right	1



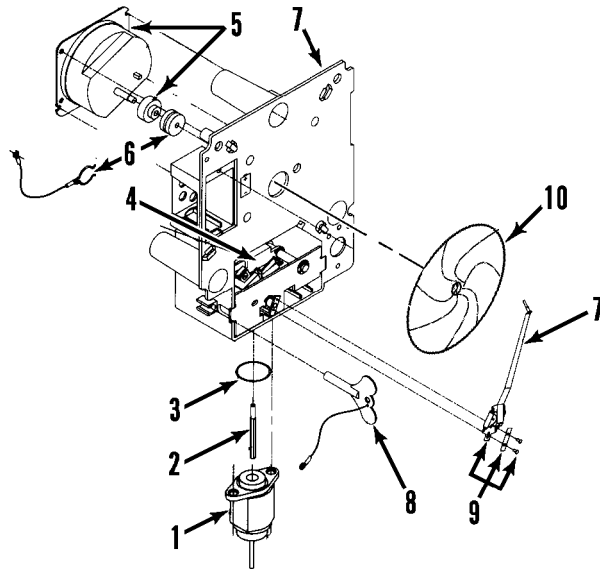
Revised
8/30/05

RECORDING THERMOMETER (OPTION 098025)



147A4

REF	PART#	DESCRIPTION	QTY
20	91-8709	• HINGE - left (w/ pin)	1
21	91-8726	• HINGE - left (w/o pin)	1



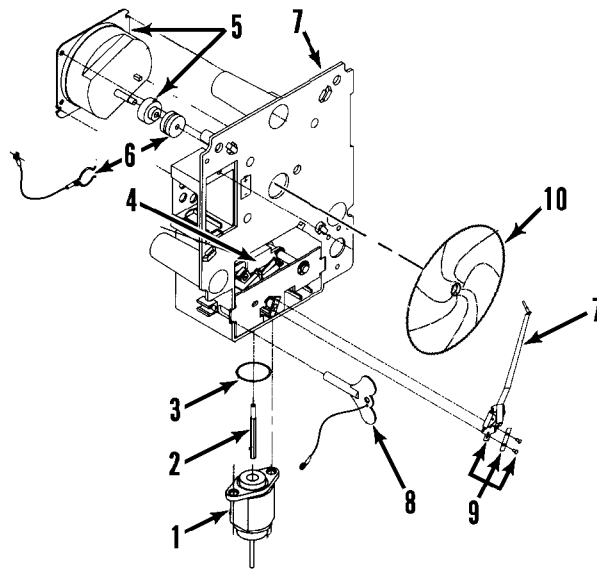
Revised
2/2/06

RECORDING THERMOMETER - 31 DAY FAHRENHEIT



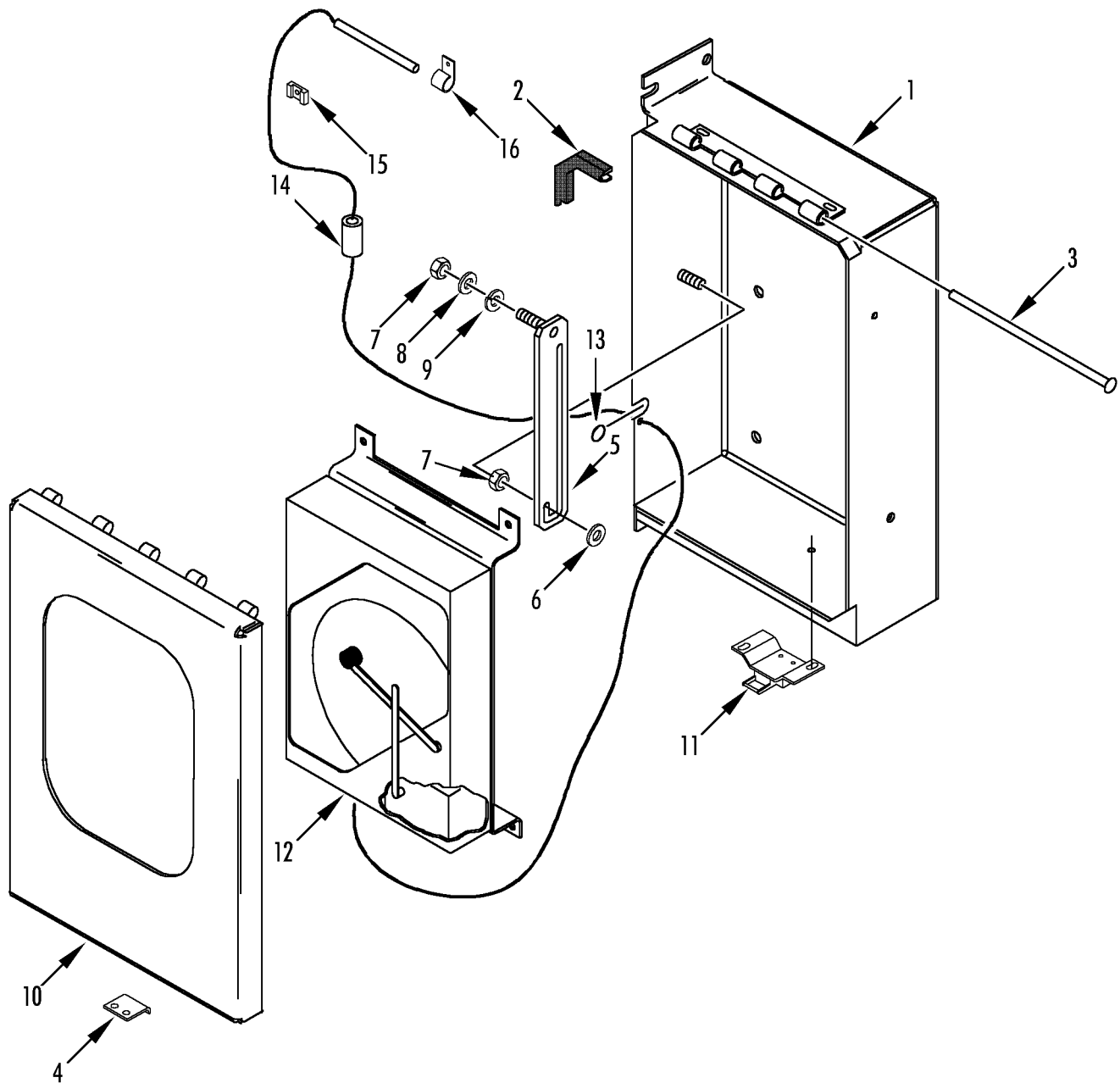
147B2

REF	PART#	DESCRIPTION	QTY
	45-1830	THERMOMETER (31 day, F)	1
1	44-5644	• ELEMENT - thermo (1/2 od, 7.5 in lg bulb, 10 ft capillary)	1
	44-2339	• ELEMENT - thermo (3/8 od, 14 in lg bulb, 10 ft capillary)	1
2	91-8217	• ROD - push	1
3	33-2962	• O-RING	1
4	41-2216	• MECHANISM	1
5	44-2966	• DRIVE - chart (31 day)	1
6	55-5099	• NUT, CLIP & CORD	1
7	41-2218	• PLATEN	1
8	55-8955	• KEY - winding	1
9	91-2205	• KIT - stylus	1
10	203-180	CHART (31 day, -20 to +85 Fahrenheit, box of 50)	1



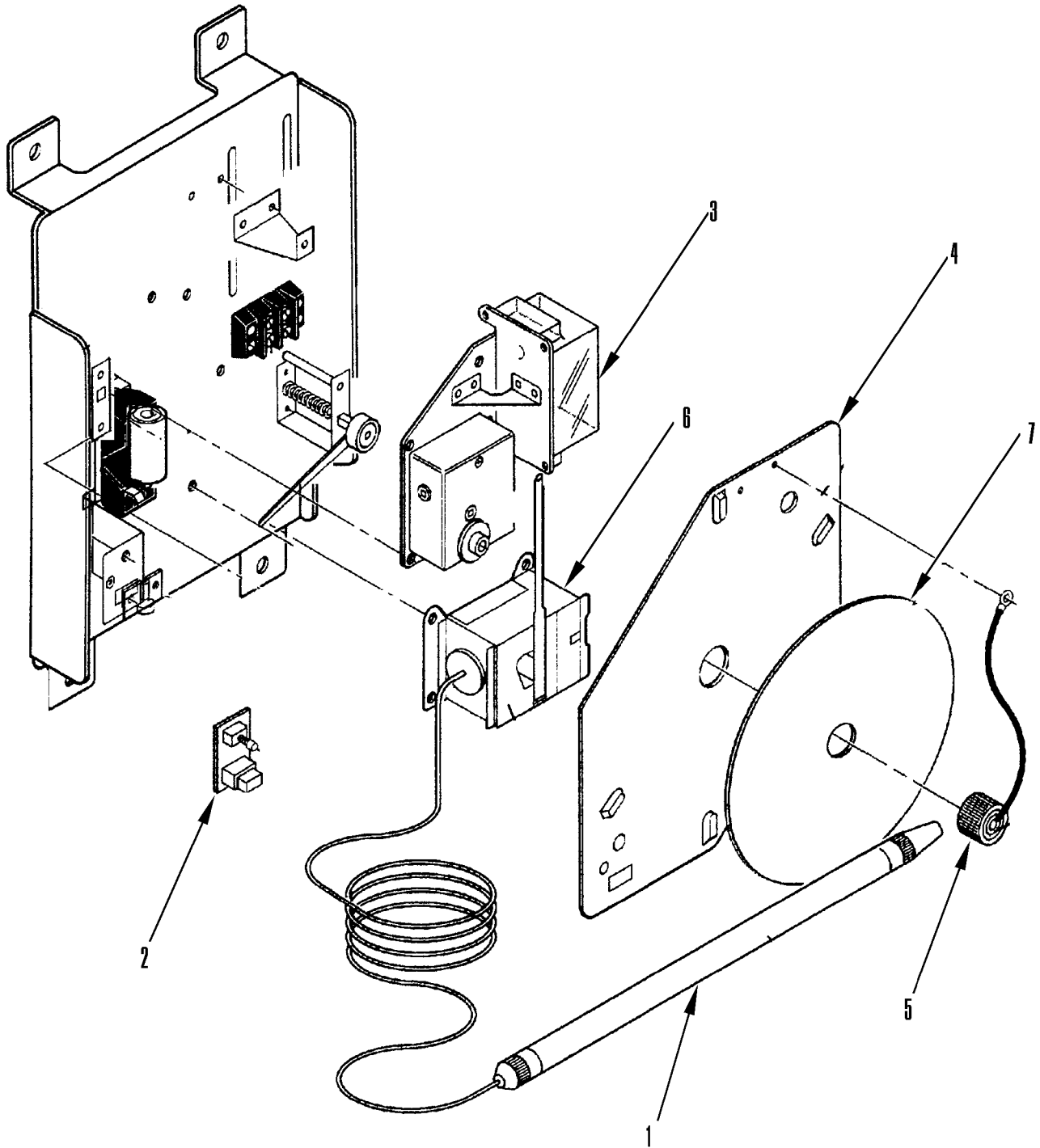


REF	PART#	DESCRIPTION	QTY
	45-1834	THERMOMETER - 7 day (F)	1
1	41-2219	• ELEMENT - thermo (3/8 od, 14 lg bulb, 10 ft capillary)	1
3	33-2962	• O-RING	1
4	41-2216	• MECHANISM	1
5	41-2224	• DRIVE - chart (7 day)	1
6	55-5099	• NUT, CLIP & CORD	1
7	41-2218	• PLATEN	1
8	55-8955	• KEY - winding	1
9	91-2205	• KIT - stylus	1
10	203-179	CHART (7 day, -20 to +85 Fahrenheit, box of 50)	1



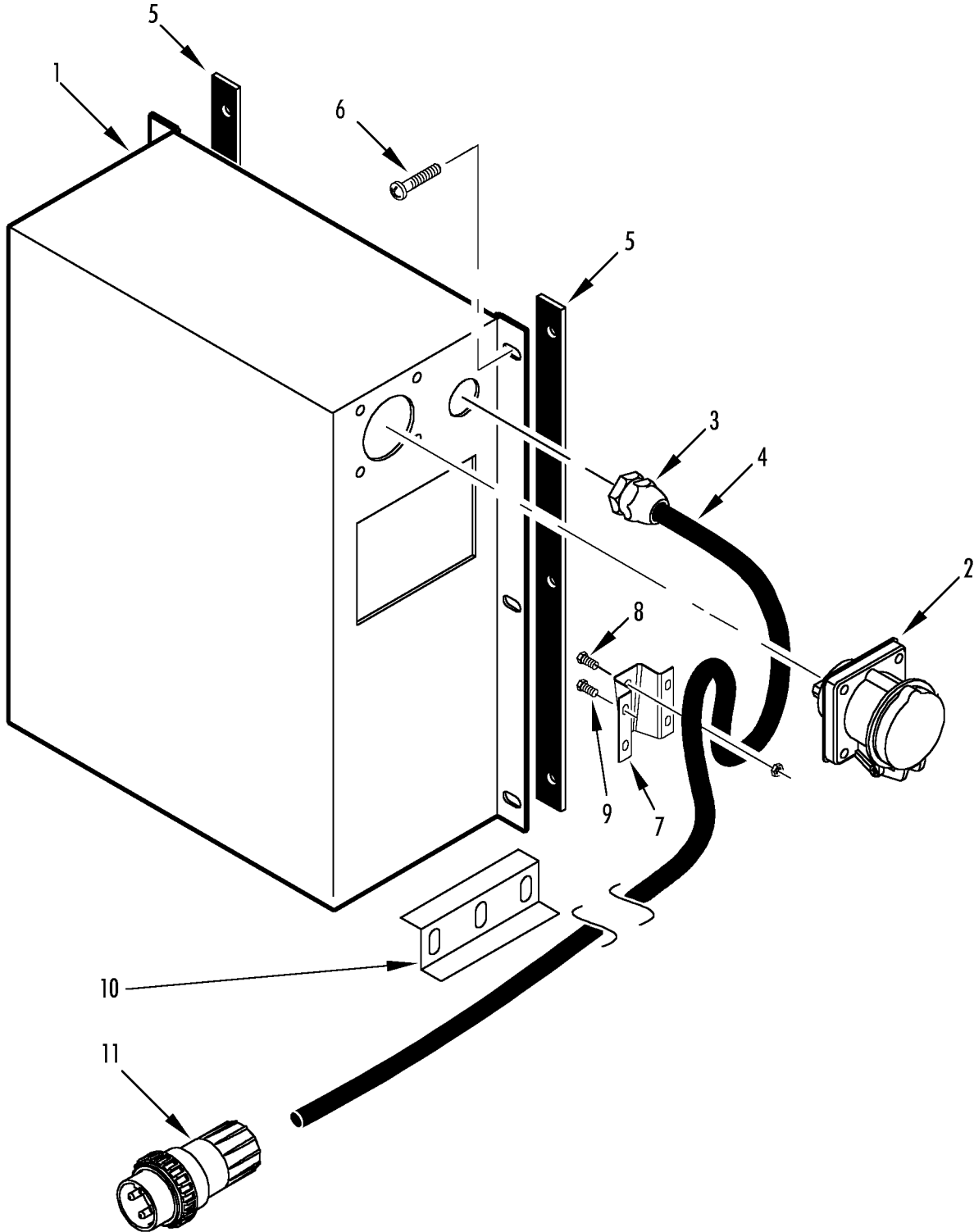


REF	PART#	DESCRIPTION	QTY
	55-7341	SCREW - box	4
1	91-8770	BOX - recorder	1
	55-8904	WASHER	2
	55-8953	WASHER (nylon)	2
2	33-3043	GASKET - door	A/R
3	91-8106	PIN - hinge (w/ snap)	1
4	91-8771	LATCH - door	1
	505-559	RIVET - latch	2
5	91-8774	BRACKET - door support	1
6	55-7367	NUT	1
7	55-7034	NUT	2
8	55-7033	WASHER	1
9	55-9444	WASHER (nylon)	1
10	91-8772	COVER - recorder box	1
11	91-8775	SPRING - latch	1
	55-9083	RIVET - latch	2
12	45-1831	THERMOMETER - recording (see 147B9)	1
	55-8910	SCREW - thermometer	4
	55-6995	WASHER	8
	55-8877	WASHER (nylon)	8
	55-7042	NUT	4
13	33-3010	GASKET - capillary tube	1
14	33-3011	GASKET - bulkhead	1
15	55-8935	ANCHOR	1
	55-2260	RIVET - anchor	1
16	55-8942	CLAMP - bulb	2
	55-9062	SCREW - clamp	2
	55-7034	NUT	2



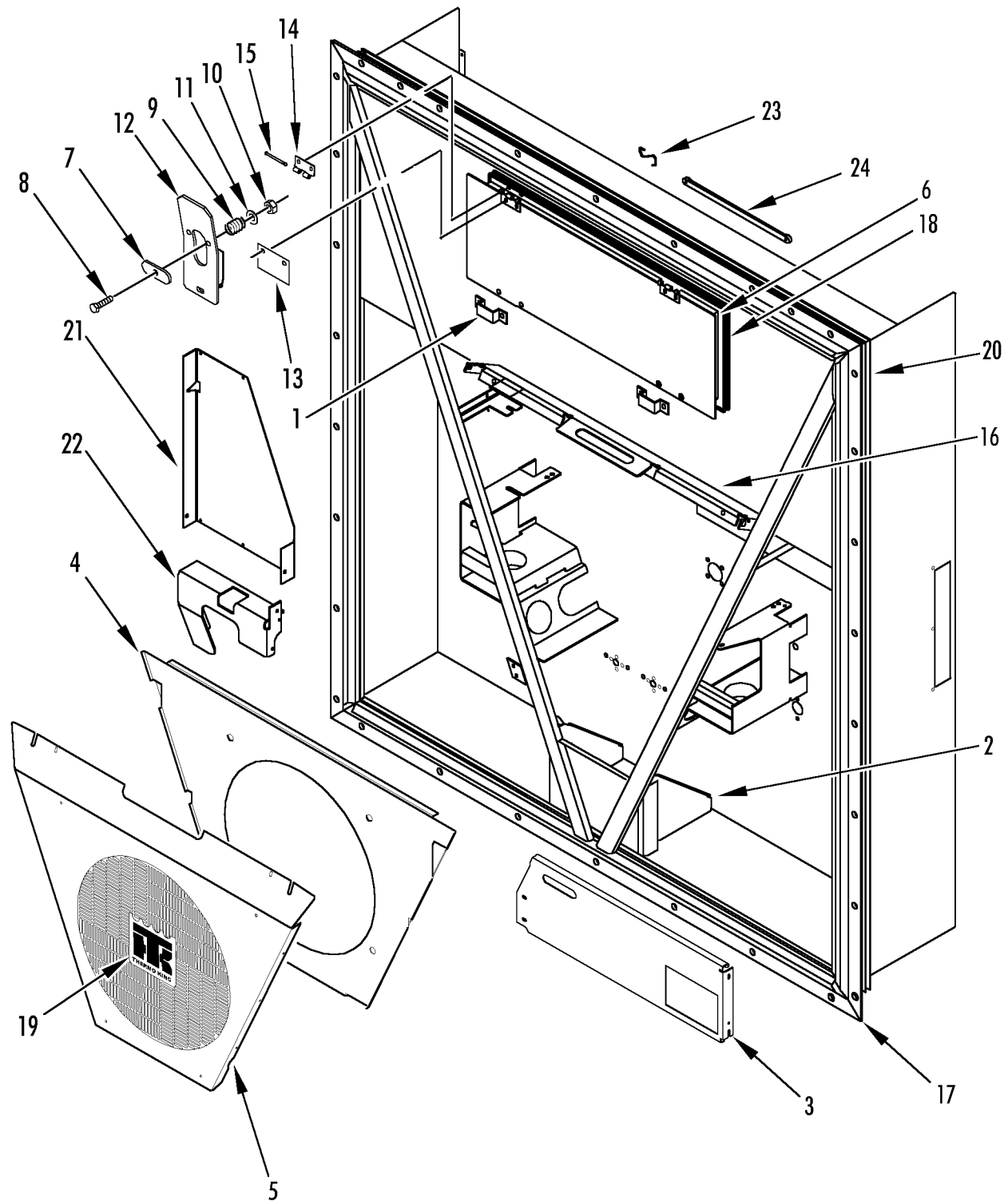


REF	PART#	DESCRIPTION	QTY
	45-1831	THERMOMETER - recording (Saginomiya, 31 day battery)	1
	45-1832	THERMOMETER - recording (Saginomiya, 31 day, AC power)	1
1	44-9780	• ELEMENT	1
2	44-9781	• INDICATOR - volt	1
3	44-7782	• TIMER	1
4	509-911	• PLATE - recorder	1
5	505-390	• NUT - chart	1
6	509-912	• STYLUS - pen	1
7	203-180	CHART (31 day, -20 to +85 Fahrenheit, box of 50)	1



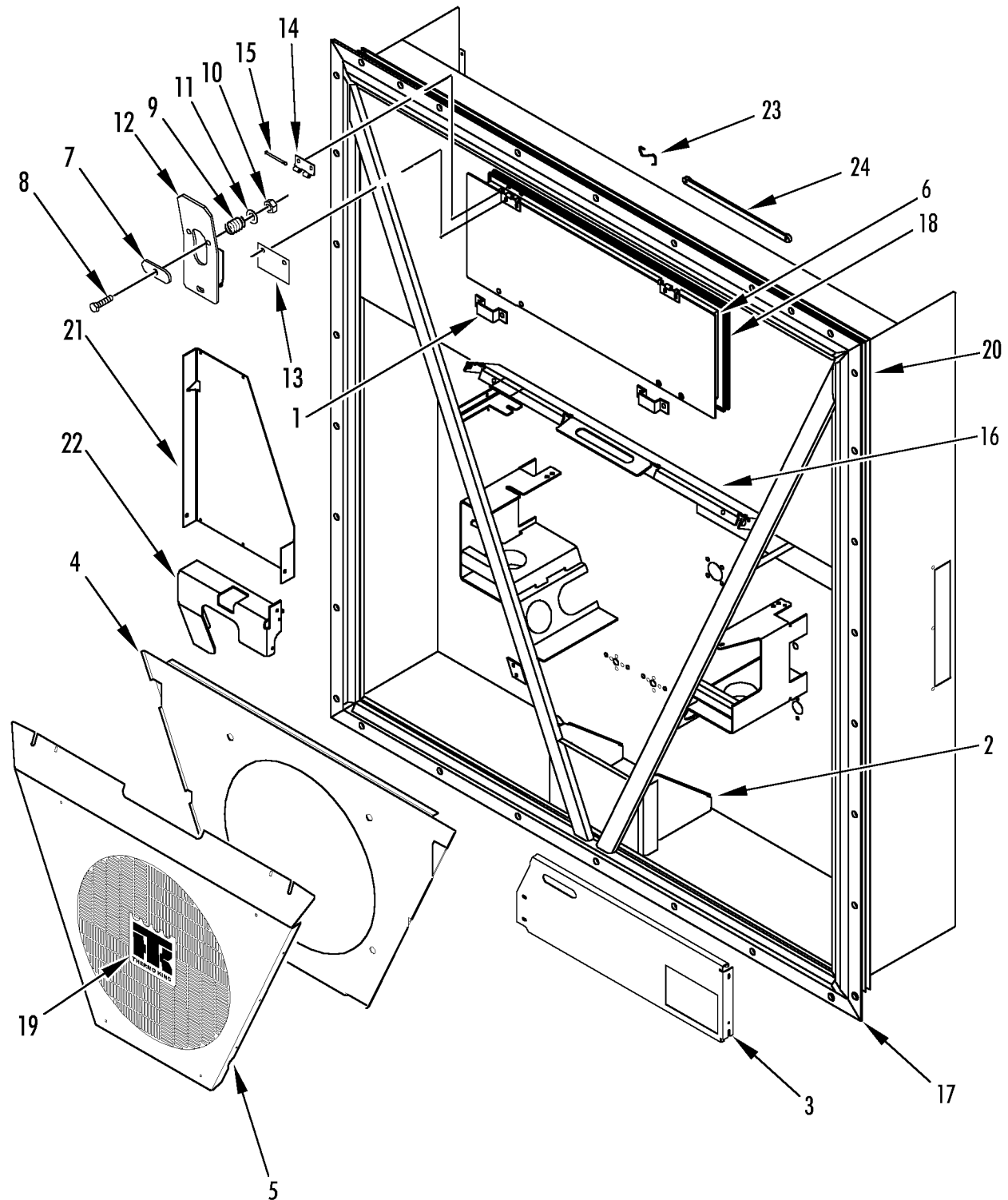


REF	PART#	DESCRIPTION	QTY
1	45-1859	TRANSFORMER	1
2	41-1977	RECEPTACLE - power (32 amp, 440V)	1
	55-2995	• SCREW - receptacle	4
	55-2964	• LOCKWASHER	2
	55-2001	• FLATWASHER	2
3	55-5919	• CONNECTOR - grip	1
	55-2636	• NUT - connector	1
4	41-3083	• CABLE - power (69 ft)	1
5	91-9508	INSULATOR	2
6	55-7341	SCREW - transformer	2
	55-8891	SCREW - transformer	4
	55-7085	FLATWASHER	6
	55-7342	LOCKWASHER	6
7	91-6988	BRACKET - cable restraint (current units)	1
8	55-9164	SCREW - cable	1
	55-7357	FLATWASHER	1
	55-7344	NUT	1
9	55-7172	SCREW - bracket	4
	55-7075	FLATWASHER	4
	55-7170	LOCKWASHER	4
10	91-3238	BRACKET - cable (early units)	1
	55-7172	SCREW - bracket	3
	55-6995	FLATWASHER	6
	55-7042	NUT	3
11	44-3828	PLUG - power (50 amp)	1
	44-5133	PLUG - power (60 amp, orange)	1
	41-3429	PLUG - power (50 amp, blue)	1
	33-2482	BUSHING - plug	1



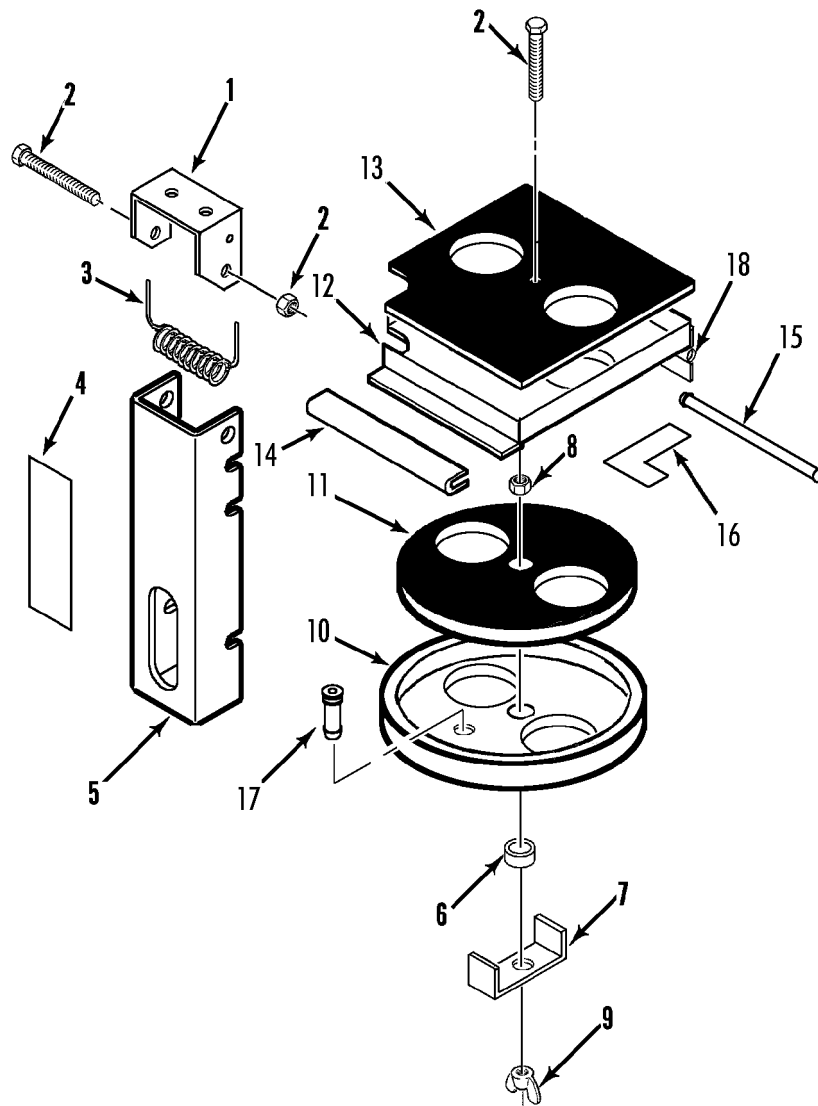


REF	PART#	DESCRIPTION	QTY
1	91-8195	KEEPER - door latch	2
	55-9312	SCREW - keeper (TIR seal)	4
	55-6995	FLATWASHER	4
	55-9054	WASHER (nylon)	4
	505-2582	WASHER (nylon)	4
2	91-8108	BRACKET - frame	1
	55-7341	SCREW - bracket	3
	55-6988	WASHER	6
	55-9541	WASHER (nylon)	6
	55-7339	NUT	3
3	98-6236	PLATE - cable storage (front, 800B/C/D)	1
	91-9504	PLATE - cable storage (CRR40)	1
	55-9168	NUT	2
	55-9054	WASHER (nylon)	6
	55-6994	SCREW - plate	2
	51-167	FLATWASHER	6
	55-8933	WASHER (nylon)	6
4	91-9912	ORIFICE - condenser	1
	55-7035	SCREW - orifice	4
	55-7075	FLATWASHER	4
	55-3045	WASHER - dome	4
	55-8849	NUT - captive	4
5	98-5925	GRILLE - condenser (800B/C/D/E)	1
	33-3043	EXTRUSION (6.25 ft)	1
	55-6994	SCREW - grille	4
	51-167	FLATWASHER	4
	55-9054	WASHER (nylon)	4
6	98-6518	DOOR - evaporator	1
	92-2995	• HINGE - evap door	2
	51-620	• RIVET - hinge	8
7	91-9040	• KNOB	2
8	55-7035	• SCREW - door	2
9	91-8199	• SPRING	2
10	55-7354	• NUT	2
11	55-9054	• WASHER (nylon)	2
12	91-9041	• LATCH - door	2
	55-2864	• RIVET - latch	4
13	91-8134	• INSULATOR - latch	2
14	509-1654	• HINGE	2
	55-9313	• SCREW - hinge (TIR seal)	4
	55-9541	• WASHER (nylon)	4



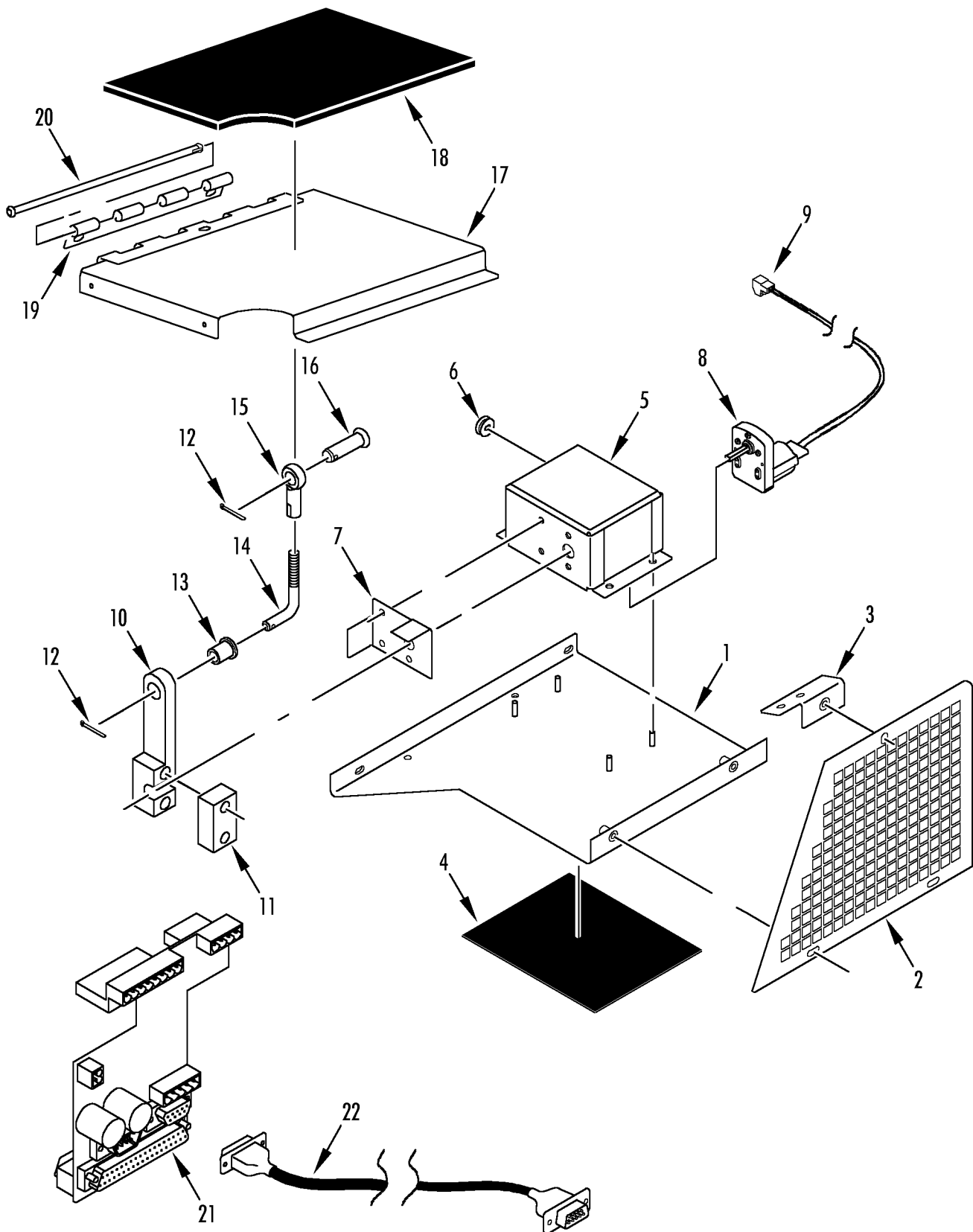


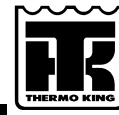
REF	PART#	DESCRIPTION	QTY
	55-7085	• FLATWASHER	4
15	91-8256	• PIN - hinge (w/ snap)	2
16	92-891	BRACKET - safety hook (800B/C/D)	1
	55-9541	SCREW - bracket	4
	55-7085	FLATWASHER	4
	55-9541	WASHER	8
17	98-5932	FRAME - condenser (CRR 40-300)	1
	98-5921	FRAME - condenser (800B)	1
	98-6238	FRAME - condenser (800C)	1
	98-6239	FRAME - condenser (800D)	1
	98-6663	FRAME - condenser (CRR40)	1
18	33-3969	GASKET - evaporator door	1
19	91-8475	NAMEPLATE - TK	1
20	33-2983	GASKET - unit	1
21	91-8728	COVER (instead of thermometer)	1
	55-7391	SCREW - cover	3
	55-6988	FLATWASHER	3
22	91-8664	PLATE - guard	1
	55-7341	SCREW - plate (20 mm)	2
	55-6993	SCREW - plate (25 mm)	1
	55-8953	WASHER (nylon)	3
23	91-9039	HOOK - strap	1
	55-3065	CLAMP - hook	1
	55-9166	SCREW - clamp	1
24	509-937	STRAP - door	1
	55-9173	SCREW - strap	1
	55-7089	FLATWASHER	2



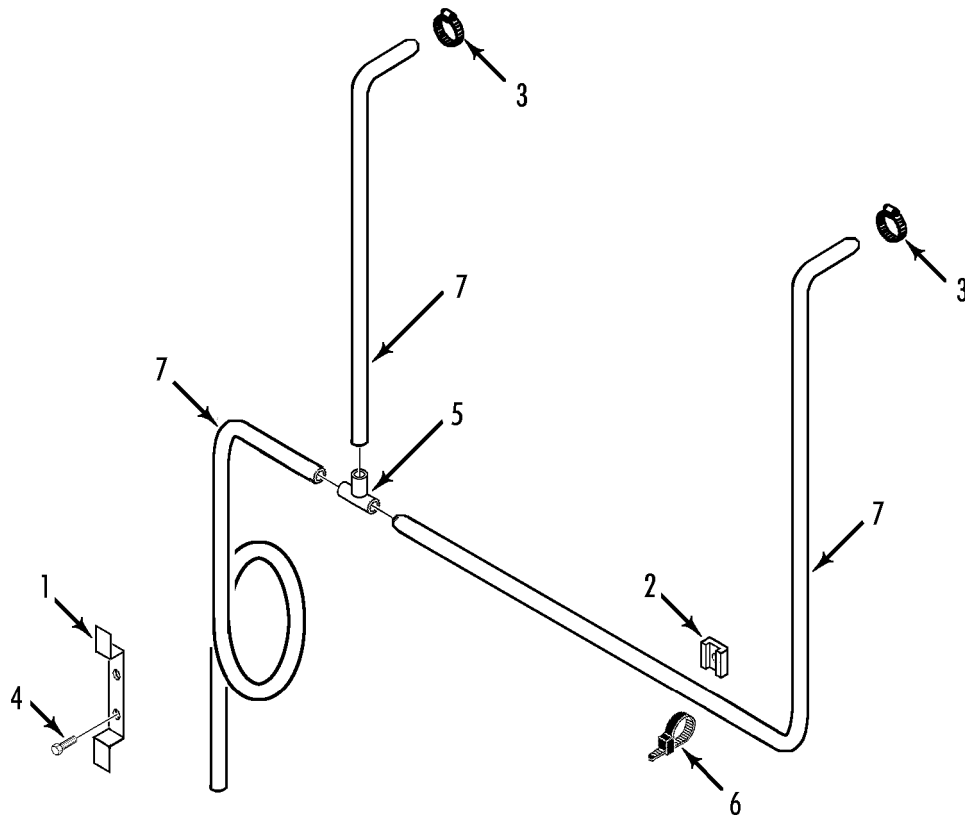


REF	PART#	DESCRIPTION	QTY
	91-8252	VENT - air (complete)	1
1	91-9048	• BRACKET - air vent handle	1
2	51-1426	• SCREW - handle	1
	51-1474	• SCREW (M8 x 1.25 x 65, ss)	1
	55-9541	• WASHER (nylon)	4
	51-1427	• NUT	1
3	91-8100	• SPRING	1
4	92-440	• NAMEPLATE - Do Not Open Below 0 C	1
5	91-8102	• HANDLE - air vent	1
6	77-2467	• BEARING - slide	1
7	91-8104	• BRACKET - handle	1
8	51-1428	• NUT	2
	51-1429	• LOCKWASHER	1
	51-1430	• FLATWASHER	1
9	51-1431	• NUT - wing	1
10	91-8103	DISK - air vent	1
11	33-4255	• GASKET - air vent	1
12	91-8105	• PLATE - air vent	1
	55-7172	• SCREW - plate	4
	55-7075	• FLATWASHER	4
	55-9541	• WASHER (nylon)	4
13	33-2944	• GASKET - air vent	1
14	91-8663	• PROTECTOR - edge	1
15	91-8106	• PIN - hinge	1
16	91-8107	• NAMEPLATE - Do Not Open Below 0 C	1
17	55-9168	• ADAPTER - hose	1
18	92-411	• HINGE - air vent	1
	51-619	SCREW - mtg vent	8
	55-8933	WASHER - insulator (6.4 id)	4
	55-7075	FLATWASHER	4
	55-9054	WASHER - insulator (8.4 id)	6
	51-167	FLATWASHER	6
	55-7339	NUT	6



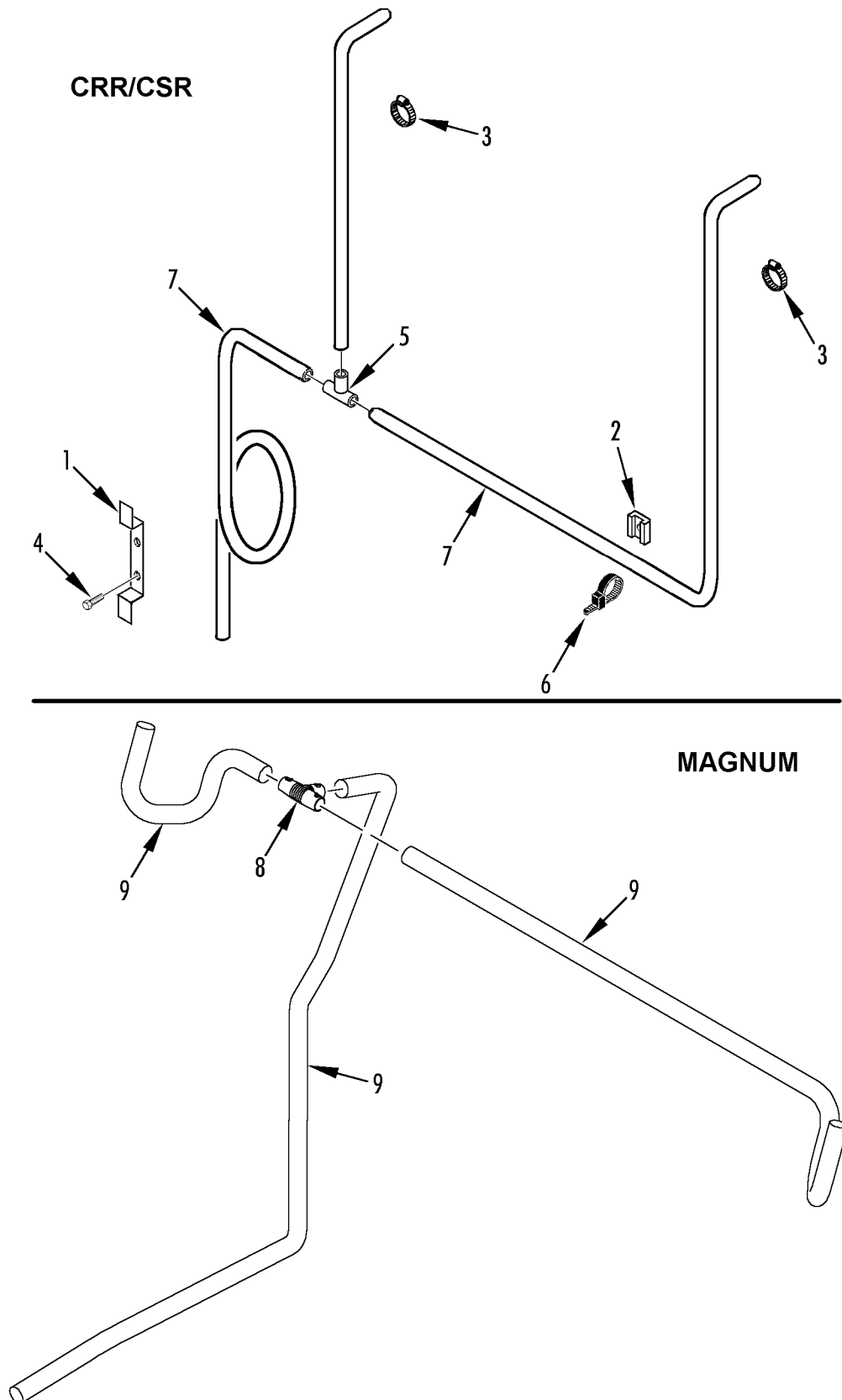


REF	PART#	DESCRIPTION	QTY
1	92-412	BRACKET - motor box	1
	55-7172	SCREW - bracket	2
	51-167	WASHER	2
	51-619	WASHER - insulator	2
2	92-415	GRILLE - fresh air	1
	55-7172	SCREW - grille	3
	51-167	WASHER	3
	51-619	WASHER - insulator	3
3	92-416	BRACKET - receptacle	1
	55-7172	SCREW - bracket	2
4	33-3264	GASKET - receptacle (10 x 10)	1
5	92-414	HOUSING - motor	1
	55-7404	LOCKWASHER	4
	55-7033	FLATWASHER	4
	55-7367	NUT	4
6	33-314	GROMMET	1
7	92-413	BRACKET - mechanical stop	1
	55-7862	SCREW - bracket	4
	203-393	SEALER - thread	A/R
8	41-3674	MOTOR - damper (24VDC)	1
9	41-2832	CONNECTOR - plug (2 pin)	1
10	92-418	LINKAGE	1
11	92-417	LINKAGE	1
	55-7027	SCREW - linkage	2
	55-8893	WASHER	4
	55-7042	NUT	2
12	55-3537	PIN - cotter	2
13	55-9338	WASHER - shoulder	1
14	92-419	ROD - linkage	1
15	11-4929	BALL JOINT	1
	92-5521	BALL JOINT	1
16	55-9437	RETAINER - pin	1
17	92-420	VENT - air	1
18	33-3265	GASKET - air vent	1
19	92-411	HINGE - plate	1
20	91-8106	PIN - hinge (w/ snap)	1
21	41-3583	BOARD - interface (AFAM+)	1
22	41-3584	CABLE - AFAM/AFAM+	1



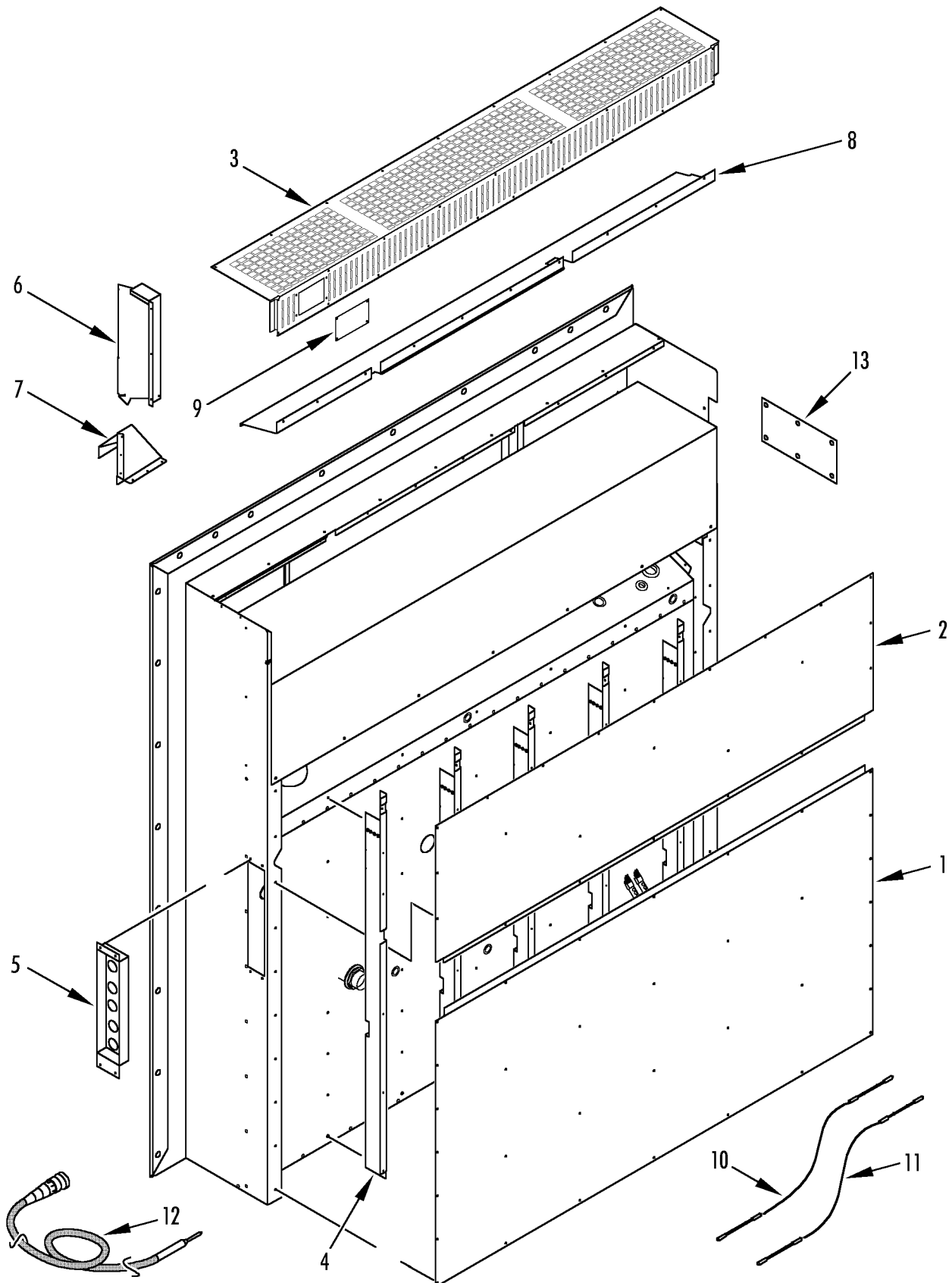


REF	PART#	DESCRIPTION	QTY
1	91-8244	BRACKET - hose	1
2	99-3281	MOUNT - cable tie	5
	55-2260	RIVET - anchor	5
3	55-2686	CLAMP - hose	2
4	55-8891	SCREW - bracket	2
5	55-9208	CONNECTOR - T-hose	1
6	55-2330	BANDWRAP	6
7	11-8983	HOSE - flex	1



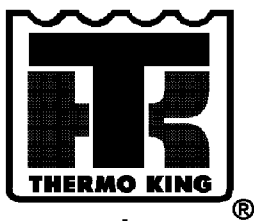


REF	PART#	DESCRIPTION	QTY
1	91-8244	BRACKET - hose	1
2	99-3281	MOUNT - cable tie	5
	55-2260	RIVET - mount	5
3	55-2686	CLAMP - hose	2
4	55-8891	SCREW - bracket	2
5	55-9208	CONNECTOR - T (hose)	1
6	55-2330	BANDWRAP	6
7	11-8983	HOSE - flex	1
8	11-9575	T-DRAIN	1
	11-9735	T-DRAIN (after 9/03)	1
9	11-9576	HOSE - flex (11/01 & after)	A/R





REF	PART#	DESCRIPTION	QTY
1	98-5773	PLATE - rear (bottom)	1
2	98-5772	PLATE - rear (top)	1
	51-336	SCREW - plate	23
	55-9444	WASHER - insulating	23
	55-3136	RIVET - plate	29
3	98-5774	GRILLE - evaporator (MAGNUM)	1
	98-5923	GRILLE - evaporator (MAGNUM 924)	1
	98-6556	GRILLE - evaporator (MAGNUM 40-SL)	1
	98-6565	GRILLE - evaporator (MAGNUM 20)	1
	55-3136	RIVET - grille	17
4	92-427	CHANNEL - Z (MAGNUM & MAGNUM 924)	5
	92-2774	CHANNEL - Z (MAGNUM SL-40)	5
	91-9922	CHANNEL - Z (MAGNUM 20)	5
	51-621	RIVET - channel	39
5	NSS	PANEL - USDA receptacle (see 157H2 & 189D7)	1
6	92-2773	CHANNEL - air (MAGNUM)	1
	91-9923	CHANNEL - air (MAGNUM SL 40 & 20)	1
	203-389	SEALER - polyurethane	A/R
	55-8891	SCREW - channel	6
7	91-9330	INLET - fresh air (MAGNUM)	1
	91-9924	INLET - fresh air (MAGNUM SL 40 & 20)	1
	55-9323	RIVET - inlet	10
	203-389	SEALER - polyurethane	A/R
8	91-9331	CHANNEL - fresh air	1
	55-9323	RIVET - channel	8
9	98-5775	PLATE - cover (Transfresh)	1
	55-7713	RIVET - plate	4
10	41-2554	CABLE - Transfresh (option 098150)	1
11	41-2555	CABLE - Transfresh (option 098150)	1
12	41-5405	SENSOR - PT100 (option 098106)	2
13	92-722	PLATE - cover	1
	55-2262	RIVET - plate	6



1

INGERSOLL-RAND

2

THERMO KING

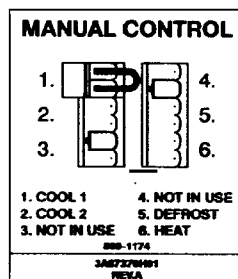
4



10



3



13

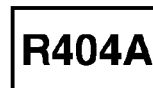
WARNING !

**TURN POWER OFF
BEFORE DISCONNECTING
DATALOGGER OR
CONTROLLER.**

11

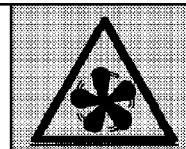


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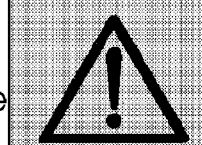
5

WARNING
FANS START
AUTOMATICALLY

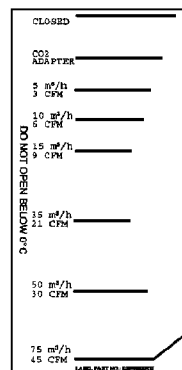


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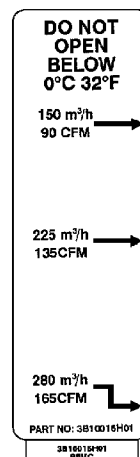
WARNING
Hot Components
Compressor discharge
may be hot!



7



14



15

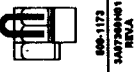


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R 134a

16

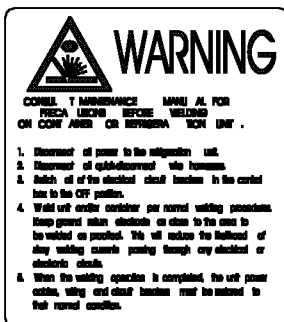
Phase selector.



12

**Ingersoll-Rand**

17



18



19



REF	PART#	DESCRIPTION	QTY
1	91-9511	NAMEPLATE - TK	1
2	91-8746	NAMEPLATE - Ingersoll Rand	1
3	92-723	NAMEPLATE - Power Saver	1
4	91-9778	NAMEPLATE - Thermo King	1
5	91-5882	NAMEPLATE - R404A	1
6	91-8694	NAMEPLATE - Warning, Fan Start	1
7	91-8695	NAMEPLATE - Warning, Hot Components	1
8	91-8154	NAMEPLATE - R404A	1
9	92-243	NAMEPLATE - data download USDA	1
10	91-9833	NAMEPLATE - Caution	1
11	91-9382	NAMEPLATE - Warning	1
12	91-9383	NAMEPLATE - Main Relay Board	1
13	91-9384	NAMEPLATE - Main Relay Board	1
14	91-8107	NAMEPLATE - Air Exchanger	1
15	91-9441	NAMEPLATE - Air Exchanger	1
16	91-5459	NAMEPLATE - R134a	1
17	92-863	NAMEPLATE - IR/Ingersoll Rand	1
18	92-1218	NAMEPLATE - Weld	1
19	91-7475	NAMEPLATE - Caution, Compressor	1

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