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Section 9, Illustrated Parts

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Section 9: Illustrated Parts

This section contains the parts list and illustrations for the RT7 and RT7 PLUS centrifuges. The first part of the chapter is devoted to RT7 parts (tables 9-1 through 9-4 and figures 9-1 through 9-3) while the second part is devoted to the RT7 PLUS (tables 9-4 through 9-8 and parts 9-4 through 9-6). The remainder addresses parts used by both the RT7 and RT7 PLUS.

NOTE Part numbers itemized in this section are valid at the time of printing and are subject to change without notice. Part numbers in BOLD type are currently stocked at our parts depot and are routinely available. Other parts listed will be provided on a *best effort* basis.

Table 9-1. RT7 Only

Suggested or Recommended Spare Parts List

<u>Part Number</u>	<u>Description</u>
07405	Motor Assembly, 115V
07347	Gyro Assembly, Complete
07409	Control P.C. Board Assembly
83011	Indicator Lamp, Red (Fault)
07440	Overspeed P.C. Board Assembly
07487	Brush Replacement Kit
07556	Foam Insulating Ring
68658	Drive Belt
07513	Timer
07638	Gyro Seal
07550	Door Seal
67827	Start Capacitor, 60 Hz
67838	Start Capacitor, 50 Hz
67831	Relay, 60 Hz
67840	Relay, 50 Hz
67828	Fan Motor, 60 Hz
67839	Fan Motor, 50 Hz
67829	Fan Blade
07473	Brush Warning P.C. Board
07469	Latch Kit
07417	Temperature Sensor
67380	Relay, K1
12208	Brake Rectifier
07687	Brake Transformer
67866	Latch Micro Switch
83173	Expansion Valve Tubing Assembly

**Table 9-2. Parts of the RT7
(keyed to figure 9-1)**

<u>ITEM</u>	<u>P/N</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	07524	Cover, Access	1
2	67351	Screw, Phillips, Pan Head, #8-32 x 3/8 long	4
3	63936	Lockwasher, External Tooth #8 SST	1
4	66457	Weather Stripping	A/R*
5	67301	Transformer, Power	1
6	83051	Overlay, Access Cover	1
7	07684	Seal, Cover, Insulation	2
8	67699	Receptacle, Plug, Three Prong, 60 Hz, 15A, 250VAC	1
-	07491	Filter, Line, 50 Hz	1
9	61095	Flatwasher #4	2
10	63006	Lockwasher, Split, Steel, #4	2
11	60463	Nut, Hex, Steel, #4-40	2
12	67378	Power Cord, 3 Conductor, 115V, 60 Hz, 15A	1
-	91605	Power Cord, 3 Conductor, 250V, 50 Hz, 10A	1
13	66643	Portac Jack	1
14	67310	Insulation, Tape, Vinyl, Closed Cell Foam, 1/8 inch thick x 1/4 inch wide	A/R*
15	67312	Screw, Phillips, Pan Head, #8-32 x 3/8 long	3
16	67311	Split Washer, Black, #8 x 0.040 thick	16
17	07959	Brake Resistor	1
18	60171	Flatwasher	2
19	63936	Star Washer	2
20	60184	Nut, Hex	2
21	61597	Screw, Machine, Pan Head, Slotted, SST, #10-32 x 3/8 long	47
22	63016	Split Washer, #10 x 0.040 thick	40
23	67302	Hinge	2
24	67312	Screw, Machine, Pan Head, Slotted, Black, #8-32 x 3/8 long	16
25	90721	Cap Screw, Socket Head, #8-32 x 3/8 long	2
26	67313	Screw, Machine, Flat Head, 82° Countersink, Black, #10-32 x 3/8 long	2
27	07300	Door Assembly (European CE instruments only)	1
-	07422	Door Assembly (non-European CE instruments)	1
28	07583	Cover Assembly, Kydex® Acrylic Resin	1
29	07308	Door Seal (European CE instruments only)	1
-	07550	Door Seal (non-European CE instruments)	1
30	67852	Cap, Polyethylene, Black	4
31	67853	Washer, Steel, #10	4
32	67383	Flatwasher, Nylon, 0.194 ID x 0.375 OD x 0.125 thick	4
33	67875	Velcro® Fastener, Hook	7 inch
34	07636	Plate Assembly, Top, Frame(left side)	1
35	07637	Plate Assembly, Top, Frame(right side)	1
36	07638	Boot, Gyro	1
37	07556	Insulating Ring, Foam, Gyro	1
38	07417	Temperature Sensor Assembly	1

**Table 9-2. Parts of the RT7 (continued)
(keyed to figure 9-1)**

ITEM	<u>P/N</u>	<u>DESCRIPTION</u>	<u>QTY</u>
39	07312	Bowl and Evaporator Assembly(European CE only)	1
-	07425	Bowl and Evaporator Assembly(non CE only)	1
40	07685	Seal, Latch	2
41	67874	Velcro® Fastener, Loop	7 inch
42	60436	Louver, #14 Mesh, 3 inch Diameter	2
43	67324	Foot	4
44	63803	Screw, Cap, Socket Head Hex, SST, 1/4-20 x 3/8 long	4
45	91258	Screw, Phillips, Gray	4
46	61132	Screw, Machine, Pan Head, Slotted, SST, #6-32 x 5/16 long	2
47	63011	Lockwasher #6	2
48	60674	Screw, Machine, Flat Head, 82° Countersink, #6-32 x 1/4 long	6
49	90818	Nut, Speed, 10-24	2
50	60074	Nut, Hex, SST, #6	2
51	07640	Shield Assembly, Insulating, P.C. Board	1
52	61321	Flat Washer, #10	4
53	67330	Switch, Brake	1
54	91602	Switch, Power, 60 Hz	1
-	91603	Switch, Power, 50 Hz	1
55	64877	Woodruff Key, 3/32 x 3/8	1
56	07572	Support Block, Shaft	1
57	60023	Truarc® Retaining Ring, External, 1/4 inch, SST	1
58	67380	Relay, 24Vdc, 50/60 Hz, 3PDT, 3/16 Contacts	1
59	60522	Flatwasher, SST, 0.169 ID x 0.304 OD x 0.032 thick	1
60	83091	Gasket, 5/8 Wide, 1/4 thick	A/R
61	63305	Flatwasher, 3/16 ID x 11/16 OD x 1/16 thick	2
62	60674	Screw, Machine Head, #6-32 SST	4
63	83139	Overlay, Switch	1
64	12974	Knob, Latch Control	1
65	61682	Setscrew, Hex Socket,Black, #8-32 x 7/16 long	1
66	83100	Main Harness	1
67	07462	Console Assembly, 60 HZ	1
-	07463	Console Assembly, 50 HZ	1
68	07473	Brush Warning P.C. Board	1
69	07495	Tach Port	1
70	92049	Retaining Ring, Truarc	1
71	92115	Insulating Tape	A/R
72	63022	Washer, Lock, Split, SST, #5	1
73	60821	Screw, Machine, Hex Head, #5-18 x 3/4 long	1
74	92101	Fuse Holder for Brush Warning	1
75	66168	Fuse, 6A, 250V	1
76	07479	Mounting Bracket	1
77	90878	Spacer	2
78	91708	Nut, Speed, Type, J, #10-24	2

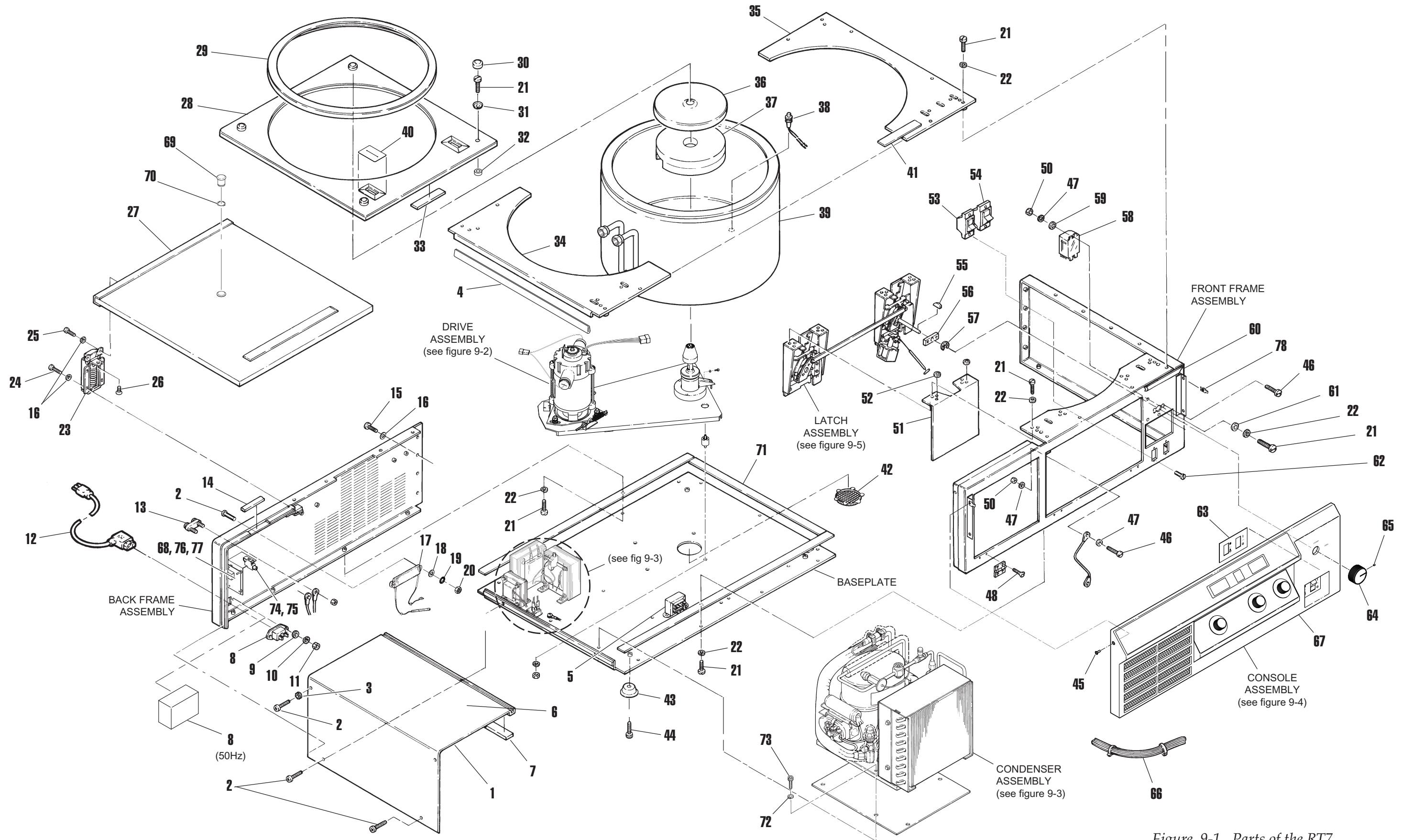


Figure 9-1. Parts of the RT7
Sheet 1 of 1

**Table 9-3. RT7 Drive Assembly
(keyed to figure 9-2)**

<u>ITEM</u>	<u>P/N</u>	<u>DESCRIPTION</u>	<u>QTY</u>
1	07528	Plate Assembly, Drive	1
2	68658	Belt, V-drive, 3/16 wide x 29.5 long, Polyflex	1
3	67399	Spring, Extension, 0.360 OD x 1.75 long x 0.058 Wire Diameter	1
4	07609	Hook, Spring Retaining	1
5	63832	Nut, Hex, SST, #10-24	2
6	07589	Plate, Motor Mounting	1
7	61231	Screw, Machine, Round Head, Slotted, SST, #4-40 x 3/8 long	1
8	67466	Flatwasher, Nylon, 0.129 ID x 0.25 OD x 0.031 thick	1
9	61560	Lockwasher, External, Steel, #4	3
10	62396	Screw, Machine, Pan Head, Slotted, SST, #4-40x 5/8 long	2
11	61072	Flatwasher, #4, SST, 1/8 ID x 1/4 OD x 0.022 thick	2
12	62716	Microswitch, SPDT	1
13	62245	Insulator, Fish Paper	1
14	07405	Motor Assembly, 115V	1
15	61652	Flatwasher, #10, SST, 13/64 ID x 7/16 OD x 0.022 thick	4
16	07586	Disk, Optical Pickup	1
17	63017	Lockwasher, Split, #10 SST, 0.047 thick	7
18	64301	Screw, Cap, Socket Hex Head, #10-32 x 1/2 long	1
19	07940	Optical Pickup P.C. Board Assembly	1
20	66680	Screw, Cap, Socket Hex Head, #10-24 x 3/8 long	3
21	63019	Lockwasher, Split, 1/4, SST, 0.047 thick	7
22	65548	Shock Mount	4
23	07956	Mounting Bracket, Imbalance Detector	1
24	07957	Imbalance Detector Assembly	1
25	68860	Screw, Set, Socket Hex Head, Flat Point, 3/8-16 x 1-1/2 long	1
26	65811	Loctite® #222	A/R
27	07955	Top Bracket, Imbalance Detector	1
28	61146	Screw, Cap, Socket Hex Head, SST, #6-32 x 3/8 long	2
29	63011	Lockwasher, Split, #6, SST, 0.031 thick	2
30	N/A	Gyro Cartridge Assembly(NOT AVAILABLE)	1
31	07347	Gyro Assembly	1
32	60231	Screw, Machine, Round Head, Slotted, SST, #1/4-20 x 1/2 long	2
33	07921	Gyro Pulley	1
34	68796	Trantorque® Keyless Machine Mount	2
35	63076	Screw, Cap, Socket Hex Head, SST, #10-32 x 1 inch long	3
36	07487	Brush Kit	2
37	60751	Flatwasher, SST, 17/64 ID x 1/2 OD x 0.031 thick	6
38	67921	Compression Spring, 0.360 OD x 0.44 long x 0.045 diameter	3
39	67315	Flatwasher, Nylon, 0.562 OD x 0.260 ID x 0.062 thick	6
40	07922	Motor Pulley	1
41	61141	Nut, Hex, SST, 1/4-20	3
42	61231	Screw, Machine, Round Head, SST, #4-40 x 0.375 long	1
43	61560	Lockwasher, External, #4	1
44	67446	Flatwasher, Nylon, 0.250 OD x 0.031 thick	1

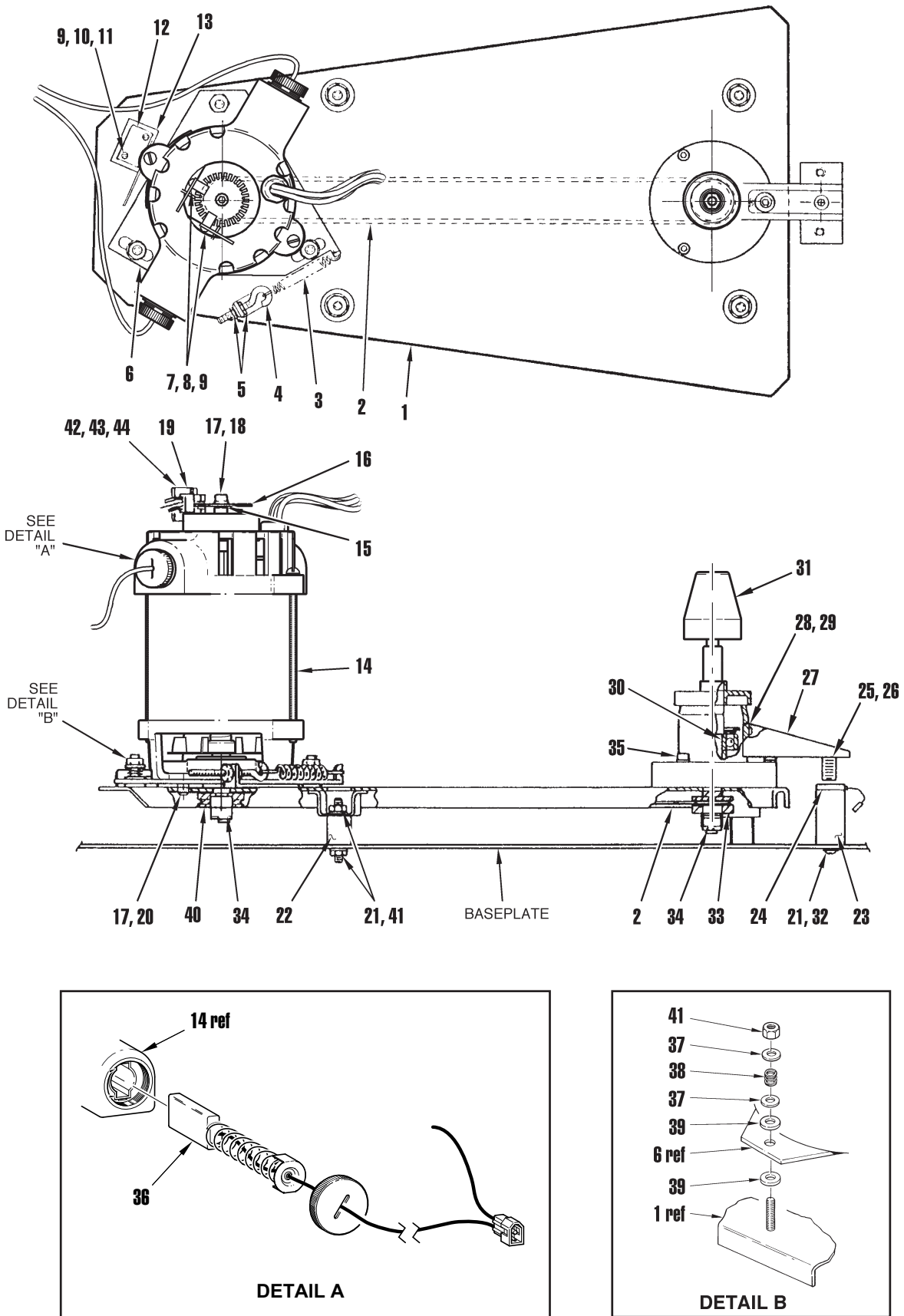


Figure 9-2. Drive Assembly, RT7 Only

**Table 9-4. RT7 Refrigeration System
(keyed to figure 9-3)**

<i>ITEM</i>	<i>P/N</i>	<i>DESCRIPTION</i>	<i>QTY</i>
1	83185	Condenser Assembly, 60 Hz, 115Vac	1
-	83184	Condenser Assembly, 50 Hz, 200Vac	
2	07437	Transformer Assembly, 50 HZ	1
3	12208	Rectifier	1
4	07687	Transformer Assembly, Brake	1
5	66665	Choke, Filter, 21 MH, 5 ADC	1
6	63022	Lockwasher, Split, 5/16 x 0.056, SST	1
7	60821	Screw, Cap, Socket Hex Head, 5/16-18 x 3/4 inch long	4
8	63085	Flatwasher, SST, 0.169 ID x 0.304 OD x 0.032 thick (qty 8 for 50 Hz)	4
9	63015	Lockwasher, Split, #8 SST, 0.047 thick (qty 10 for 50 Hz)	4
10	60967	Screw, Machine, Pan Head, 8-32 x 3/8 long	10
11	60948	Screw, Machine, Pan Head, Slotted, 8-32 x 5/8 long	1
12	64401	Spacer, Round, 1/2 inch diameter (50 Hz)	4
13	64695	Screw, Machine, Pan Head, Slotted, 8-32 x 7/8 long (50 Hz)	4
14	67829	Fan Blade	1
15	67828	Motor, Fan, 60 Hz	1
-	67839	Motor, Fan, 50 Hz	-
16	07662	Rubber Mat, Compressor	1
17	07585	Tubing Assembly, Refrigeration	1
18	67831	Relay, Overload, Compressor, 60 Hz	1
-	67840	Relay, Overload, Compressor, 50 Hz	-
19	67827	Start Capacitor, 60 Hz	1
-	67838	Start Capacitor, 50 Hz	-
20	83173	Tubing Assembly, Expansion Valve	1
21	64748	Clamp, Microgear, 1/2-7/8 diameter range, SST	2
22	66452	Insulation Tape, Self-Adhering	A/R
23	67850	Switch, Overload, 115V, 60 Hz	1
-	67851	Switch, Overload, 230V, 50 Hz	-
-	92294	Sealant, Pipe	A/R
24	92101	Fuse Holder, 50 Hz only	1
25	92112	Fuse, 8 Amp, Slo-Blo, 50 Hz only	1

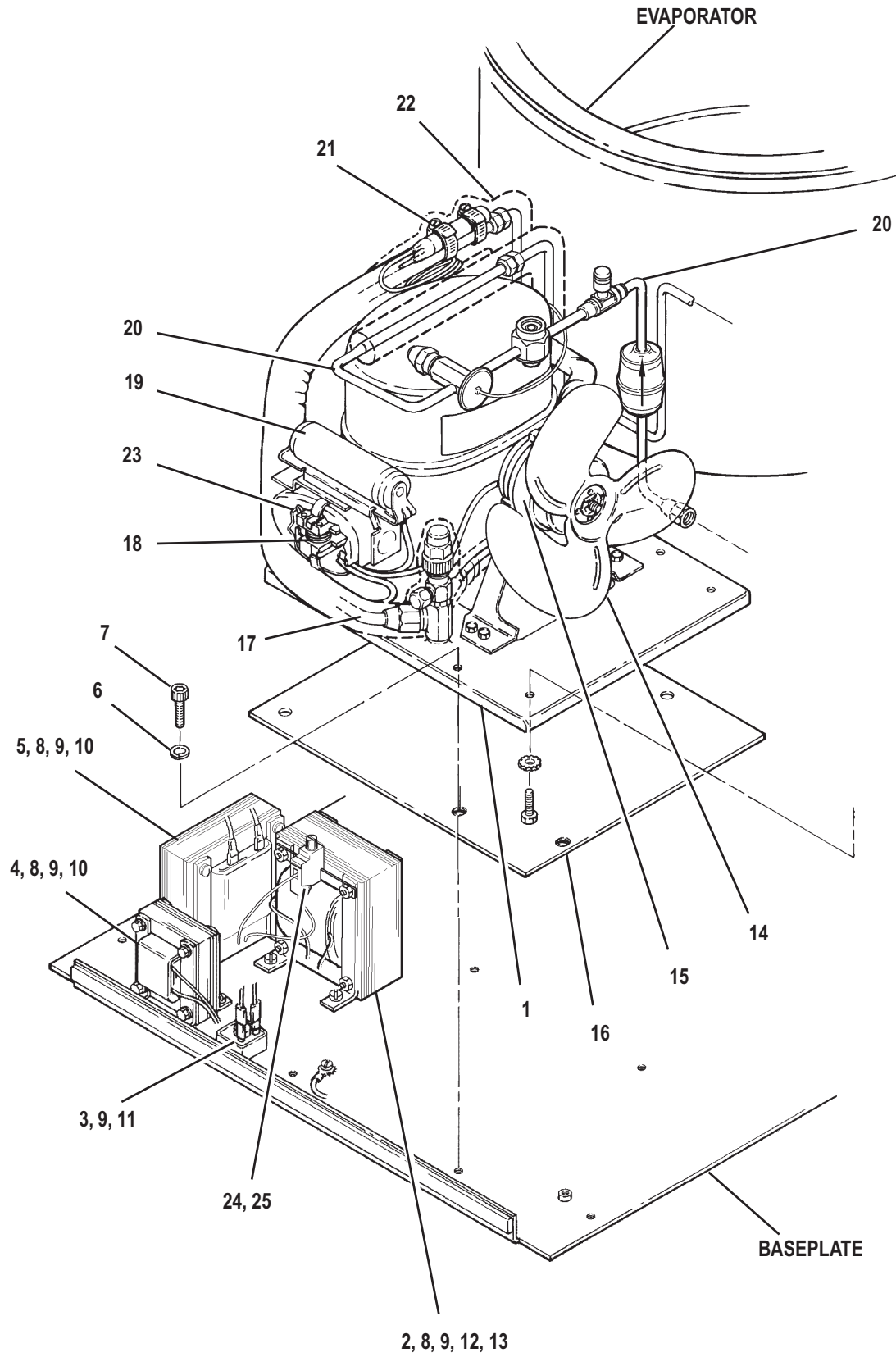


Figure 9-3. Refrigeration System: RT7

Table 9-5. RT7 PLUS Only

Suggested or Recommended Spare Parts List

<u>Part Number</u>	<u>Description</u>
07329	Motor Assembly, 115V
07347	Gyro Assembly, Complete
07409	Control P.C. Board Assembly
83011	Indicator Lamp, Red (Fault)
07440	Overspeed P.C. Board Assembly
07556	Foam Insulating Ring
68658	Drive Belt
07513	Timer
07638	Gyro Seal
07308	Door Seal
67827	Start Capacitor, 60 Hz
67838	Start Capacitor, 50 Hz
67831	Relay, 60 Hz
67840	Relay, 50 Hz
67828	Fan Motor, 60 Hz
67839	Fan Motor, 50 Hz
67829	Fan Blade
07469	Latch Kit
07417	Temperature Sensor
67380	Relay, K1
12208	Brake Rectifier
07687	Brake Transformer
67866	Latch Micro Switch
83173	Expansion Valve Tubing Assembly
07341	Motor Interface P.C. Board

**Table 9-6. Parts of the RT7 PLUS
(keyed to figure 9-4)**

<i>ITEM</i>	<i>P/N</i>	<i>DESCRIPTION</i>	<i>QTY</i>
1	07524	Cover, Access	1
2	67351	Screw, Phillips, Pan Head, #8-32 x 3/8 long	2
3	63936	Lockwasher, External Tooth #8 SST	1
4	66457	Weather Stripping	A/R*
5	67301	Transformer, Power	1
6	83051	Overlay, Access Cover	1
7	07684	Seal, Cover, Insulation	2
8	67699	Receptacle, Plug, Three Prong, 60 Hz, 15A, 250VAC	1
-	07491	Filter, Line, 50 Hz	1
9	61095	Flatwasher #4	2
10	63006	Lockwasher, Split, Steel, #4	2
11	60463	Nut, Hex, Steel, #4-40	2
12	67378	Power Cord, 3 Conductor, 115V, 60 Hz, 15A	1
-	91605	Power Cord, 3 Conductor, 250V, 50 Hz, 10A	1
13	07341	Motor Interface Board	1
14	67310	Insulation, Tape, Vinyl, Closed Cell Foam, 1/8 inch thick x 1/4 inch wide	A/R*
15	67312	Screw, Phillips, Pan Head, #8-32 x 3/8 long	3
16	67311	Split Washer, Black, #8 x 0.040 thick	16
17	91482	Nut, 8-32	4
18	64679	Standoff, 1/4 x 5/16 long	4
19	61597	Screw, Machine, Pan Head, Slotted, SST, #10-32 x 3/8 long	47
20	63016	Split Washer, #10 x 0.040 thick	40
21	67302	Hinge	2
22	67312	Screw, Machine, Pan Head, Slotted, Black, #8-32 x 3/8 long	16
23	90721	Cap Screw, Socket Head, #8-32 x 3/8 long	2
24	67313	Screw, Machine, Flat Head, 82° Countersink, Black, #10-32 x 3/8 long	2
25	07300	Door Assembly (European CE instruments only)	1
26	07583	Cover Assembly, Kydex® Acrylic Resin	1
27	07308	Door Seal (European CE instruments only)	1
28	67852	Cap, Polyethylene, Black	4
29	67853	Washer, Steel, #10	4
30	67383	Flatwasher, Nylon, 0.194 ID x 0.375 OD x 0.125 thick	4
31	67875	Velcro® Fastener, Hook	7 inch
32	07318	Plate Assembly, Top, Frame	1
33	07638	Boot, Gyro	1
34	07556	Insulating Ring, Foam, Gyro	1
35	07417	Temperature Sensor Assembly	1
36	07312	Bowl and Evaporator Assembly(European CE only)	1
37	07685	Seal, Latch	2
38	67874	Velcro® Fastener, Loop	7 inch

**Table 9-6. Parts of the RT7 (continued)
(keyed to figure 9-4)**

<i>ITEM</i>	<i>P/N</i>	<i>DESCRIPTION</i>	<i>QTY</i>
39	60436	Louver, #14 Mesh, 3 inch Diameter	2
40	67324	Foot	4
41	63803	Screw, Cap, Socket Head Hex, SST, 1/4-20 x 3/8 long	4
42	91258	Screw, Phillips, Gray	4
43	61132	Screw, Machine, Pan Head, Slotted, SST, #6-32 x 5/16 long	2
44	63011	Lockwasher #6	2
45	60674	Screw, Machine, Flat Head, 82° Countersink, #6-32 x 1/4 long	6
46	90818	Nut, Speed, 10-24	2
47	60074	Nut, Hex, SST, #6	2
48	07640	Shield Assembly, Insulating, P.C. Board	1
49	61321	Flat Washer, #10	4
50	67330	Switch, Brake	1
51	91602	Switch, Power, 60 Hz	1
-	91603	Switch, Power, 50 Hz	1
52	64877	Woodruff Key, 3/32 x 3/8	1
53	07572	Support Block, Shaft	1
54	60023	Truarc® Retaining Ring, External, 1/4 inch, SST	1
55	67380	Relay, 24Vdc, 50/60 Hz, 3PDT, 3/16 Contacts	1
56	60522	Flatwasher, SST, 0.169 ID x 0.304 OD x 0.032 thick	1
57	83091	Gasket, 5/8 Wide, 1/4 thick	A/R
58	63305	Flatwasher, 3/16 ID x 11/16 OD x 1/16 thick	2
59	60674	Screw, Machine Head, #6-32 SST	4
60	83139	Overlay, Switch	1
61	12974	Knob, Latch Control	1
62	61682	Setscrew, Hex Socket, Black, #8-32 x 7/16 long	1
63	07316	Main Harness	1
64	07462	Console Assembly, 60 HZ	1
-	07463	Console Assembly, 50 HZ	1
65	07495	Tach Port	1
66	92049	Retaining Ring, Truarc	1
67	92115	Insulating Tape	A/R
68	63022	Washer, Lock, Split, SST, #5	1
69	60821	Screw, Machine, Hex Head, #5-18 x 3/4 long	1
70	91708	Nut, Speed, Type, J, #10-24	2

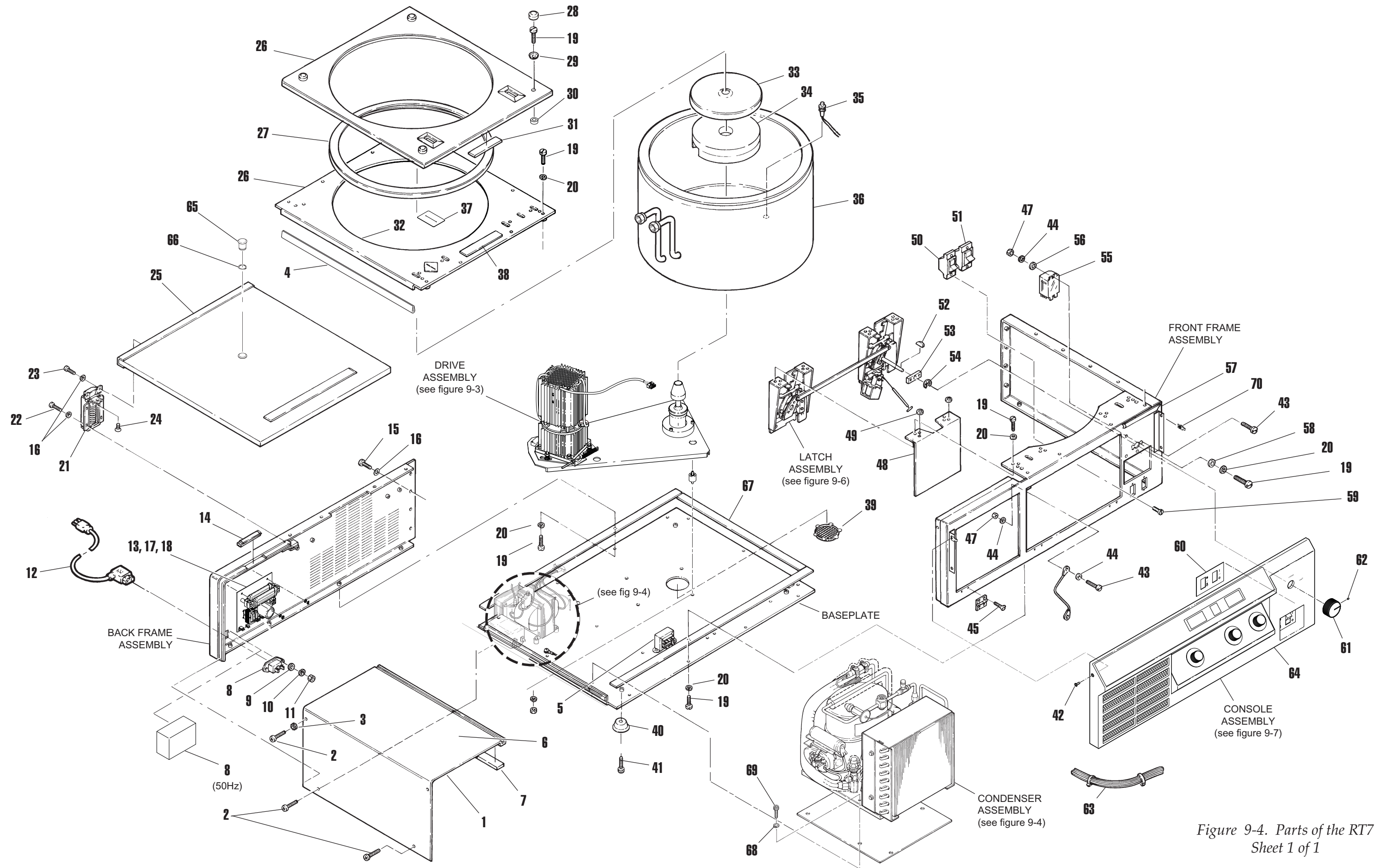


Figure 9-4. Parts of the RT7
Sheet 1 of 1

**Table 9-7. RT7 PLUS Drive Assembly
(keyed to figure 9-5)**

<i>ITEM</i>	<i><u>P/N</u></i>	<i><u>DESCRIPTION</u></i>	<i><u>QTY</u></i>
1	07528	Plate Assembly, Drive	1
2	68658	Belt, V-drive, 3/16 wide x 29.5 long, Polyflex	1
3	67399	Spring, Extension, 0.360 OD x 1.75 long x 0.058 Wire Diameter	1
4	07609	Hook, Spring Retaining	1
5	63832	Nut, Hex, SST, #10-24	2
6	07321	Plate, Motor Mounting	1
7	61141	Nut, Hex, 1/2-20	4
8	63019	Lockwasher, 1/4	6
9	62396	Screw, Machine, Pan Head, Slotted, SST, #4-40x 5/8 long	2
10	61072	Flatwasher, #4, SST, 1/8 ID x 1/4 OD x 0.022 thick	2
11	62716	Microswitch, SPDT	1
12	62245	Insulator, Fish Paper	1
13	07329	Motor Assembly, 115V	1
14	63017	Lockwasher, Split, #10 SST, 0.047 thick	6
15	63019	Lockwasher, Split, 1/4, SST, 0.047 thick	7
16	65548	Shock Mount	4
17	07956	Mounting Bracket, Imbalance Detector	1
18	07957	Imbalance Detector Assembly	1
19	68860	Screw, Set, Socket Hex Head, Flat Point, 3/8-16 x 1-1/2 long	1
20	65779	Loctite® #242	A/R
21	07955	Top Bracket, Imbalance Detector	1
22	61146	Screw, Cap, Socket Hex Head, SST, #6-32 x 3/8 long	2
23	63011	Lockwasher, Split, #6, SST, 0.031 thick	2
24	07347	Gyro Assembly	1
25	66788	Screw, Cap, Socket #1/4-20	2
26	07921	Gyro Pulley	1
27	68796	Trantorque® Keyless Machine Mount	2
28	63076	Screw, Cap, Socket Hex Head, SST, #10-32 x 1 inch long	3
29	60751	Flatwasher, SST, 17/64 ID x 1/2 OD x 0.031 thick	6
30	67921	Compression Spring, 0.360 OD x 0.44 long x 0.045 diameter	3
31	67315	Flatwasher, Nylon, 0.562 OD x 0.260 ID x 0.062 thick	6
32	61141	Nut, Hex, SST, 1/4-20	3

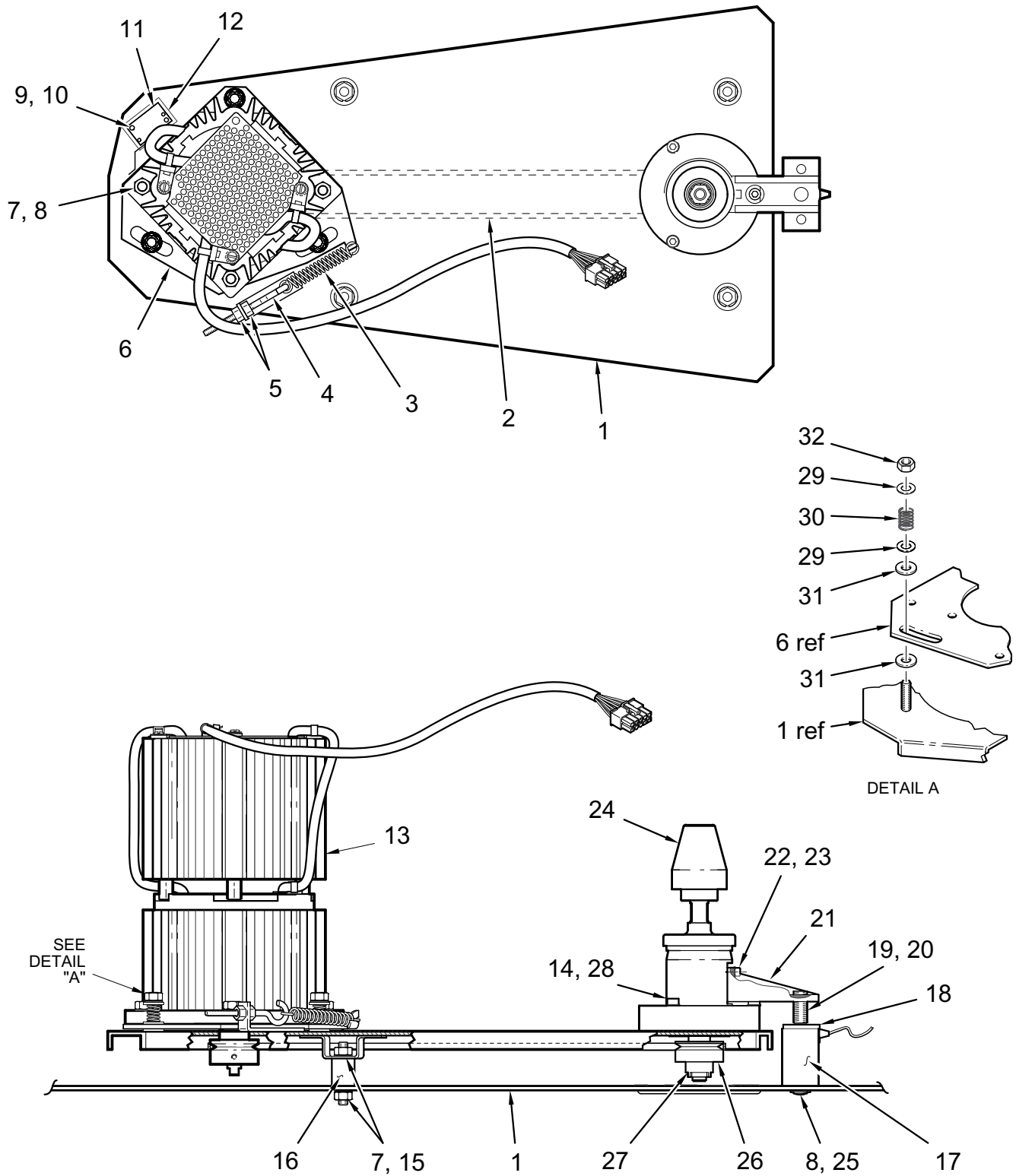


Figure 9-5. Drive Assembly, RT7 PLUS Only

**Table 9-8. RT7 PLUS Refrigeration System
(keyed to figure 9-6)**

<i>ITEM</i>	<i>P/N</i>	<i>DESCRIPTION</i>	<i>QTY</i>
1	83185	Condenser Assembly, 60 Hz, 115Vac	1
-	83184	Condenser Assembly, 50 Hz, 200Vac	-
2	07437	Transformer Assembly, 50 HZ	1
3	07337	Filter, Motor	1
4	94120	Screw, 8-32 x 3/8 long	1
5	66665	Choke, Filter, 21 MH, 5 ADC	1
6	63022	Lockwasher, Split, 5/16 x 0.056, SST	1
7	60821	Screw, Cap, Socket Hex Head, 5/16-18 x 3/4 inch long	4
8	63085	Flatwasher, SST, 0.169 ID x 0.304 OD x 0.032 thick (qty 8 for 50 Hz)	4
9	63015	Lockwasher, Split, #8 SST, 0.047 thick (qty 10 for 50 Hz)	4
10	60967	Screw, Machine, Pan Head, 8-32 x 3/8 long	6
11	64401	Spacer, Round, 1/2 inch diameter (50 Hz)	4
12	64695	Screw, Machine, Pan Head, Slotted, 8-32 x 7/8 long (50 Hz)	4
13	67829	Fan Blade	1
14	67828	Motor, Fan, 60 Hz	1
15	67839	Motor, Fan, 50 Hz	-
-	07662	Rubber Mat, Compressor	1
16	07585	Tubing Assembly, Refrigeration	1
17	67831	Relay, Overload, Compressor, 60 Hz	1
18	67840	Relay, Overload, Compressor, 50 Hz	-
-	67827	Start Capacitor, 60 Hz	1
19	67838	Start Capacitor, 50 Hz	-
-	83173	Tubing Assembly, Expansion Valve	1
20	64748	Clamp, Microgear, 1/2-7/8 diameter range, SST	2
21	66452	Insulation Tape, Self-Adhering	A/R
22	67850	Switch, Overload, 115V, 60 Hz	1
23	67851	Switch, Overload, 230V, 50 Hz	-
-	92294	Sealant, Pipe	A/R
-	92101	Fuse Holder, 50 Hz only	1
24	92112	Fuse, 8 Amp, Slo-Blo, 50 Hz only	1

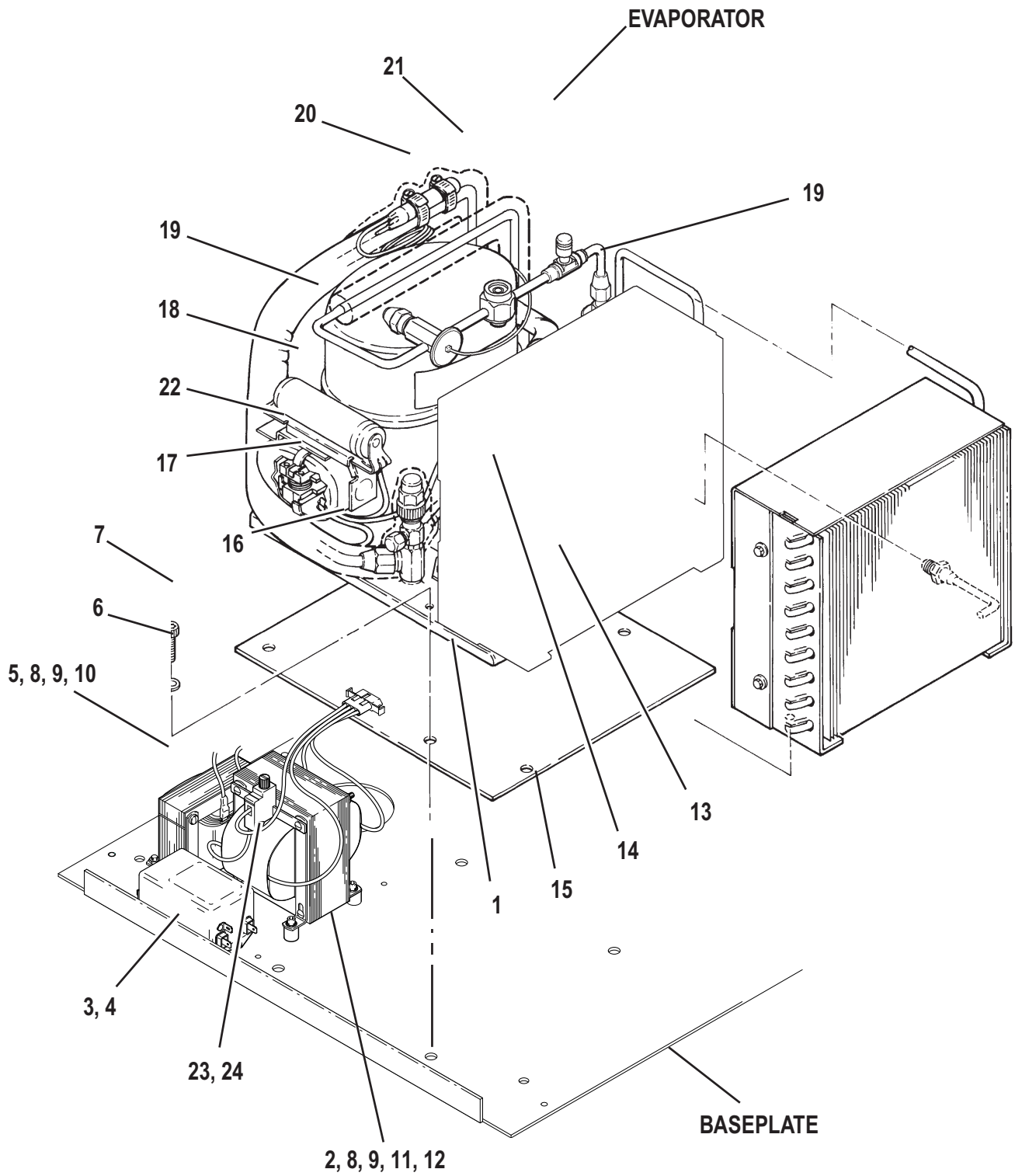


Figure 9-6. Refrigeration System: RT7 PLUS

**Table 9-9. RT7 and RT7 PLUS: Console Assembly
(keyed to figure 9-7)**

<i>ITEM</i>	<i>P/N</i>	<i>DESCRIPTION</i>	<i>QTY</i>
1	07462	Console Assembly, 60 Hz	1
-	07463	Console Assembly, 50 Hz	-
2	83129	Console, 60 Hz	1
-	83190	Console, 50 Hz	-
3	07415	Temperature Knob	1
4	07466	Speed Knob	1
5	83154	Time Knob, 60 Hz	1
-	83153	Time Knob, 50 Hz	-
6	83139	Overlay	1
7	91717	Hinge, Brass	3
8	67376	Screw, Flat Head, #6 x 0.38 long	6
9	83117	Cable Assembly, SST, Nylon Coated, 0.037 OD x 11.0 long	1
10	07409	Control P.C. Board Assembly	1
11	91729	Screw, Machine, Pan Head, Phillips, SST, #6-32 x 1/4 long	5
12	07555	Potentiometer Assembly, Temperature	1
13	07440	Overspeed/Display P.C. Board Assembly	1
-	83003	SD1 LED Display (custom)	-
-	07999	SD2 LED Display (custom)	-
14	83075	Potentiometer Assembly, Speed	1
15	07513	Timer Assembly	1
16	67717	Adhesive, Loctite® #495	A/R
17	83172	Insulator, Fish Paper	1
18	91417	Screw, Machine, Pan Head, Phillips, SST, #6-32 x 3/8 long	3
19	21990	Label, Warning, High Voltage	1
20	90858	Cable, Display or Fault light P.C. Board (for Rev. 2 or lower display board)	1
-	OR		
-	07438	Cable, Display or Fault light P.C. Board (for Rev.3 or higher display board)	1
21	67882	Cord Stock, 1/8 diameter, Black	A/R
22	07464	Overlay, Display	1

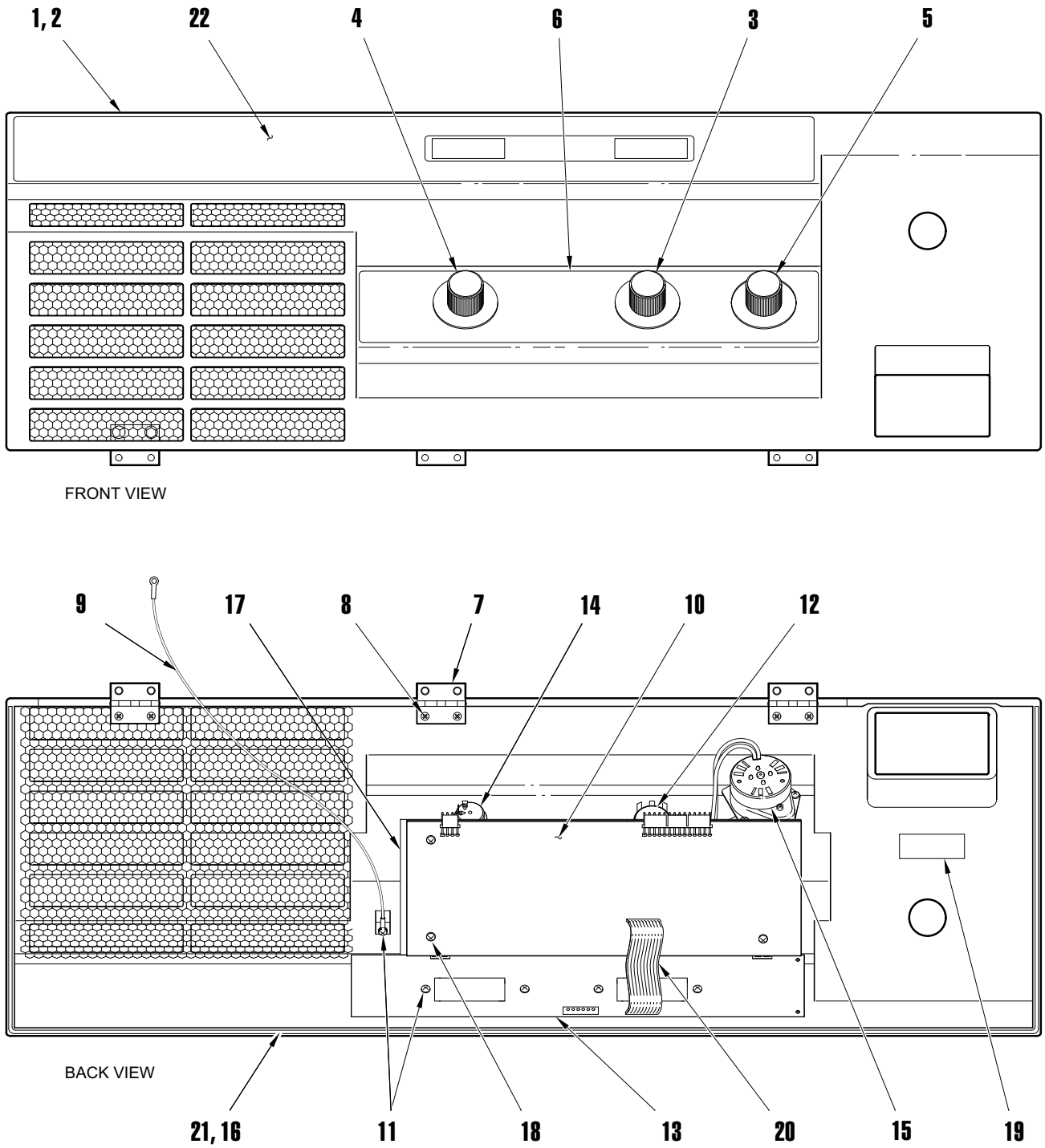


Figure 9-7. Console Assembly
RT7 and RT7 PLUS

**Table 9-10. RT7 and RT7 PLUS: Lid Latch Mechanism
(keyed to figure 9-8)**

<i>ITEM</i>	<i>P/N</i>	<i>DESCRIPTION</i>	<i>QTY</i>
1	90405	Locknut, 1/4-20	2
2	07543	Linkage, Latch	1
3	64591	Lubricant, Plastilube®	1
4	63016	Lockwasher, Split, SST, #10 x 0.040 thick	7
5	61597	Screw, Machine, Pan Head, Slotted, SST, #10-32 x 3/8 long	7
6	61817	Screw, Machine, Pan Head, Phillips, SST, #10-24 x 1/4 long	2
7	83166	Shaft Assembly, Latch	1
8	07518	Bracket Assembly, Solenoid	1
9	66753	Microswitch, SPDT, leaf type	1
10	62587	Insulator, Switch, 1-15/32 x 1 inch wide	1
11	62396	Screw, Machine, Pan Head, Phillips, SST, #4-40 x 5/8 long	2
12	61072	Flatwasher, SST, #4, 0.125 ID x 0.025 OD x 0.022 thick	2
13	63004	Lockwasher, Split, SST, #4 x 0.020 thick	2
14	07578	Linkage Assembly, Manual Release	1
15	07629	Solenoid Assembly	1
16	07652	Pin, Actuator	1
17	67866	Switch, Pushbutton, DPDT, 15A, 125/250 VAC	1
18	60224	Screw, Fillister Head, Slotted, SST, #6-32 x 1 inch long	2
19	60522	Flatwasher, SST, #4, 5/32 ID x 3/8 OD x 0.031 thick	2
20	62021	Lockwasher, Split, SST, #6 x 0.031 thick	2
21	07606	Insulator, Fish Paper, 2.9 long x 1.0 wide x 0.031 thick	1
22	07541	Gusset Assembly	2
-	07469	Latch Kit, RT7/7+	1

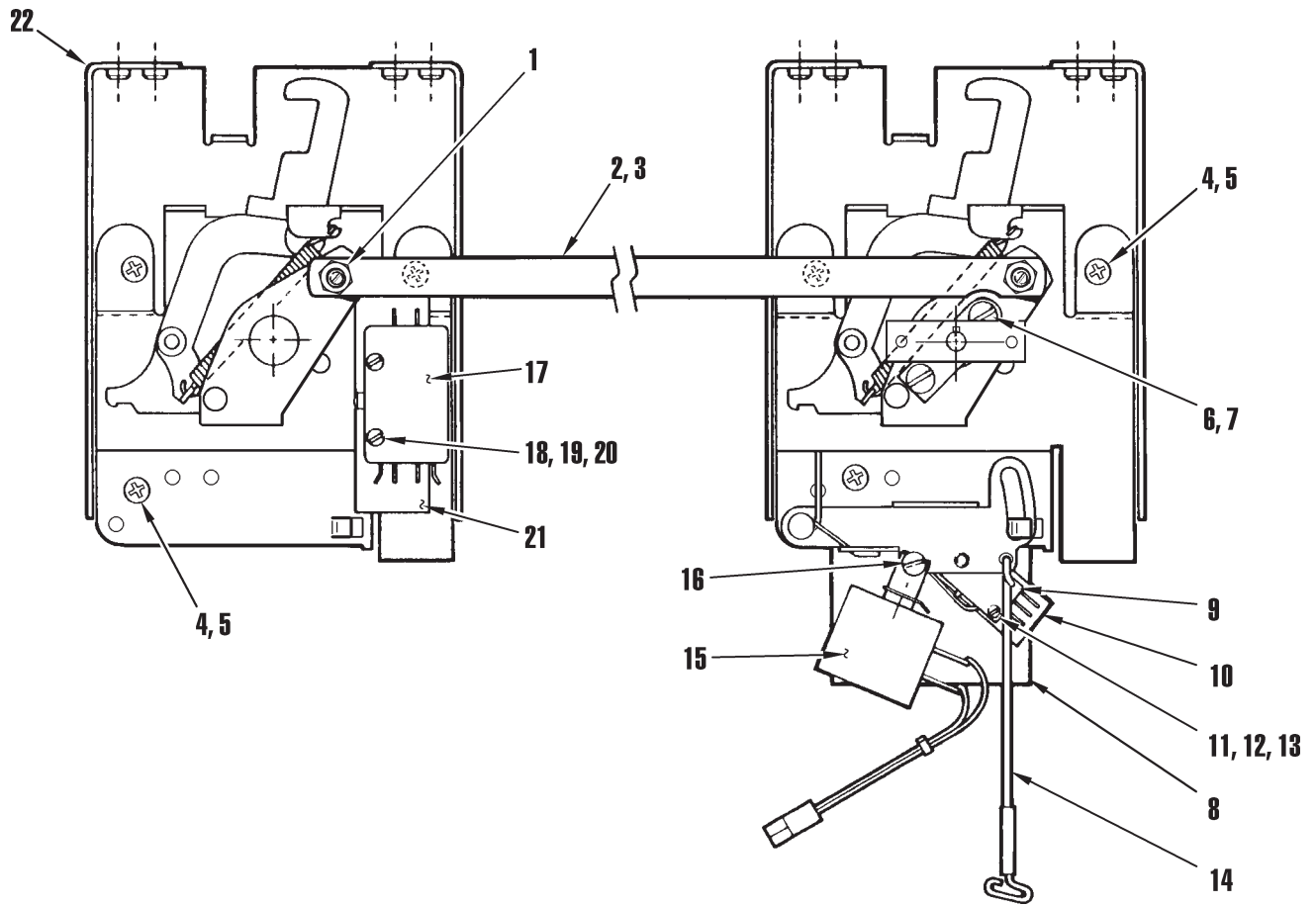


Figure 9-8. Lid Latch Mechanism