

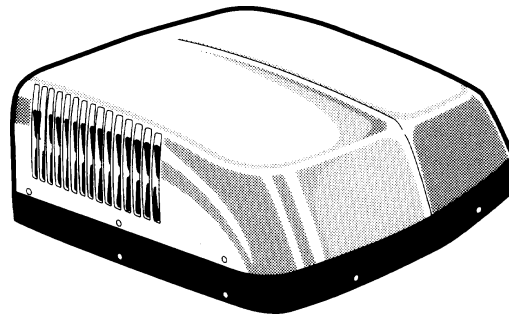


WHEN ORDERING SPARE PARTS, ALWAYS STATE:
MODEL NO. - PRODUCT NO. - QUANTITY -
PART NUMBER - DESCRIPTION

Duo-Therm®

CAB COMFORT A/C

MODEL 59155.602C



USA
SERVICE OFFICE
The Dometic Corp.
509 South Poplar Street
LaGrange, IN 46761
219-463-4858

CANADA
Dometic Dist.
866 Lings Dr.
Cambridge, Ontario
CANADA N3H 2N7
519-653-4390

**For Service Center
Assistance Call:**
800-544-4881

PARTS LIST

MODEL
59155.602C
Product No. 991760340

NOTES:

[illegible]

ALPHABETICAL INDEX

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SPECIFICATIONS

MODEL NO.	59155.602C
Nominal Capacity (BTU/HR)	8,000
Electrical Rating	115 VAC, 60 Hz., 1 ph.
Compressor Rated Load Amps	6.6
Fan Motor Rated Load Amps	2.0
Compressor Locked Rotor Amps	39.2
Fan Motor Locked Rotor Amps	6.0
Power, Cooling (KW)	1.0
Heater Amps/Watts***	12.7 Amps/1530 Watts @120V AC
SCFM - High Speed Max./Min.	270
Refrigerant (R22) Oz.	36.5
Minimum Wire Size* AC	12 AWG Copper Up to 24 ft.
Circuit Protection	20 Amp Time Delay Fuse or HACR Circuit Breaker
Installed Weight (Pounds)	100
Minimum Generator**	3.5 KW
Minimum Inverter**	2500W

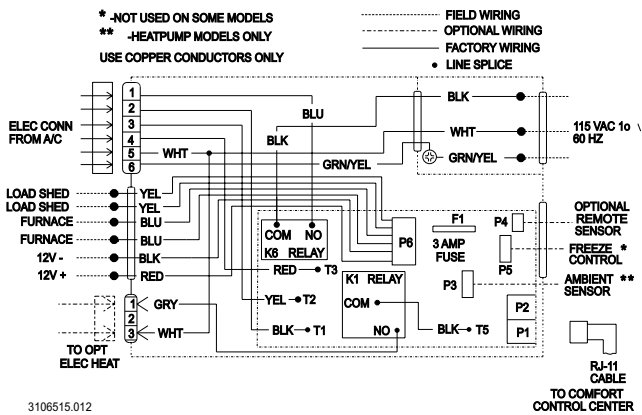
This information subject to change without notice.

* For distances over 24 ft., consult the National Electric Code.

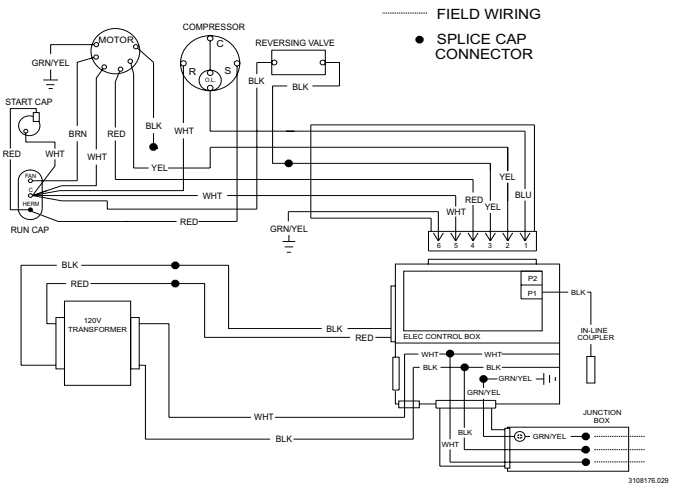
** The Dometic Corporation gives General guidelines for inverter and generator requirements. These guidelines come from experiences people have had in actual applications. When sizing the inverter and generator, the ability to start the appliance as well as the total power usage of your vehicle must be considered. All motors draw near their full locked rotor amperage for fraction of a second on start up. The power source must be able to handle this surge. Also keep in mind generators lose power at high altitudes and from lack of maintenance and that both inverters and generators are derated at elevated temperatures.

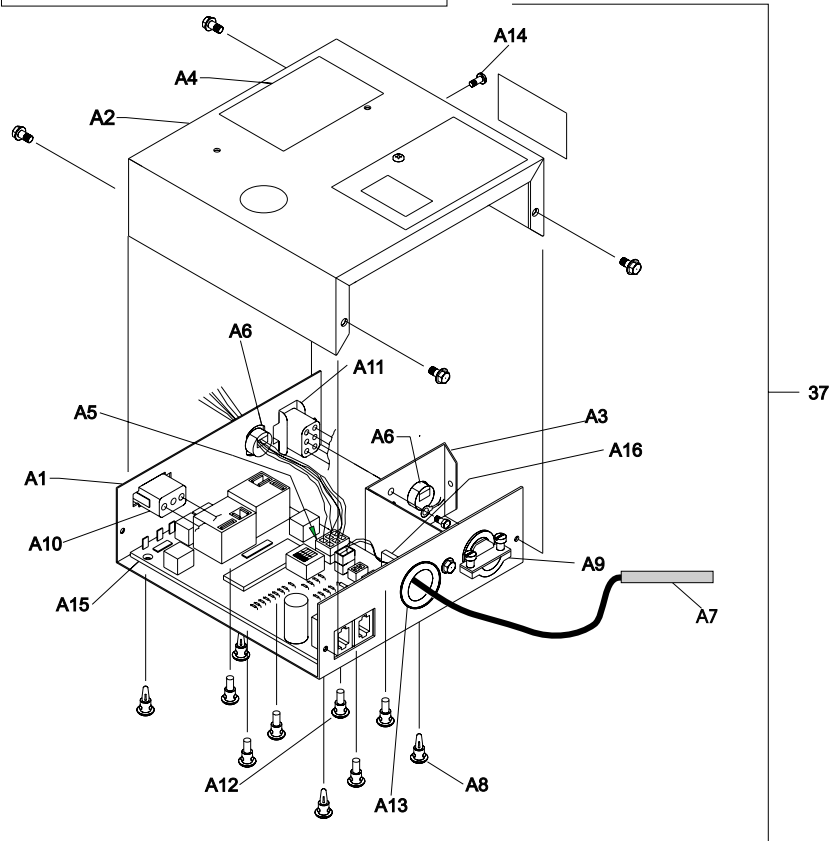
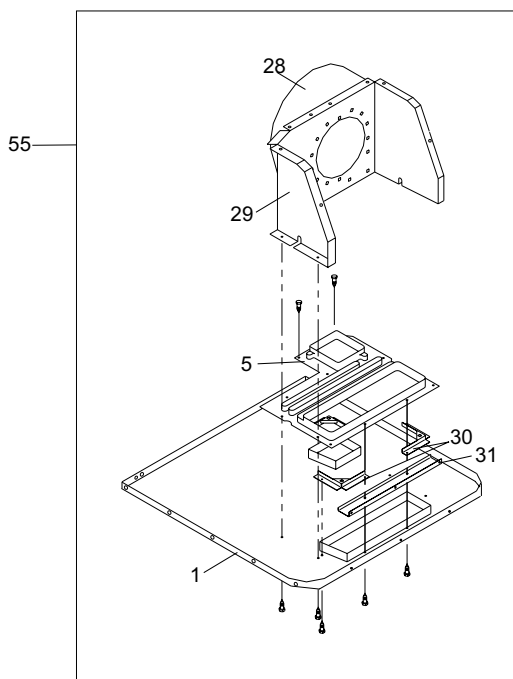
*** On Generator power only.

ELECTRONIC KIT WIRING DIAGRAM (Reference)



FIELD WIRING DIAGRAM





MODEL 59155.602C CAB COMFORT A/C

Index #	Description	Part No.	
1	Base Pan	See Note 1	
2	Bulkhead, Condenser	317923.001	
3	Brisk Air Motor Kit	3108706.916	
4	Motor Support	3103844.027	
5	Drain Pan	See Note 1	
6	Evaporator Coil	3105520.021	
7	Evaporator Cover	314885.002	
8	Foam Insulation	3105014.066	
9	Fan Blade	3107914.008	
10	Condenser Coil	3105521.011	
11	Condenser Coil Cover	309383.000	
12	Copper Tubing 6.78"-.375" OD	315761.082	
13	Bulkhead Brace	3100357.023	
14	Mounting Gasket	3100247.000	
15	Front Channel	3102811.001	
16	Field Wiring Decal	3108176.029	
17	Blower Wheel	3104887.009	
18	Inlet Ring	3106415.007	
19	Motor Mount Grommet (4 req.)	3100230.022	
20	Motor Mount Spacer (4 req.)	308046.002	
21	Ethafoam Block, 2" x 2" x .75" (7 req.)	3100587.009	
22	Compressor Plate Asm.	3107478.004	
23	Flange Nut #8-32 (4 req.)	306342.003	
24	Flange Nut 5/16"-18 (3 req.)	306342.002	
25	Screw, S 10-16 x .75" THCR (14 req.)	313685.001	
26	Foam Insulation	3108084.009	
27	Shoulder Screw (2 req.)	3102834.003	
28	Weldment Blower Housing	3100865.033	
29	Bulkhead, Evaporator SGL In/Out	3100831.092	
30	Mounting Bracket Asm. (3 req.)	3106290.020	
31	Front Brace	See Note 1	
32	Foam Tape (57" req.)	312790.000	
33	Solenoid, Coil	3105504.009	
34	Control Cable RJ11	3106614.021	
35	Fiberglass Sleeving 3/8" OD – 25"	3100394.109	
36	Compressor Stabilizer Bracket	3109109.003	
37	Control Kit Asm.	3109271.001	
A1	A/C Control Box	3106496.007	
A2	A/C Control Cover	3106499.001	
A3	Junction Box	3106497.005	
A4	Field Wiring Decal	3106515.012	
A5	Connector Asm.	3106532.009	
A6	Strain Relief (2 req.)	302994.001	
A7	Low Temperature Thermister	3109409.001	
A8	PC Board Standoff (4 req.)	3101624.017	
A9	Connector Cable	20010.000	
A10	Connector Asm.	3106513.017	
A11	Connector Asm.	3106514.015	
A12	PC Board Support (6 req.)	3101623.019	
A13	Snap-In Bushing	301028.042	
A14	Screw, T 8-32 x .38" (6 req.)	307987.007	
A15	A/C Power Board	3109229.009	
A16	3 Amp Fuse	3106592.003	
38	In-Line Coupler	3106696.002	
39	Run Capacitor 25/10 MFD-370V AC	3100248.453	
40	Wire Harness, Reversing Valve	3105505.014	
41	Capacitor Strap	317188.000	
42	Ambient Sensor	3106483.021	
43	Worm Drive Clamp	3107614.004	
44	Junction Box	3101316.036	
45	Transformer, 120V/12V	3108074.000	
46	Capillary Tube, ID .046" x 42" (2 req.)	3100245.203	
47	Compressor Asm.	3108085.014	
48	Terminal Cover	3108072.004	
49	Gasket Cover	3103800.003	
50	Overload Protector	3100250.368	
51	Shroud PW	3103147.009	
B1	Foam Tape 1.25" x .75" x 11" (2 req.)	3102669.037	
52	Compressor Mtg. Grommet (3 req.)	3100238.207	
53	Nut, Flange Comp.	306342.004	
54	Compressor Mtg. Sleeve (3 req.)	3100239.122	
55	Base Pan Kit	3108700.323	
56	Reversing Valve Weldment	3108077.011	
57	Insulation Set	3104152.008	
58	Kit, Starter	3106732.005	
59	Electrical Box	3108030.002	

Customer Option - Required

Box Asm., Complete Air PW w/ Plates 3107570.031
Box Asm., Complete Air PW w/o Plates 3108083.019

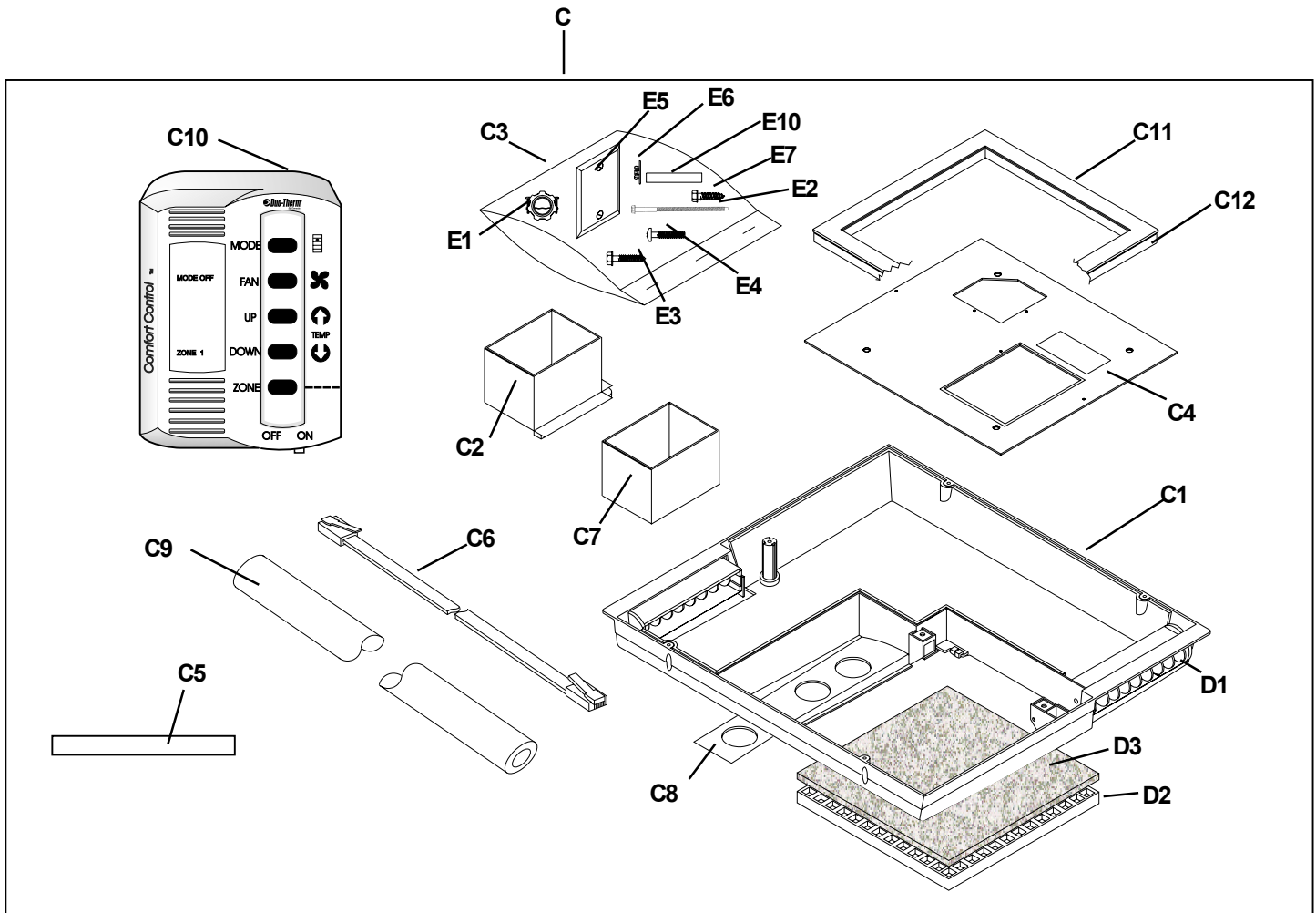
Customer Option - Not Required

Heater Assembly 3107523.015
Kwyatt Power 2.0 3108124.011
Statpower 2500 Inverter 3107328.019

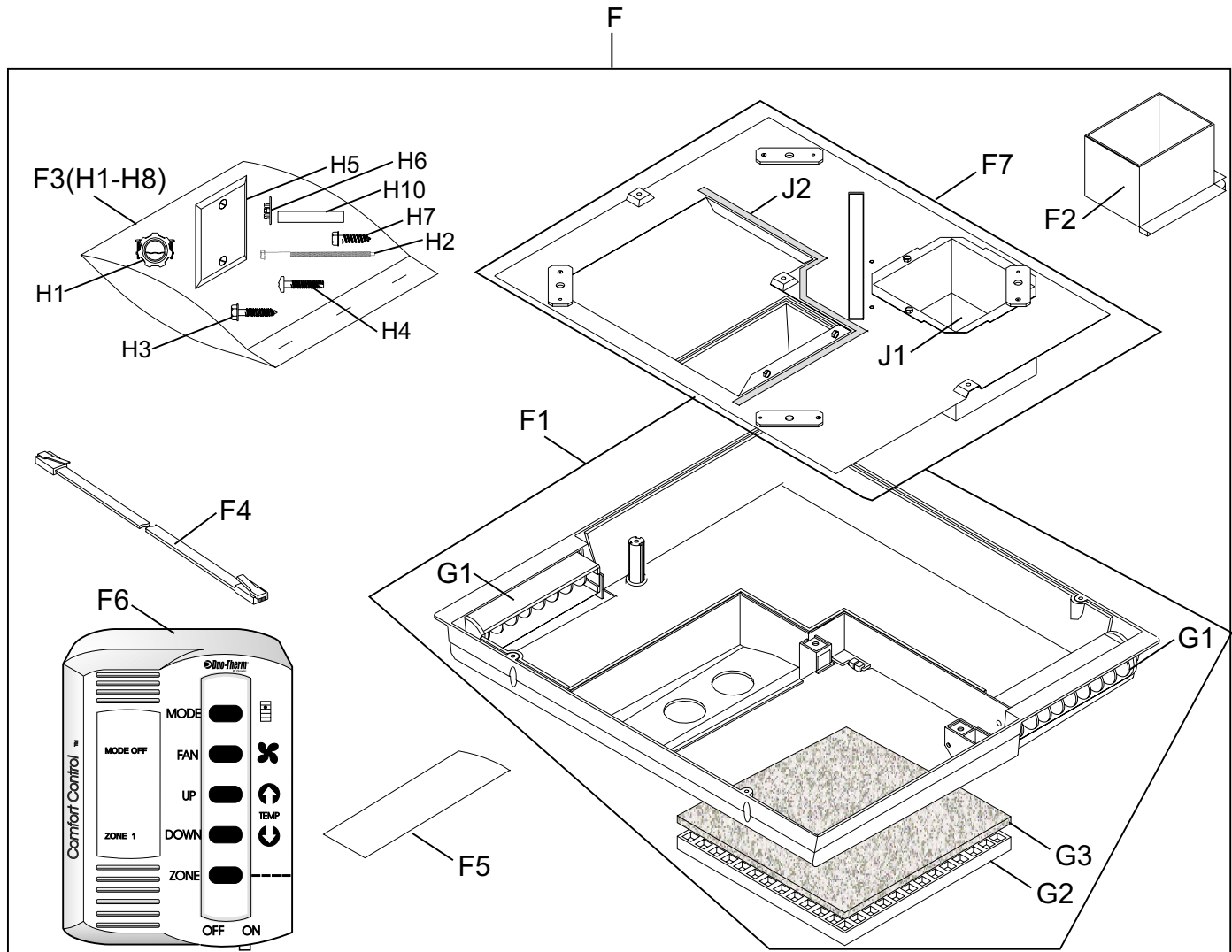
Note 1: Not available as individual part, order Base Pan Kit 3108700.323.
Kit includes items 1, 5, 28, 29, 30 & 31.

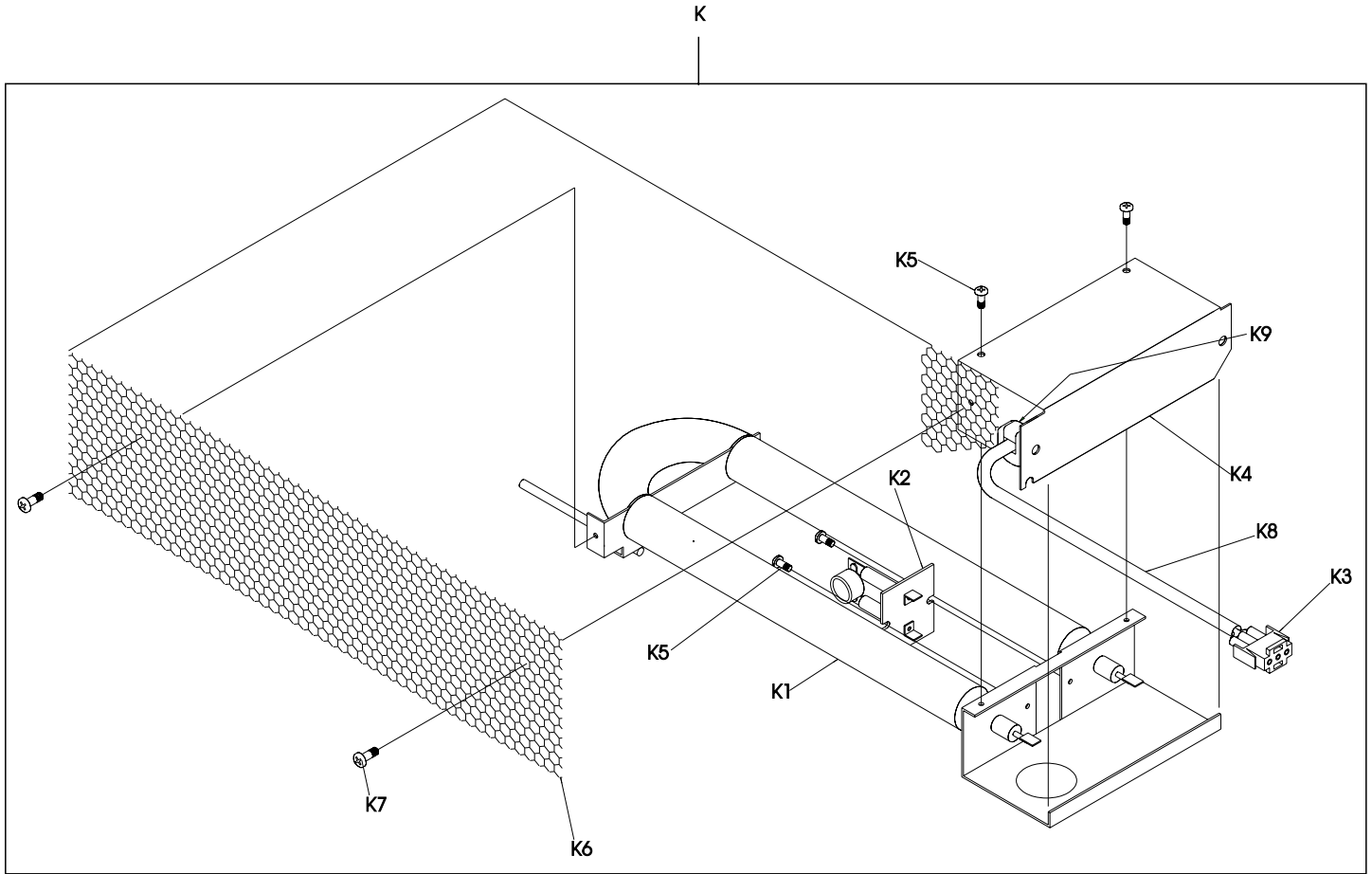
COMPLETE AIR BOX ASSEMBLY

Index #	Description	Part No.
C	Air Box Assembly, Complete w/plates	3107570.031
C1	Air Box Assembly, Heat/Cool, PW	3107188.033
D1	Louver Assembly (2 req.)	3107189.007
D2	Return Air Grill, PW	3107053.005
D3	Return Air Filter	3108015.003
C2	Upper Duct Extension	316450.000
C3	Parts Bag Assembly, PW	3107194.023
E1	Connector, Cable	20010.000
E2	Screw, M 1/4"-20 x 5" (4 req.)	3106756.046
E3	Screw, S 8-18 x .62" (4 req.)	312096.004
E4	Screw, T 10-24 x 1/2" (5 req.)	312194.002
E5	Cover, Junction Box	3101316.028
E6	Hole Plug, PW	3104931.013
E7	Screw, S 10-16 x 1/2" (3 req.)	307879.004
E10	Foam Tape, 1/2" x 1/4" x 10"	312790.000
C4	Inside Ceiling Plate	3107730.008
C5	Foam Tape, 1/2" x 1/4" x 10"	312790.000
C6	Control Cable, 216"	3106614.013
C7	Lower Duct Extension	313605.003
C8	Escutcheon Plate	3107217.014
C9	PVC Pipe, 15"	3107732.004
C10	Comfort Control Center	3109228.001
C11	Outside Roof Plate	3107731.006
C12	Roof Gasket	3107090.007



Index #	Description	Part No.
F	Air Box Assembly, Complete w/o plates	3108083.019
F1	Air Box Assembly, Heat/Cool, PW	3107188.033
G1	Louver Assembly (2 req.)	3107189.007
G2	Return Air Grill, PW	3107053.005
G3	Return Air Filter	3108015.003
F2	Upper Duct Extension	316450.000
F3	Parts Bag Assembly	3107194.023
H1	Cable Connector	20010.000
H2	Screw, M 1/4-20 x 7" (4 req.)	3106756.046
H3	Screw, S 8-18 x .62" (4 req.)	312096.004
H4	Screw, T 10-24 x 1/2" (5 req.)	312194.002
H5	Junction Cover	3101316.028
H6	Hole Plug, PW	3104931.013
H7	Screw, S 10-16 x 1/2" (3 req.)	307879.004
H10	Foam Tape 10"	312790.000
F4	Control Cable 216"	3106614.013
F5	Escutcheon Plate	3107217.014
F6	Comfort Control Center	3109228.001
F7	Ceiling Template Assembly	3107193.009
J1	Lower Extension	313605.003
J2	Foam Tape (22.5" req.)	3107890.000





HEATER ASSEMBLY

Index #	Description	Part No.
K	Heater Assembly	3107523.015
K1	Heater Element	3103778.001
K2	Auto Limit Switch	3104613.009
K3	Connector Housing Plug	3106625.001
K4	Heater Cover	3104569.011
K5	Screw, T 6-32 x .38 (4 req.)	312194.003
K6	Heat Element Guard	3103821.001
K7	Screw, T 8-32 x .38 (2 req.)	312194.008
K8	Fiberglass Sleeve	3100394.117
K9	Strain Relief	302994.012