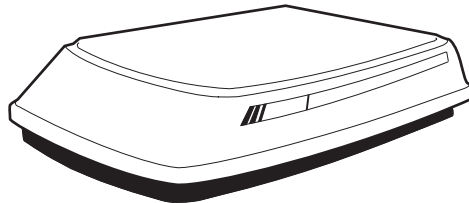




RECORD THIS UNIT INFORMATION FOR FUTURE
REFERENCE:

Model Number _____
Serial Number _____
Date Purchased _____

Roof Mount Caravan Air Conditioner



CAL MODELS
with Electric Heat
100 Volts — 50/60 HZ.

PARTS LIST

MODEL
CAL136.301

Product No. 991650411
Includes Suffix C

REVISION

Form No. 3104983.022 9/98
(Replaces 3104983.014)
©1998 The Dometic Corporation
LaGrange, IN 46761

SPECIFICATIONS

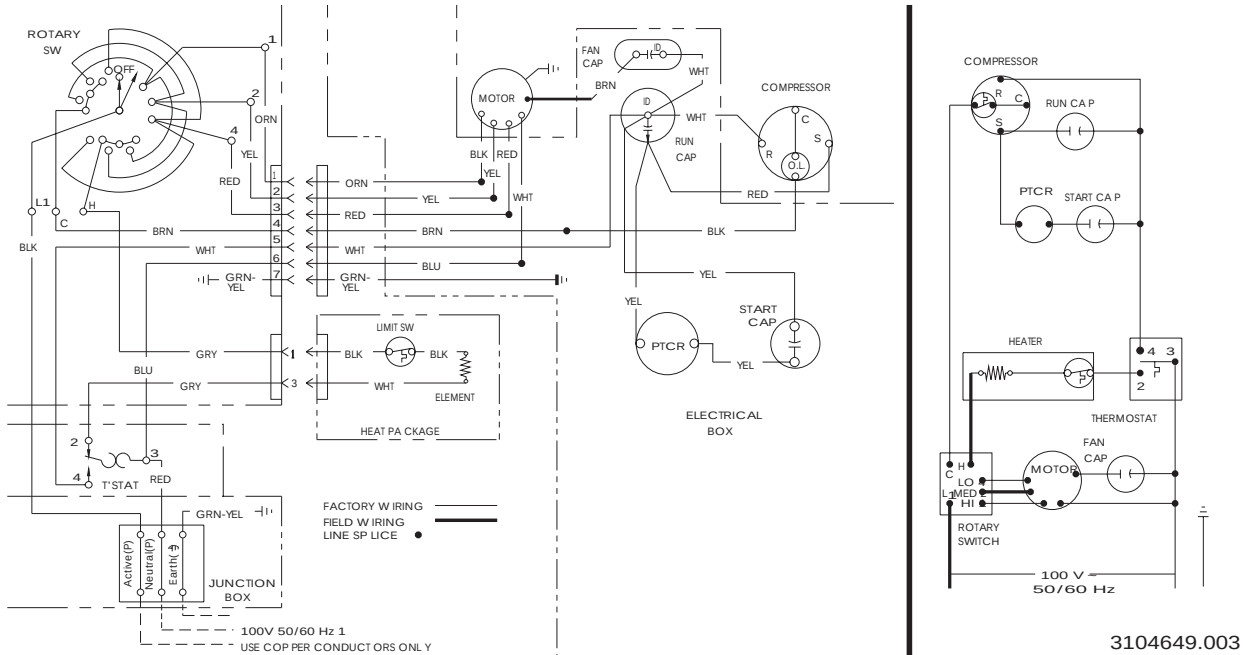
ALPHABETICAL INDEX

	Page	Index #
Assembly, Air Conditioner ..	5	1-57
Assembly, Air Box Complete	7	A1-D5
Assembly, Box Only	7	D1-D5
Assembly, Ceiling Template	7	B1-C6
Assembly, Heater Element .	7	C1-C6
Kit, Relay	8	E1-E12
Kit, Analog	9	G1-G5
Kit, Return Air cover	8	F1-F12
Wiring Diagrams	2-3	---

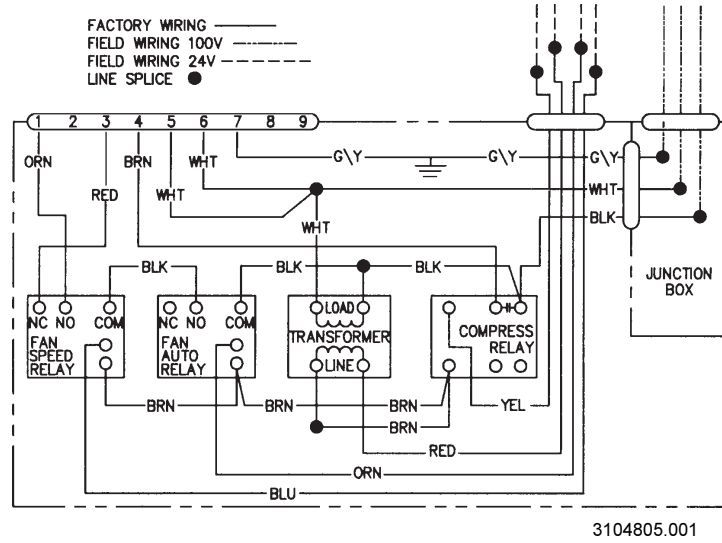
	Air Conditioner		Electric Heater	
Cycles	50 Hz	60 Hz	50 Hz	60 Hz
Nominal Capacity (KW)	3.1	3.8	1.3	1.5
Full Load Amps (Comp/Htr)	12.6	12.8	12.8	15.3
Full Load Amps (Fan Motor)	3.4	3.6	3.4	3.6
Lock Rotor Amps (Compressor)	71.0	66.0	— —	— —
Lock Rotor Amps (Fan Motor)	9.0	8.0	9.0	8.0
Total Input Power (KW)	1.3	1.6	1.7	1.9
Electrical Rating	100 Volt; 50/60 Hz.; 1 Ph.			
Minimum Wire Size	Up to 8 meters, use 2.5mm ²			
Circuit Protection	20 amp Time Delay Fuse or 20 amp Circuit Breaker, Time Delay			

* The Dometic Corporation gives **GENERAL** guidelines for generator requirements. These guidelines come from experiences people have had in actual applications. When sizing the generator, the total power usage of your recreational vehicle must be considered. Also keep in mind generators lose power at high altitudes and from lack of maintenance.

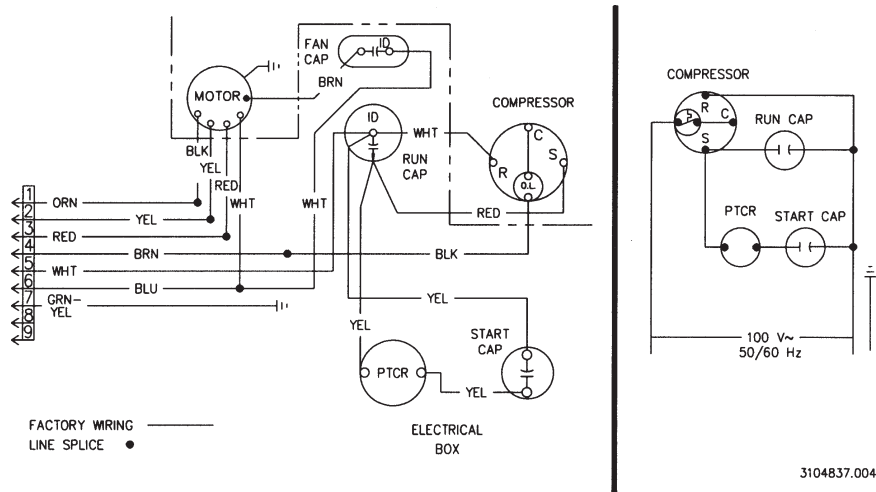
WIRING DIAGRAM
AIR CONDITIONER WITH AIR BOX



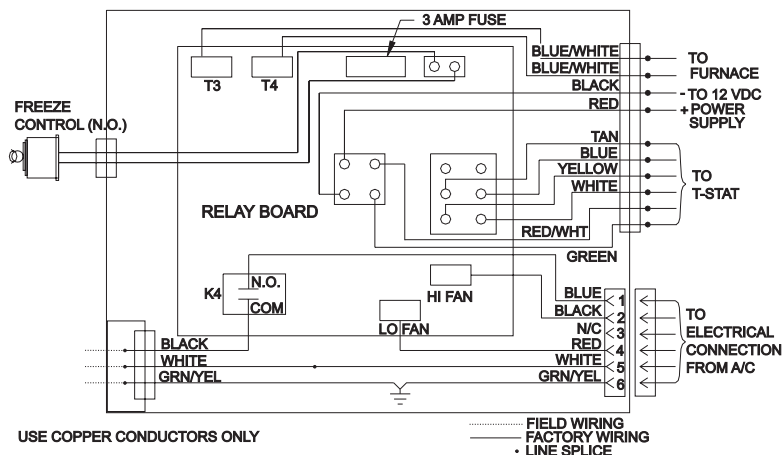
WIRING DIAGRAM RELAY KIT 3104751.007



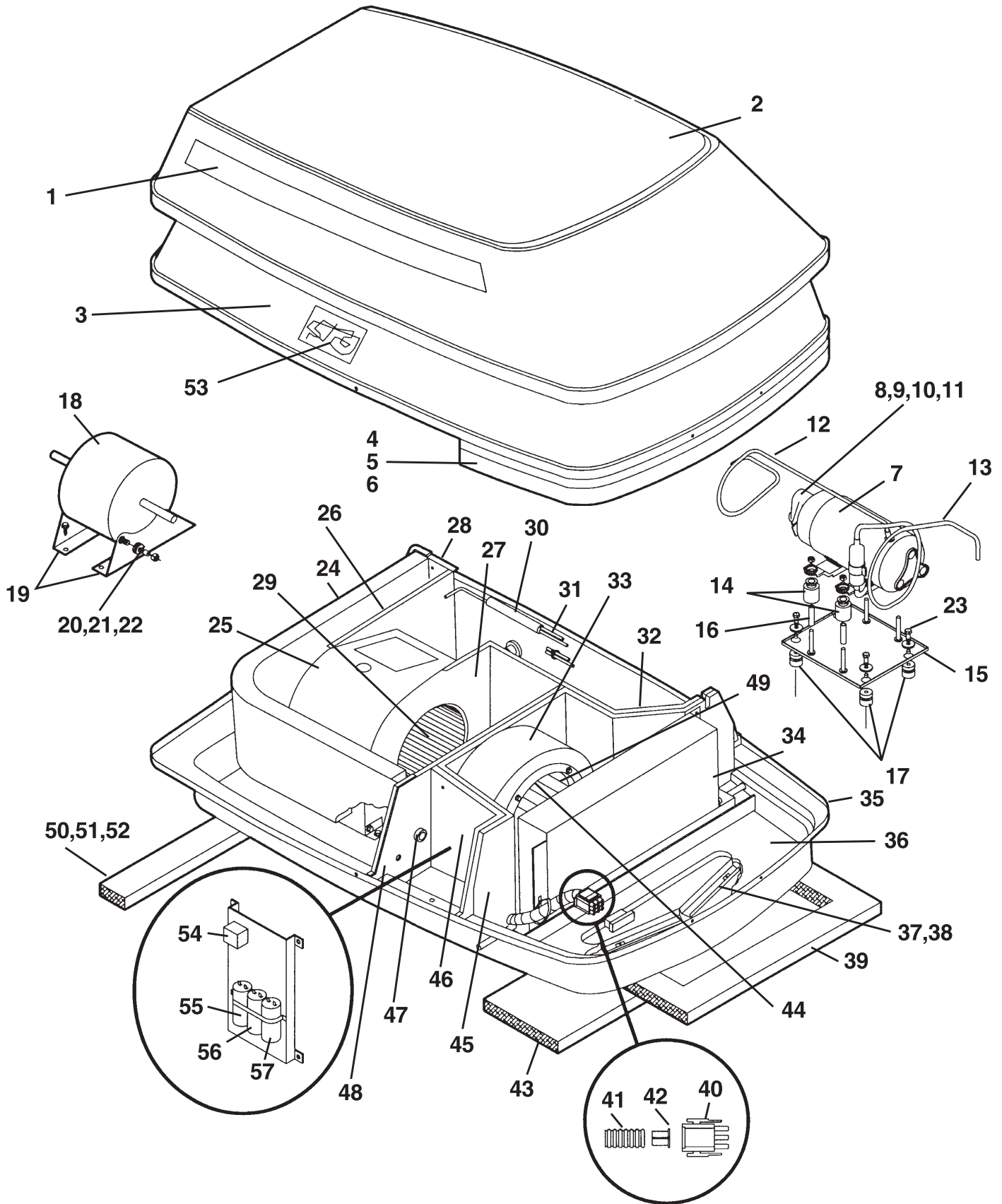
WIRING DIAGRAM DUCTED AIR CONDITIONER



WIRING DIAGRAM for 3108255.005



CAL 136.301 AIR CONDITIONER ASSEMBLY



CAL 136.301 AIR CONDITIONER ASSEMBLY

Index #	Description	Part No.
1	Decal, shroud (2 req.)	3104799.006
2	Shroud, outer	See NOTE 1
3	Shroud, inner	3101886.004
4	Cover, evaporator	3100268.006
5	Insulation, housing, top	3100373.004
6	Insulation, slug (not shown)	3100287.014
7	Compressor Asm. (Sanyo 8060804012)	3104651.009
8	Overload	3100250.228
9	Cover, terminal	3102321.001
10	Gasket, terminal	3102320.003
11	Nut, flange	306342.005
12	Line, discharge	3102985.003
13	Line, suction	3102788.001
14	Grommet, comp., top (4 req.)	3100238.181
15	Weldment, compressor plt.	3102590.035
16	Sleeve, comp., mtg. (4 req.)	3100239.114
17	Grommet, comp. (4 req.)	3102324.005
18	Motor, blower	3106201.019
19	Bracket, motor mtg. (2 req.)	3100258.007
20	Grommet, motor (4 req.)	3100230.022
21	Nut, flange, motor (4 req.)	306342.003
22	Spacer, motor mnt. (4 req.)	308046.000
23	Nut, flange, comp. (4 req.)	306342.002
24	Coil Asm.	3101467.003
25	Blower, scroll	3100260.003
26	Blower, side, rear	3100261.001
27	Blower, side, front	3100259.005
28	Plate, close-off	3100256.001
29	Wheel, blower	3100274.004
30	Filter, drier	3103882.001
31	Capillary tubes (2 req.)	3100245.343
32	Bulkhead, compressor	3100255.037
33	Blower housing., evaporator	3100300.007
34	Coil, evap.	3100272.024
35	Base pan, modified	3104729.019
36	Pan Asm., drain	3104648.005
37	Bracket, mtg.	3100297.005
38	Nut w/mtg. clip (3 req.)	3100280.027
39	Gasket, 14" x 14"	3100247.000
40	Plug, male, 9 pole	3106625.027
41	Sleeving, wire	318087.009
42	Connector, cable	20010.000
43	Insulation, housing	3100294.002
44	Ring, blower/inlet	3100257.009
45	Insulation, bulkhead	3100266.000
46	Bulkhead, electrical box	3102532.029
47	Strain, relief	302994.018
48	Bulkhead, evaporator	3100254.055
49	Wheel, evaporator	3100273.006
50	Gasket, 16" x 1.5" (2 req.)	3100286.016
51	Gasket, 10" x 1.5"	3100286.032
52	Ethafoam block (2 req.)	3100587.009
53	Decal, field wiring	3104837.004
54	Relay, PTCR	3100876.006
55	Capacitor, run	3100248.461
56	Capacitor	315010.001
57	Capacitor, start	3100236.169

NOTE 1:

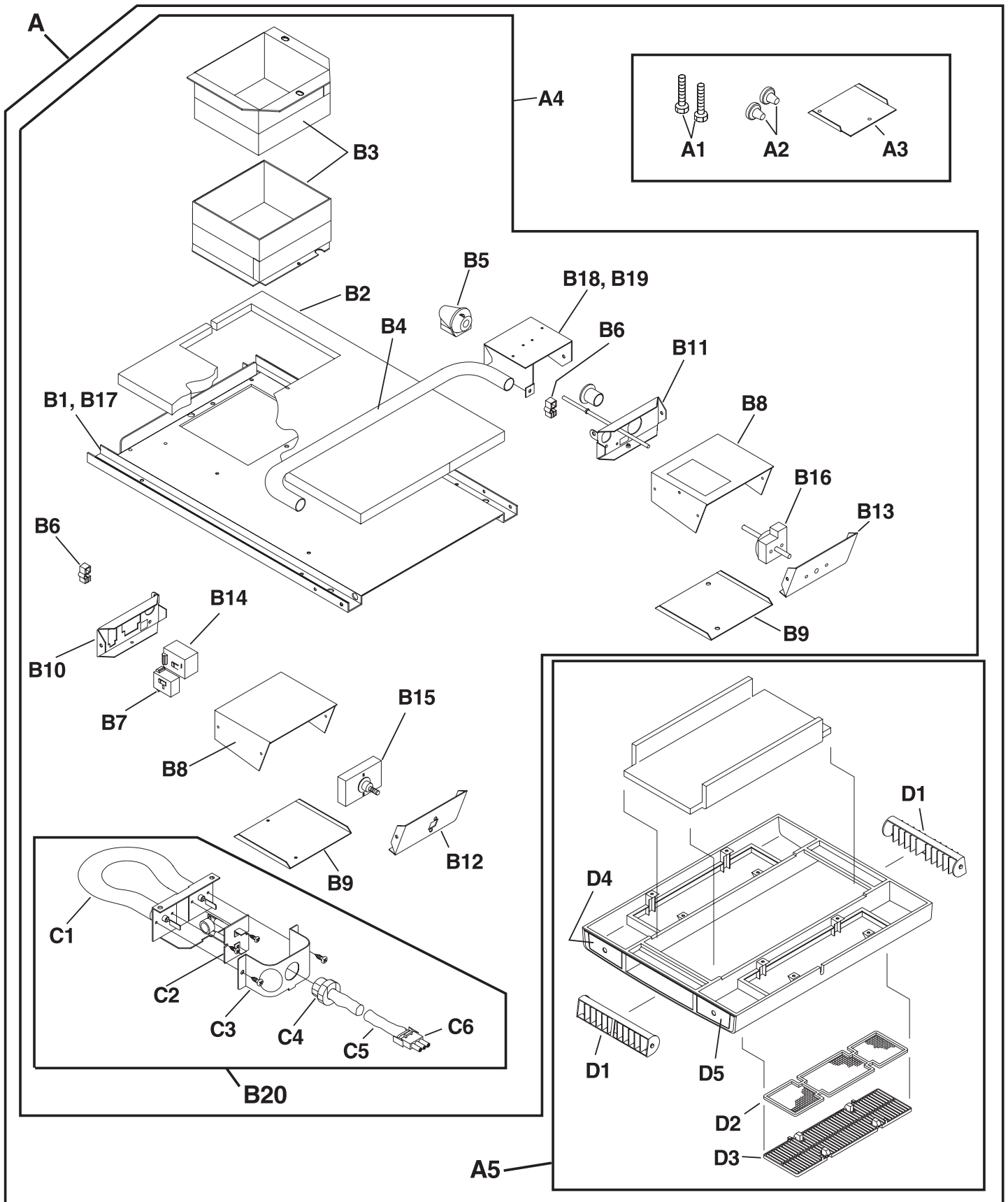
Shroud Part Number

CAL 136.301 (Shell White)	3107746.004
CAL 136.301C (Polar White)	3107746.012

CUSTOMER OPTIONS (Required)

Index #	Description	Part No.
A	Assembly, Air Box, Cmpl. A1-D5	3100292.048
	Assembly, Air Box, Cmpl. A1-D5	3100292.097
E	Kit, Relay E1-E12	3104751.007
F	Kit, Return Air Cover F1-F12	3105007.003 SW
	Kit, Return Air Cover F1-F12	3105007.011 PW
	Kit, Return Air Cover F1-F12	3105007.029 GRY
	Kit, Return Air Cover F1-F12	3105935.005 SW
	Kit, Return Air Cover F1-F12	3105935.013 PW
G	Kit, Relay	3108255.005

CUSTOMER OPTIONS (Required)

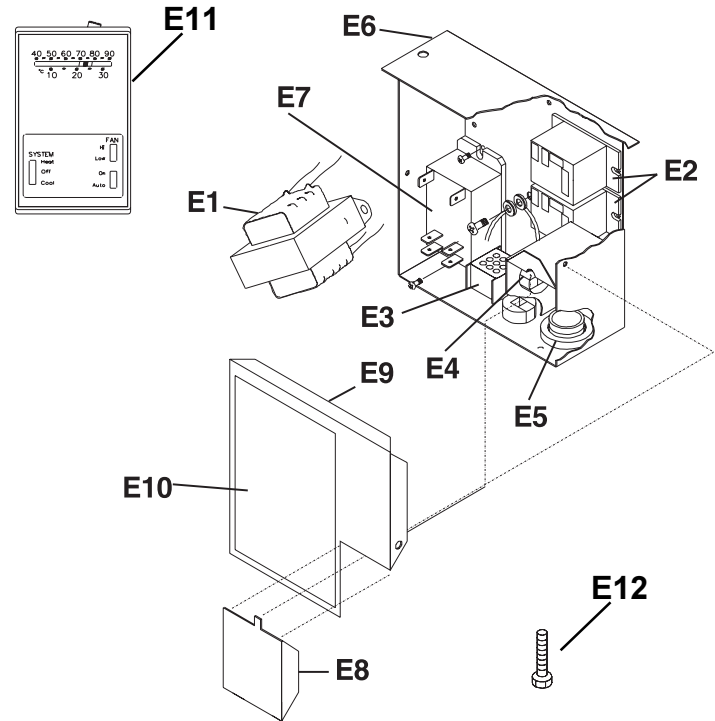


CUSTOMER OPTIONS (Required)

Index #	Description	Part No.	Part No.
A	Assembly, Air Box Complete - Shell White	3100292.048	-----
	Assembly, Air Box Complete - Polar White	-----	3100292.097
A1	Bolt, mtg. 1/4-20 x 6"	3106756.012	3106756.012
A2	Knob, 3/4" black	3106121.001	3106121.001
A3	Cover, junction box	3100232.002	3100232.002
A4	Assembly, Ceiling Template	3104738.004	3104738.004
B1	Template, only	3100265.028	3100265.028
B2	Insulation, template	3107133.005	3107133.005
B3	Extension, duct	3100262.025	3100262.025
B4	Sleeving, wire	318087.007	318087.007
B5	Strain relief	3100492.002	3100492.002
B6	Strain relief	302994.017	302994.017
B7	Plug, female, 3-pole	3106624.004	316624.004
B8	Box, junction	3100275.001	3100275.001
B9	Cover, junction box	3100278.013	3100278.013
B10	Box, back, LH	3100299.019	3100299.019
B11	Box, back, RH	3100279.011	3100279.011
B12	Box, front, LH	3105271.005	3105271.005
B13	Box, front, RH	3100277.031	3100277.031
B14	Plug, female, 9-pole	3106624.020	3106624.020
B15	Switch, rotary	3100488.000	3100488.000
B16	Thermostat	3100952.005	3100952.005
B17	Decal, field wiring	3104649.003	3104649.003
B18	Box, junction	3100231.012	3100231.012
B19	Block, terminal	3102249.004	3102249.004
B20	Assembly, heater element	3104728.005	3104728.005
	C1 Element, heating	3104737.006	3104737.006
	C2 Switch, auto limit, 130F.	3101123.002	3101123.002
	C3 Box, electric	3101125.007	3101125.007
	C4 Strain relief	302994.012	302994.012
	C5 Sleeve, glass, 21"	3100394.083	3100394.083
	C6 Plug, male, 3-pole	3106625.001	3106625.001
A5	Assembly, Box Only - Shell White	3100288.053	-----
	Assembly, Box Only - Polar White	-----	3100288.079
D1	Assembly, louver, RVA	3100289.002	3100289.002
D2	Filter, air	3100281.009	3100281.009
D3	Grille, return air	3100270.002	3100270.010
D4	Decal, switch selector	3100407.000	3100407.000
D5	Decal, thermostat	3100406.002	3100406.002

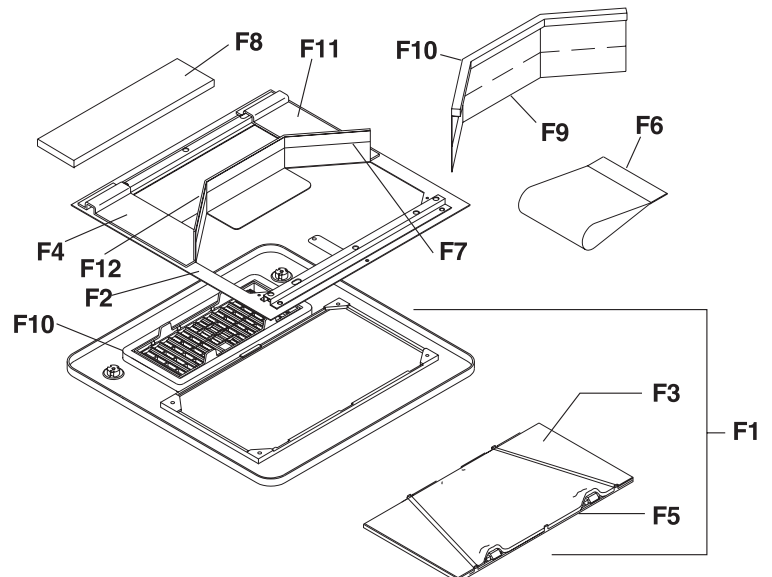
CUSTOMER OPTIONS (Required)

Index #	Description	Part No.
E	Kit, Relay	3104751.007
E1	Transformer	3104804.004
E2	Relay, SPDT	3104766.005
E3	Cap, housing connector	3106624.020
E4	Strain relief	302994.006
E5	Connector, cable	20010.000
E6	Box, electric	3104769.009
E7	Relay, DPST, No. comp.	3104446.004
E8	Cover, junction box	3104771.005
E9	Cover, electrical box	3104773.001
E10	Decal, field wiring	3104805.001
E11	Thermostat, White	3104775.014
E12	Bolt, mounting, 1/4-20 x 7	3100375.041

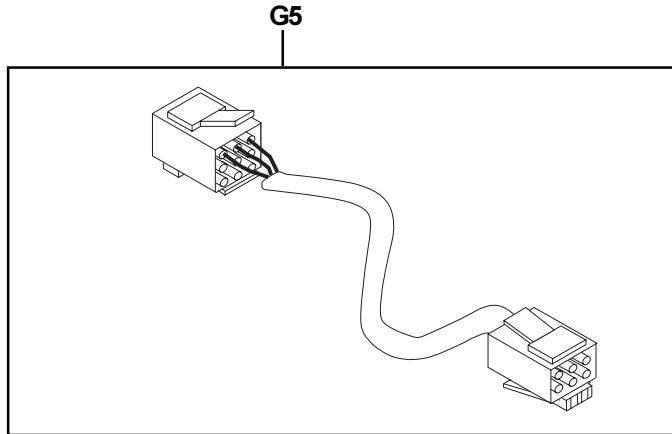
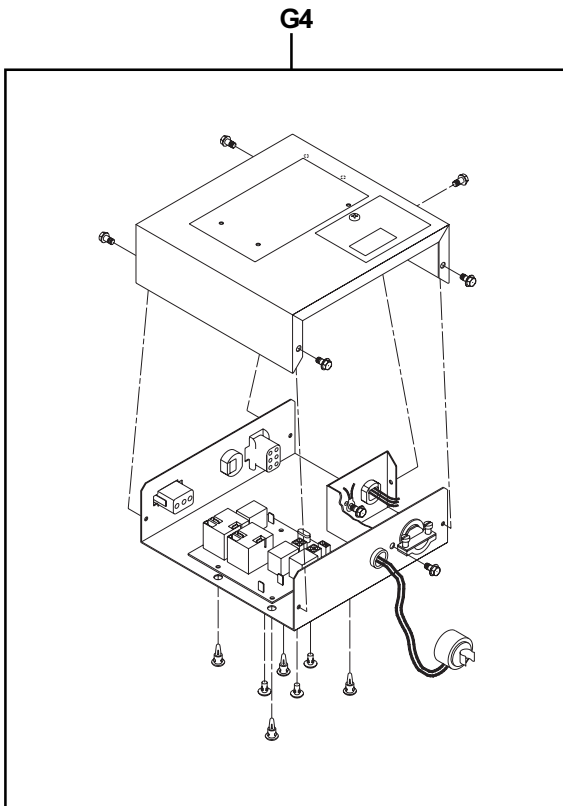
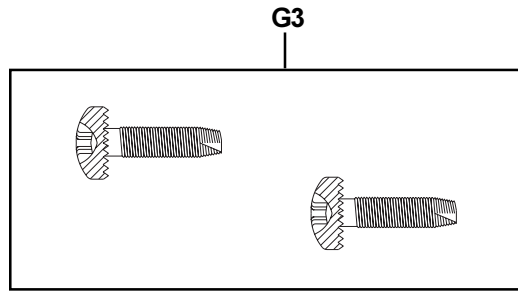
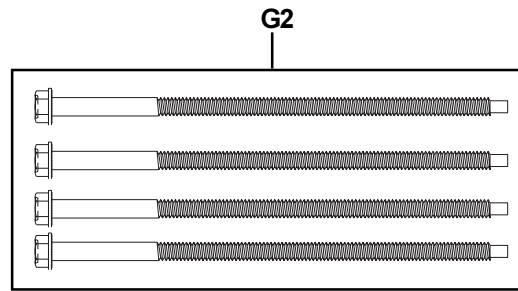
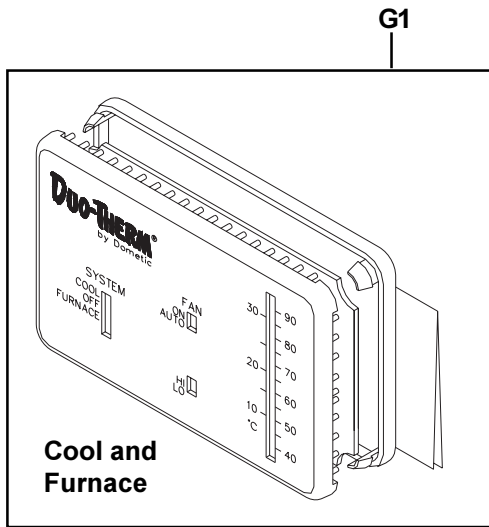


CUSTOMER OPTIONS (Required)

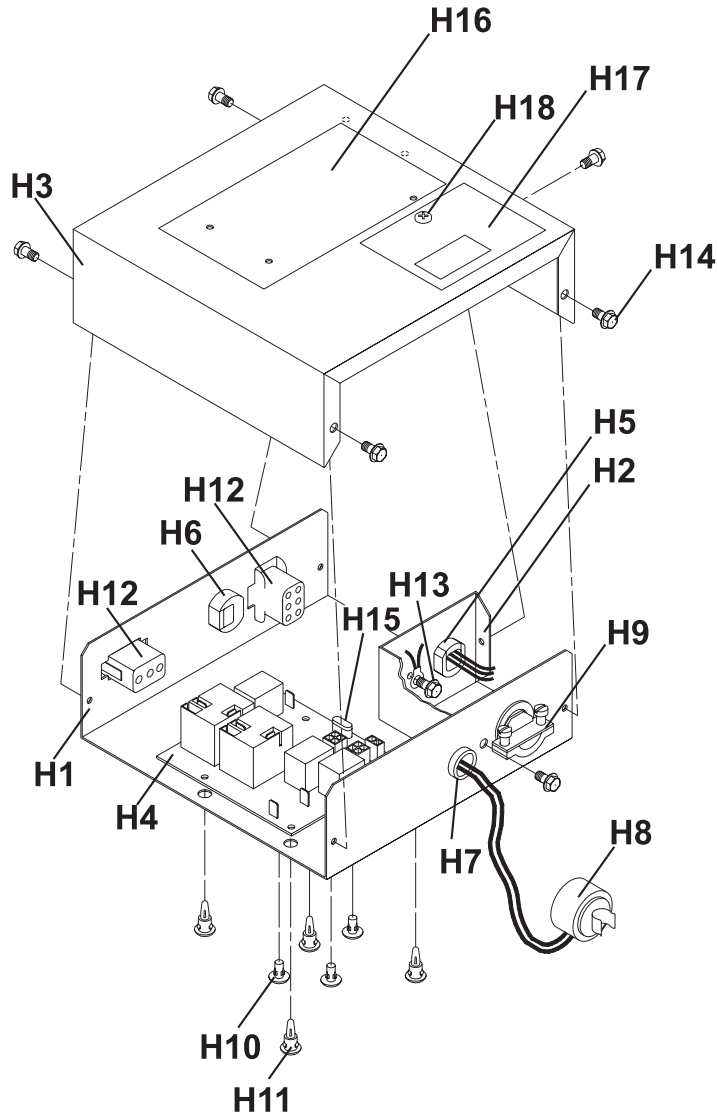
Index #	Description	Part No.	Part No.
F	Kit, Return Air Cover	3105935.005 SW	3105007.003 SW
		3105935.013 PW	3105007.011 PW
			3105007.029 GRY
F1	Cover, asm., return air (SW)	3105958.007	3105148.005
	Cover, asm., return air (PW)	3105958.015	3105148.013
	Cover, asm., return air (GRY)	-----	3105148.021
F2	Template, ceiling only	3105000.016	3105000.008
F3	Filter, air	3105012.003	3105012.003
F4	Insulation, ceiling template	3105946.002	3105010.007
F5	Grill, return air (SW)	3104928.001	3104928.001
	Grille, return air (PW)	3104928.019	3104928.019
	Grille, return air (GRY)	-----	3104928.027
F6	Assembly, parts bag	3108701.381	3108701.381
F7	Tape, foam, 16"	3105154.003	3105154.003
F8	Insulation, foam	3105014.009	3105014.009
F9	Divider, slide	3105009.009	3105009.009
F10	Tape, foam	306168.000	306168.000
F11	Insulation, ceiling template, LH	3105946.010	-----
F12	Insulation, foam	3105014.017	3105014.017



G 3108255.005 ANALOG RELAY KIT (G1–G5)



Index #	Description	Part No.
G	Analog Relay Kit	3108255.005
G1	Thermostat, Analog	3106995.032
G2	Screw, M1/4-20 x 8" (4 req.)	3106756.020
G3	Screw, 10-24 x .50" (2 req.)	312194.002
G4	Relay Board Kit (See Page 4 for A1-A18)	3106997.004
G5	Cable, Adapter	3108217.005



Kit, Board Relay

Item No.	Description	Part No.
H	Relay, Board kit	3106997.004
H1	Box, relay	3107153.003
H2	Box, junction	3106497.005
H3	Cover, A/C control	3106499.001
H4	Board, relay	3106996.022
H5	Relief, strain	302994.001
H6	Relief, strain	302994.006
H7	Bushing, snap-in	301028.042
H8	Switch, low temperature	3106480.001
H9	Connector, cable	20010.000
H10	Support, PC board	3101623.019
H11	Stand-off, PC board	3101624.017
H12	Connector asm.	3107155.008
H13	Screw, T-8-32 x .38	312237.012
H14	Screw, T-8-32 x .38	307987.007
H15	Element, fuse 3 amp	3106592.003
H16	Decal, wiring	3107750.006
H17	Cover, junction	3106498.003
H18	Screw, T-10-24 x .50	312194.002