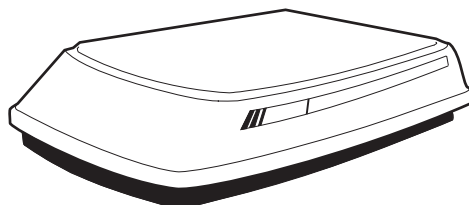




WHEN ORDERING SPARE PARTS, ALWAYS STATE:
MODEL - QUANTITY - PART NUMBER - DESCRIPTION
FOR ELECTRIC DETAILS ALSO:
VOLTAGE - WATTAGE

CAL SERIES

Roof Mount Caravan Air Conditioner



CAL MODELS

With Optional Electric Heat 220/240 VAC, 50 HZ.

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

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

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

MODEL CAL 136.302 Product Code 991650421

PARTS LIST

MODEL
CAL 136.302
Includes "C" Suffix

REVISION
Form No. 3105248.045 4/99
(Replaces 3105248.037)
©1999 The Dometic Corporation
LaGrange, IN 46761

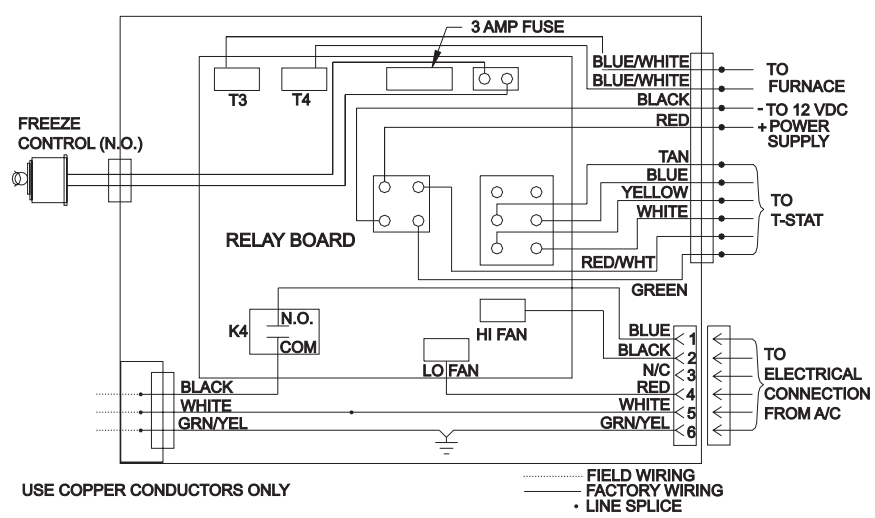
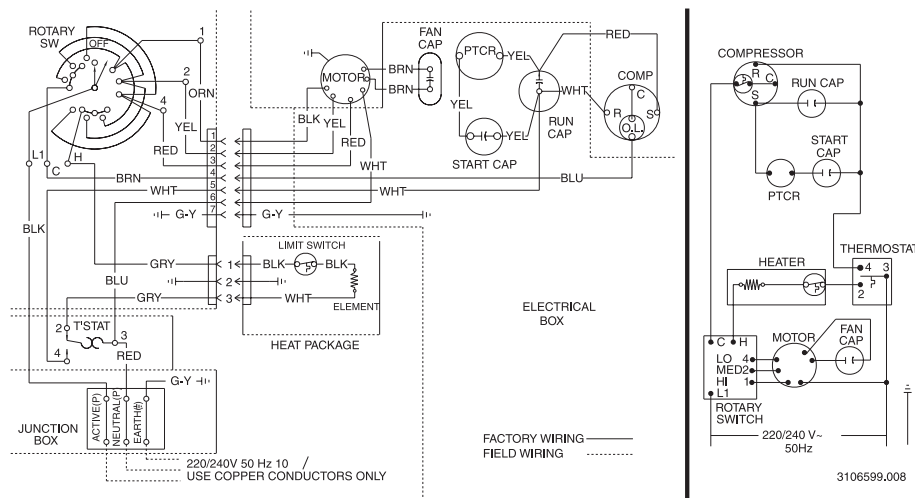
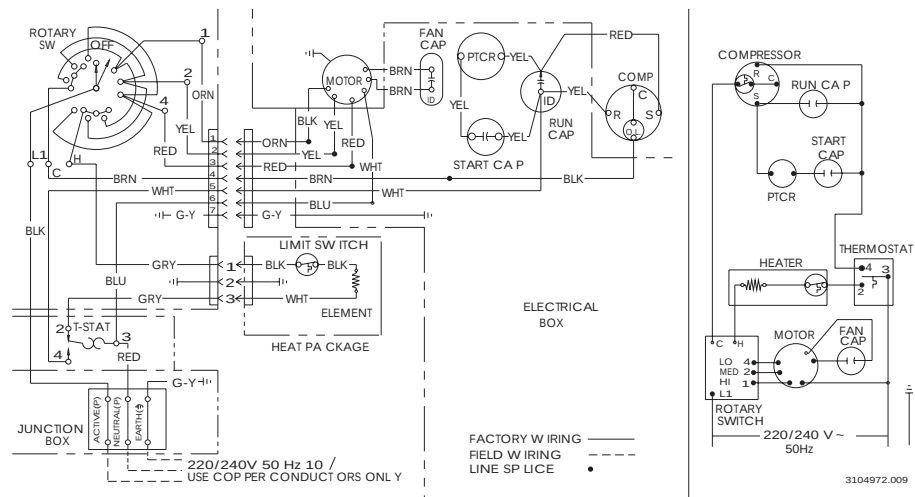
SPECIFICATIONS

ALPHABETICAL INDEX		
	Page	Index #
Customer Options		
Air box	7	A1–D5
Analog Thermostat Kit	9	I1–I5
Heater Kit	8	H1–H10
Roof Mnt. Asm.	5	1-52
Wiring Diagram	3	— —

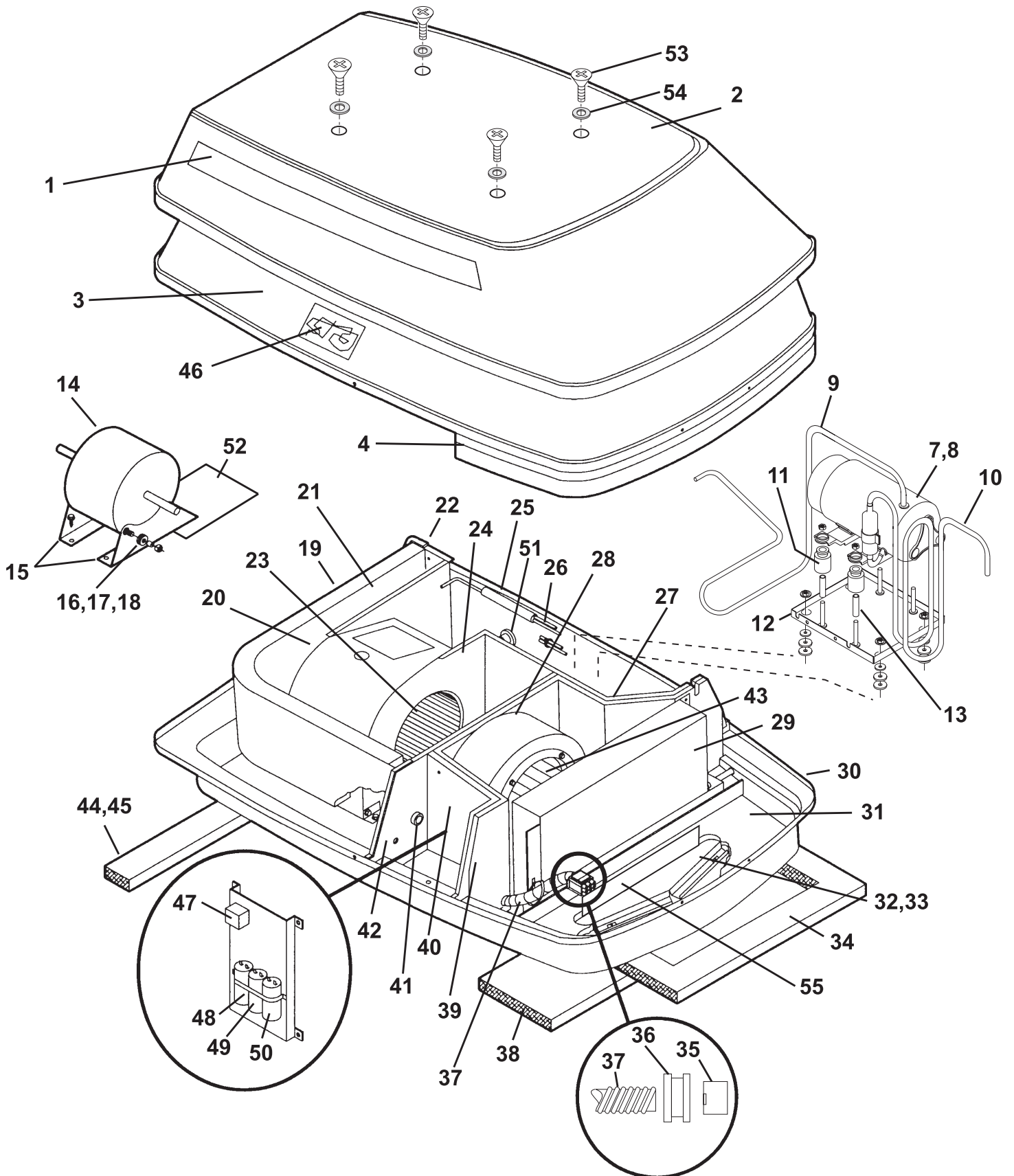
MODEL NO.'s	CAL 136.302
AC input (KW)	3.2
Electrical Rating	220 - 240V, 50 Hz, 1 Phase
Comp FL Amps	5.1
Comp Locked Rotor Amps	26.0
Motor FL Amps	1.6
Motor Locked Rotor Amps	4.4
Heater input (KW)	1.6
Heater Amps	6.3
Wire Size	Up to 8 meters, use 1mm ² Copper
*Minimum Generator size	1 Unit 2 Units
	3.5 KW 5.0 KW

- * 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 DIAGRAMS



AIR CONDITIONER ASSEMBLY



AIR CONDITIONER ASSEMBLY

Index #	Description	CAL 136.302 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 (not shown)	3100373.004
6	Insulation, slug (not shown)	3100287.014
7	Compressor Asm. (Sanyo 80609045)	3102790.007
8	Protector, overload	3100250.251
9	Line, discharge	3107071.007
10	Suction, line	3105017.002
11	Grommet, comp. (4 req.)	3100238.181
12	Plate, weld comp.	3104988.005
13	Sleeve, comp. (upper) 4 req.	3100239.072
14	Motor, blower CAL 220V-50 Hz	3106068.012
15	Bracket, motor mtg. (2 req.)	3100258.007
16	Grommet, motor mtg. (4 req.)	3100230.022
17	Space, motor mtg. (4 req.)	308046.002
18	Nut & lock washer (4 req.)	311260.003
19	Coil, condenser	3101467.003
20	Blower, scroll	3100260.003
21	Blower, side rear	3100261.001
22	Plate, close off	3100256.001
23	Wheel, blower	3100386.006
24	Blower, side front	3100259.005
25	Dryer, filter	3103882.001
26	Tubes, capillary (2 req.)	3100245.392
27	Bulkhead, compressor	3100255.037
28	Blower, housing evap.	3100300.007
29	Coil, evaporator	3100272.008
30	Pan, base modified	3104729.003
31	Pan, drain	3100267.008
32	Bracket, mtg.	3100297.005
33	Nut, w/clip (3 req.)	3100280.027
34	Gasket, mtg. (14 x 14)	3100247.000
35	Plug, male (9-pole)	3106625.027
36	Strain, relief (2 req.)	3100486.020
37	Sleeving, wire	318087.009
38	Housing, insulation	3100294.002
39	Bulkhead, insulation	3100266.000
40	Bulkhead, elec. box	3102532.029
41	Strain, relief	302994.011
42	Bulkhead, evaporator	3100254.055
43	Wheel, evaporator	3100385.008
44	Gasket (1.5 x 16) 2 req.	3100286.016
45	Gasket (1.5 x 10)	3100286.032
46	Decal, field wiring	3106599.008
47	Relay, PTCR	3100876.006
48	Capacitor (Run)	3100248.396
49	Capacitor (Start)	3100236.169
50	Capacitor (Fan)	3100248.222
51	Bushing, snap in	301028.037
52	Plate, motor mtg.	3104987.007
53	Screw, shroud (4 req.)	313685.005
54	Washer, shroud (4 req.)	309513.023
55	Shield, Heat	3104571.017

Note 1: For Shell White shroud use Part No. 3108707.302
For Polar White shroud use Part No. 3108707.310

Customer Option

Box Asm., Complete Air - Shell White	3100292.063
Box Asm., Complete Air - Polar White	3100292.121
Kit, Analog Thermostat	3108255.005
Kit, Heat	3104794.007
Duct Extension	318556.000
Bolt Kit, 6"	3100895.006



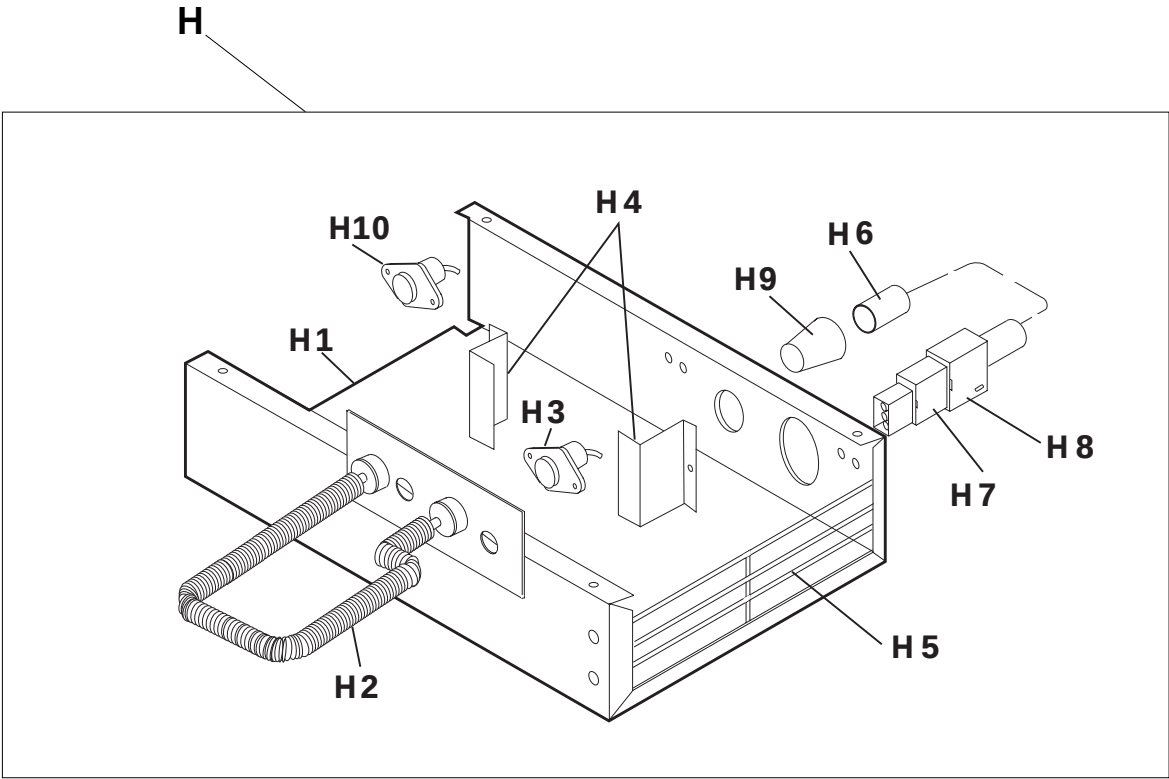
CUSTOMER OPTION – REQUIRED

COMPLETE AIR BOX COMPONENTS A-H

Index #	Description	CAL 136.302	
A-H	Box assembly, complete - Shell White	3100292.063	-----
	Box assembly, complete - Polar White	-----	3100292.121
A	(Includes A1-A18)		
	Template assembly (ceiling)	318716.012	318716.012
A1	Template (only)	3100265.028	3100265.028
A2	Insulation (template)	3107133.005	3107133.005
A3	Duct extension (lower)	3100342.017	3100342.017
A4	Sleeving, wire	318087.007	318087.007
A5	Strain relief (2 req.)	302994.017	302994.017
A6	Plug, female (3-pole)	3106624.004	3106624.004
A7	Thermostat and switch box (2 req.)	3100275.001	3100275.001
A8	Box, cover (2 req.)	3100278.013	3100278.013
A9	Box, back (LH)	3100299.019	3100299.019
A10	Box, back (RH)	3100279.011	3100279.011
A11	Box, front (LH)	3105271.005	3105271.005
A12	Box, front (RH)	3100277.031	3100277.031
A13	Plug, female (9-pole)	3106624.020	3106624.020
A14	Switch, rotary	3100488.000	3100488.000
A15	Thermostat	3100952.005	3100952.005
A16	Decal, wiring (not shown)	3106599.008	3106599.008
A17	Box, junction	3100231.012	3100231.012
A18	Block, terminal	3102249.004	3102249.004
B	Duct extension (upper)	3100262.009	3100262.009
C	(Includes C1-C6)		
	Complete Air Box Asm. - Shell White	3100288.053	-----
	Complete Air Box Asm. - Polar White	-----	3100288.079
C1	Air Box (only)	N/A	N/A
C2	Louvers(2 req.)	3100289.002	3100289.002
C3	Filter, air (2 req.)	3100281.009	3100281.009
C4	Grill, return air (2 req.)	3100270.002	3100270.010
C5	Decal, switch selector (CAL)	3100407.000	3100407.000
C6	Decal, thermostat	3100406.002	3100406.002
D	(Includes D1-D5)		
	Parts Bag Assembly	3108706.049	3108706.049
D1	Bolt, mtg., 1/4-20x6 (3 req.)	3106756.012	3106756.012
D2	Cover, junction	3100232.002	3100232.002
D3	Knob (2 req.)	3106121.001	3106121.001
D4	Screw 10-16 (10 req.)	312096.015	312096.015
D5	Screw 8-32	317224.004	317224.004
H	H1-H10 Complete Heat Kit	See page 8 for individual parts	

HEATER

	Index #	Description	CAL 136.302 Part No.
H	(Includes H1–H10)	Kit, Heat complete (220 V)	3104794.007
	H1	Shield, heat	3100264.005
	H2	Element, heat	Order Complete Kit
	H3	Limit switch	3100962.020
	H4	Bracket, mtg. (2 req.)	3106089.000
	H5	Grill	3100378.003
	H6	Sleeving, wire	318087.004
	H7	Plug, male (3-pole)	3106625.001
	H8	Strain relief (2 req.)	3100486.012
	H9	Strain relief	302994.011
	H10	Switch, manual limit	3100962.012

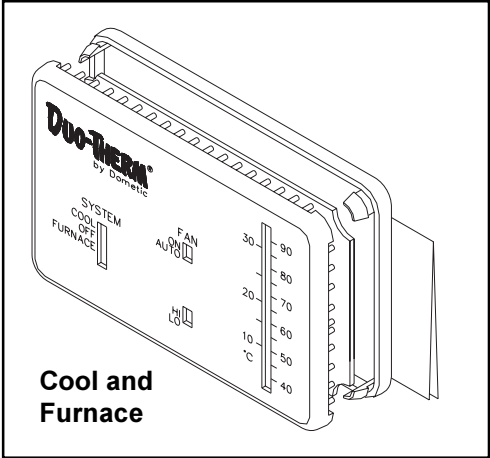


CUSTOMER OPTION - Not Required

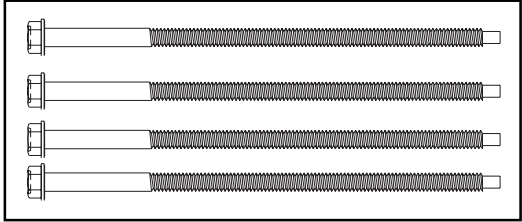
Duct Extension (not shown)	318556.000
Bolt Kit (not shown)	3100895.006

I 3108255.005 ANALOG THERMOSTAT KIT (I1–I5)

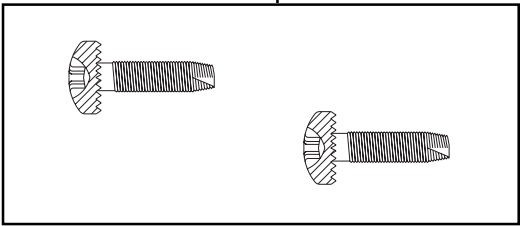
I1



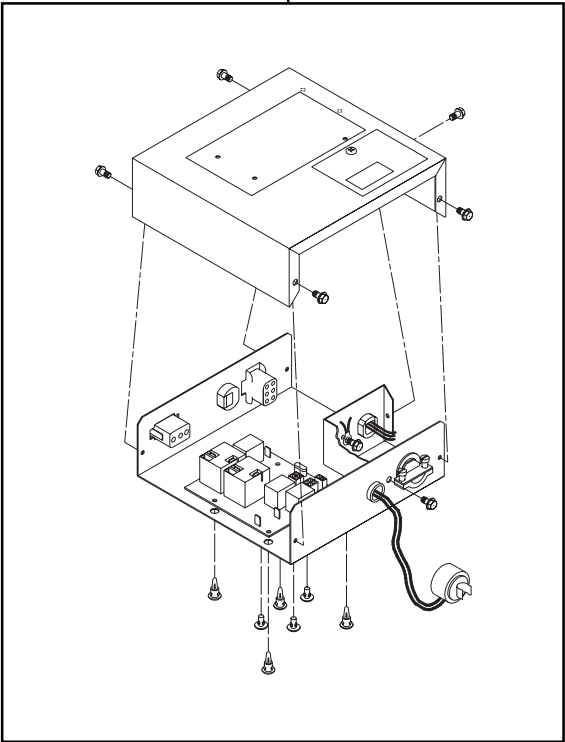
I2



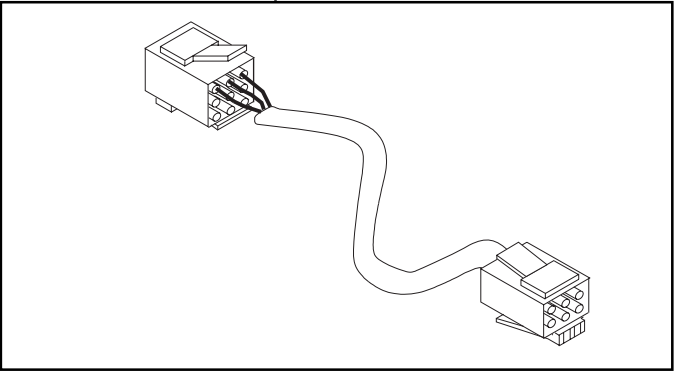
I3



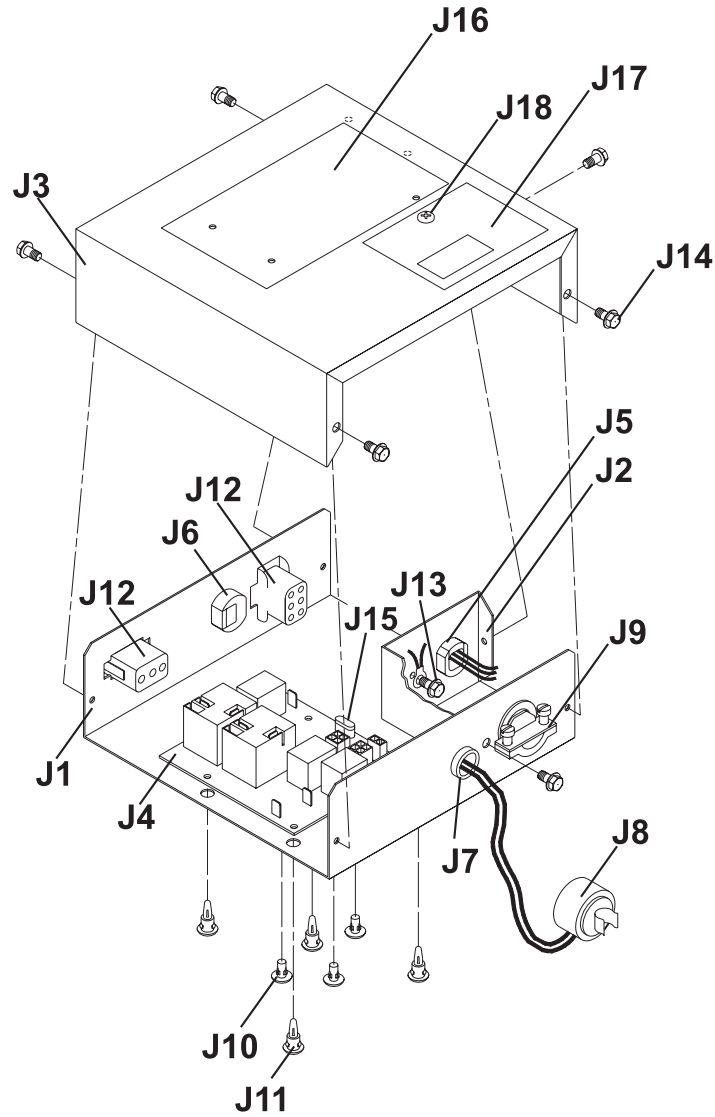
I4



I5



Index #	Description	Part No.
I	Thermostat Kit, Analog	3108255.005
I1	Thermostat, Analog	3106995.032
I2	Screw, M1/4-20 x 8" (4 req.)	3106756.020
I3	Screw, 10-24 x .50" (2 req.)	312194.002
I4	Relay Board Kit (See Page 4 for A1-A18)	3106997.004
I5	Cable, Adapter	3108217.005



Kit, Board Relay

Item No.

J

Description	Part No.
Relay, Board kit	3106997.004
J1 Box, relay	3107153.003
J2 Box, junction	3106497.005
J3 Cover, A/C control	3106499.001
J4 Board, relay	3106996.022
J5 Relief, strain	302994.001
J6 Relief, strain	302994.006
J7 Bushing, snap-in	301028.042
J8 Switch, low temperature	3106480.001
J9 Connector, cable	20010.000
J10 Support, PC board	3101623.019
J11 Stand-off, PC board	3101624.017
J12 Connector asm.	3107155.008
J13 Screw, T-8-32 x .38	312237.012
J14 Screw, T-8-32 x .38	307987.007
J15 Element, fuse 3 amp	3106592.003
J16 Decal, wiring	3107750.006
J17 Cover, junction	3106498.003
J18 Screw, T-10-24 x .50	312194.002