

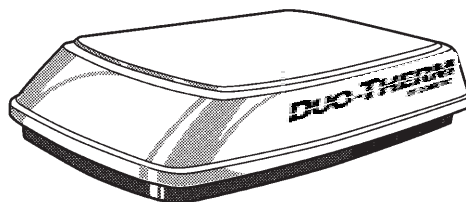


WHEN ORDERING SPARE PARTS, ALWAYS STATE:
MODEL NO. - PRODUCT NO. - QUANTITY -
PART NUMBER - DESCRIPTION
FOR ELECTRIC DETAILS ALSO:
VOLTAGE - WATTAGE

MODELS

620412.421 & 620415.421

Roof-Top Air Conditioner



USA
SERVICE OFFICE
The Dometic Corp.
509 So. Poplar St.
LaGrange, IN 46761

CANADA
Dometic Dist.
866 Lings Dr.
Cambridge, Ontario
CANADA N3H 2N7

**For Service Center
Assistance Call:**
1-800-544-4881

PARTS LIST

MODELS 620412.421

Product No. 991721732

620415.421

Product No. 991721730
Includes Suffix C & D

[illegible]

SPECIFICATIONS

ALPHABETICAL INDEX

	Page	Index #
Customer Options	3	
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MODEL NO.	620415.421	620412.421
Nominal Capacity (BTU/HR)	13,500	11,000
Electrical Rating	115 VAC, 60 Hz., 1 PH.	
Compressor Rated Load Amps	11.5	10.7
Fan Motor Rated Load Amps	3.1	3.1
Compressor Locked Rotor Amps	50.0	50.0
Fan Motor Locked Rotor Amps	8.8	8.8
SCFM - High Speed Max./Min.	335/250	
Refrigerant (R22) oz.	17.0	16.0
Minimum Wire Size ** (AC ckt.)	12 AWG Copper up to 24 ft.	
AC Circuit Protection (User Supplied)	20 Amp Time Delay Fuse or HACR Circuit Breaker	
DC Circuit Protection (User Supplied)	Installation must comply with all National, State, Providence and/or Local Electrical Codes	
Installed Weight (Pounds)	102	101
Minimum Generator 1 Unit	3.5 KW	2.5 KW
Size ** 2 Units	5.0 KW	4.0 KW

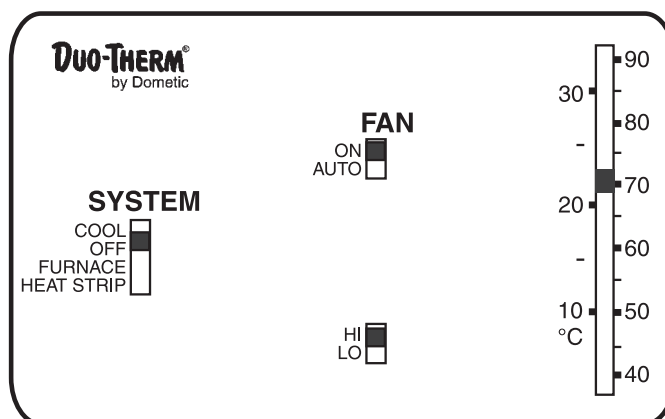
* For distances over 24 ft. consult the National Electrical Code.

** 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 must be considered. Also keep in mind generators lose power at high altitudes and from lack of maintenance.

CUSTOMER OPTIONS - Required

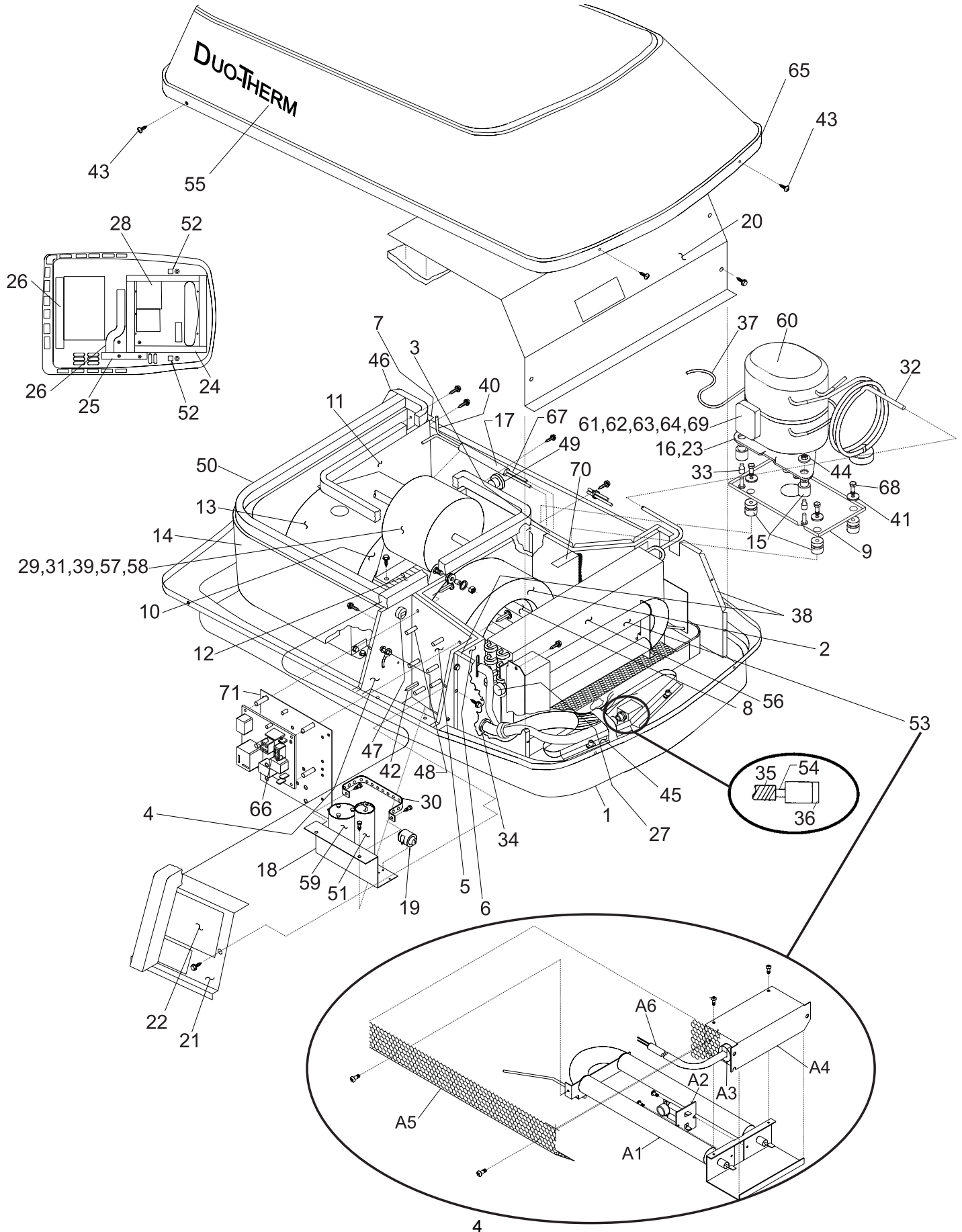
Index #	Description	630015.303
1	Thermostat, cool	3106995.065 See Page 3
2	Sensor kit, remote	3106486.008 See Page 6
3	Asm., complete	3106615.002 See Page 6
4	Asm., complete	3106615.010 See Page 6
5	Cover kit	3105007.003 See Page 7
6	Cover kit	3105007.011 See Page 7
7	Cover kit	3105007.029 See Page 7
8	Cover kit, Quick Cool	3105935.005 See Page 7
9	Cover kit, Quick Cool	3105935.013 See Page 7
10	Cover kit, bolt	3107180.006 See Page 7

CUSTOMER OPTIONS - Required



3106995.065 Thermostat, Cool-Furn-Heat Strip

ROOF MOUNTED ASSEMBLY



Index #	Description	Part No.		
1	Kit, base pan	3103179.010		
2	Housing, blower	3100300.007		
3	Bulkhead, compressor	3102511.049		
4	Bulkhead, evaporator	3100254.055		
5	Bulkhead, electrical box	3102532.029		
6	Insulation, evaporator bulkhead	3102516.022		
7	Plate, close-off	3106143.005		
8	Wheel, evaporator plastic	3100385.008		
9	Plate, weldment compressor	3102590.043		
10	Blower side, front	3100259.005		
11	Blower side, rear	3100261.001		
12	Wheel, blower	3100386.006		
13	Blower scroll, condenser	3100260.003		
14	Coil asm., condenser	3102449.000		
15	Grommet, compressor (7 req.)	3102324.005		
16	Plate, comp. base	3102593.005		
17	Dryer, filter	3101863.003		
18	Panel, capacitor	3104412.006		
19	Relay, PTCR	3100876.006		
20	Cover, evaporator	3102514.803		
21	Cover, electrical box	3102510.009		
22	Decal, field wiring	3107831.004		
23	Spring, comp. base plate	3102594.003		
24	Gasket, mtg.	3100247.000		
25	Gasket, roof	3100286.032		
26	Gasket, roof 16" x 1.5" (2 req.)	3100286.016		
27	Switch, low temperature	3106480.001		
28	Insulation, housing bottom	3100294.002		
29	Spacer, motor mount (4 req.)	308046.002		
30	Strap, capacitor	317188.000		
31	Grommet, motor (4 req.)	3100230.022		
32	Line, suction	3102563.016		
33	Sleeve (3 req.)	3100239.098		
34	Relief, strain	302994.011		
35	Sleeving, fiberglass	3100394.109		
36	Box, junction	3101316.036		
37	Line, discharge	3102564.006		
38	Plate, evaporator close-off (split and use 1 each side)	3102512.021		
39	Nut, flange #8-32 (4 req.)	306342.003		
40	Line, process	315761.007		
41	Washer, steel (4 req.)	309513.015		
42	Standoff, PCB board (8 req.)	3101624.017		
43	Screw, S 10-16x.75" THCR/Shroud (4 req.)	313685.001		
44	Nut, flange 5/16-18 (3 req.)	306342.002		
45	Bracket weld, front mounting	3105495.018		
46	Tape, foam 1.25" x .75" x .63"	3102669.045		
47	Relief, strain	302994.017		
48	Support, PC board (3 req.)	3101623.019		
49	Bushing, snap-in	301028.037		
50	Tape, foam 1.25" x 1.25" x .33"	3102669.029		
51	Capacitor, start	3100236.219		
52	Block, ethafoam 2" x 2" x .75"	3100587.009		
53	Heater, assy.	3105513.000		
A1	Element, heat	3104567.007		
A2	Switch, auto limit	3104568.005		
A3	Relief, strain	302994.015		
A4	Cover, heater	3104569.011		
A5	Guard, heat element	3104570.001		
A6	Sleeving, fiberglass 3/8"OD x 9"	3100394.117		
54	Relief, strain	302994.015		
55	Decal, shroud (2 req.) See Note 2	3102888.009		
56	Coil, evaporator (620412.421)	3102677.006		
	Coil, evaporator (620415.421)	3104573.005		
57	Motor asm.	3108702.372		
58	Bracket, motor mounting (2 req.)	3106187.002		
59	Capacitor, run	3100248.453		
60	Compressor asm. (620412.421)	3102864.000		
	Compressor asm. (620415.421)	3102863.002		
61	Cover, terminal	3102806.001		
62	Gasket, terminal	3102805.003		
63	Protector, overload	3100250.244		
64	Strap, bail	3102804.006		
65	Shroud, outer	See Note 1		
66	Board, relay	3106996.030		
67	Tube, capillary (2 req.)	3100245.400		
68	Screw 1/4-20 x .75" (4 req.)	312110.024		
69	Spring, overload	3102803.008		
70	Baffle, styrofoam	3107261.004		
71	Plate, adapter mounting	3107965.000		

NOTE 1:

Models ending in .321	3107746.004	Shell White
Models ending in .321C	3107746.012	Polar White
Models ending in .321D	3107746.020	Light Gray

NOTE 2:

Not used on Models with suffix ending in (D)

Customer Option - Required

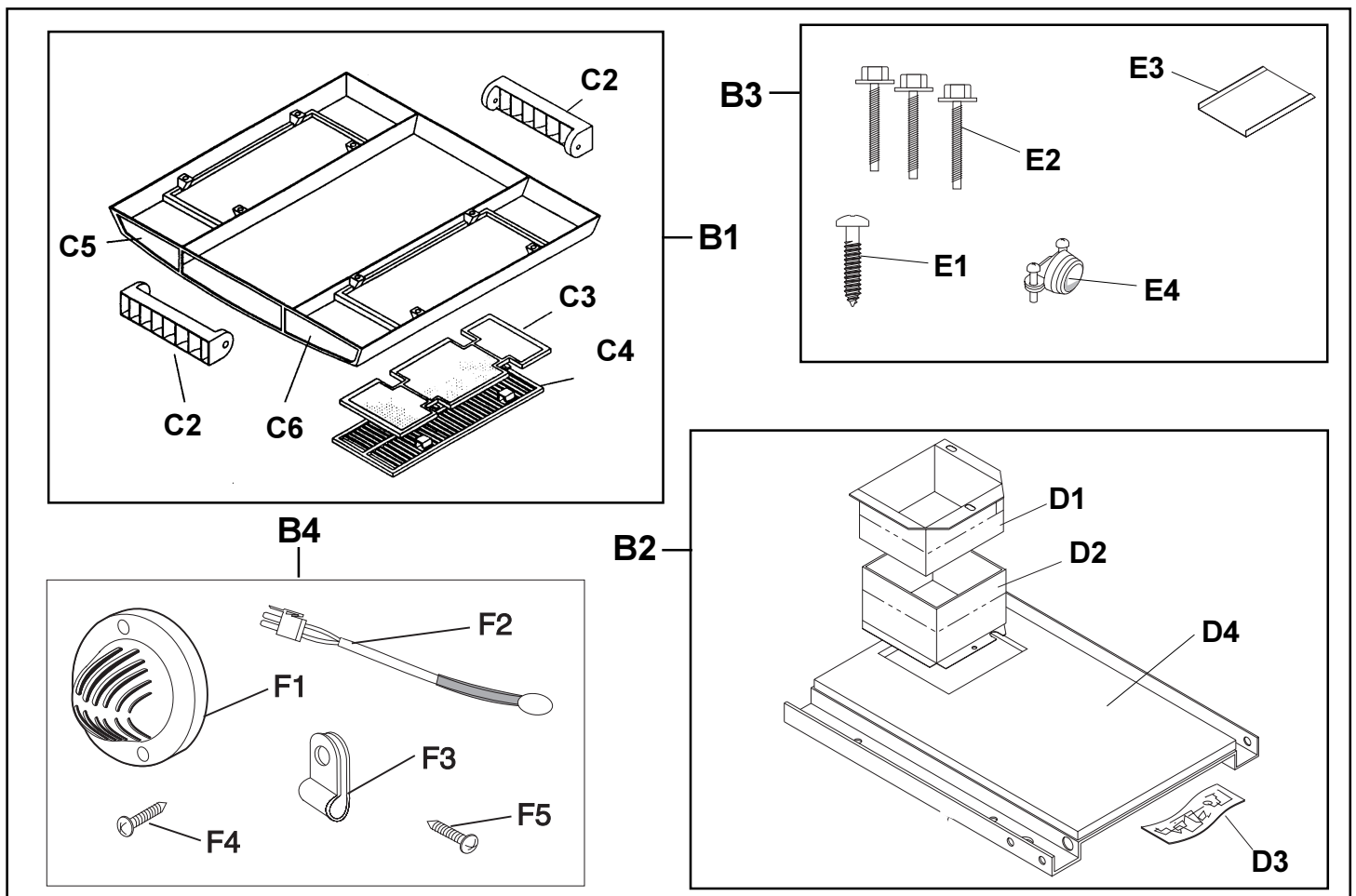
3106615.002 Box, Asm. Complete Air (SW)

B1-B4

3106615.010 Box, Asm. Complete Air (PW)

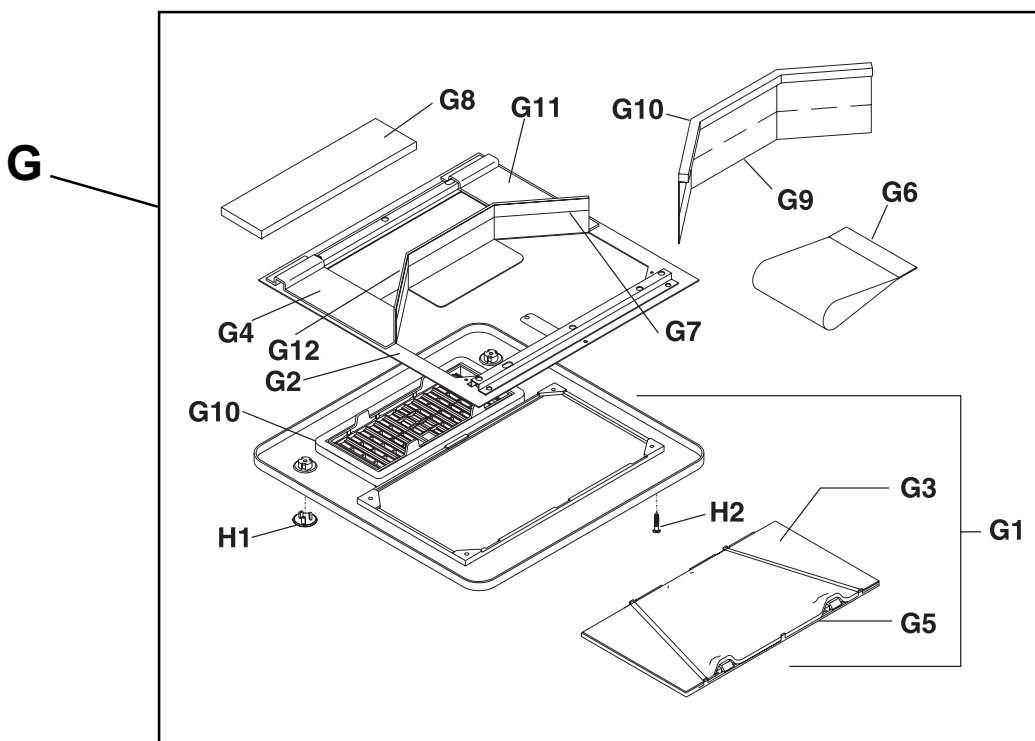
B1-B4

	Description	Part No.	Part No.
		3106615.002	3106615.010
B1	Box, asm. air (C2-C6)	3101390.056	3105908.010
	C2 Louver (2 req.)	3100289.002	3100289.002
	C3 Filter (2 req.)	3100281.009	3100281.009
	C4 Grill, return (2 req.)	3100270P002	3100270.010
	C5 Decal, LH	3103816.009	3103816.009
	C6 Decal, RH	3103815.001	3103815.001
B2	Template, Ceiling (D1-D4)	3105709.038	3105709.038
	D1 Duct, ext. upper	3100262.025	3100262.025
	D2 Duct, ext. lower	3100342.017	3100342.017
	D3 Wiring decal	3107883.005	3107883.005
	D4 Insulation	3107133.005	3107133.005
B3	Bag, misc. parts (E1-E4)	3108701.636	3108701.636
	E1 Screw 10-16 (8 req.)	312096.015	312096.015
	E2 Screw 1/4-20 (3 req.)	3106756.012	3106756.012
	E3 Cover, junction box	3101316.028	3101316.028
	E4 Connector	20010.000	20010.000
Customer Option - Not Required			
B4	Sensor kit, remote F1-F5	3106486.008	3106486.008
	F1 Cap sensor	3106488.012	3106488.012
	F2 Sensor, remote	3106486.008	3106486.008
	F3 Nyloclip	304203.001	304203.001
	F4 Screw, S 4-24 x .62 (2 req.)	312096.005	312096.005
	F5 Screw, S 8-18 x .5	312096.014	312096.014



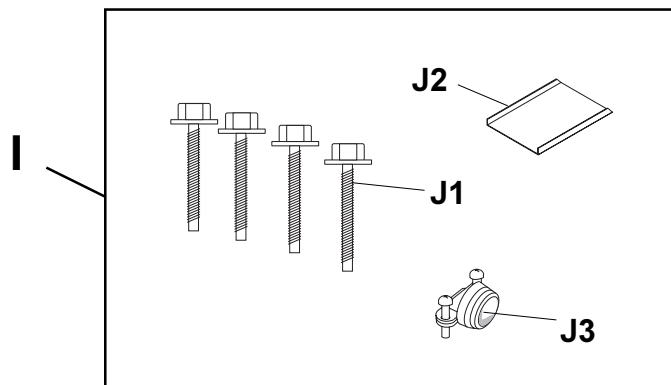
CUSTOMER OPTIONS - Required

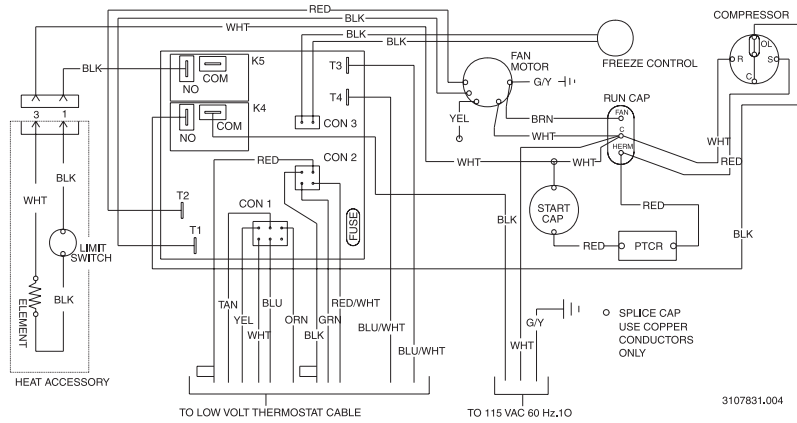
Index #	Description	Part No.	Part No.
G	Kit, Return Air Cover	3105935.005 SW	3105007.003 SW
		3105935.013 PW	3105007.011 PW
			3105007.029 GRY
G1	Cover, asm., return air (SW)	3105958.007	3107767.008
	Cover, asm., return air (PW)	3105958.015	3107867.016
	Cover, asm., return air (GRY)	-----	3107867.024
G2	Template, ceiling only	3105000.016	3105000.008
G3	Filter, air	3105012.003	3105012.003
G4	Insulation, ceiling template	3105946.002	3105010.007
G5	Grill, return air (SW)	3104928.001	3104928.001
	Grille, return air (PW)	3104928.019	3104928.019
	Grille, return air (GRY)	-----	3104928.027
G6	Assembly, parts bag	3108701.381	3108701.381
H1	Plug, hole SW (2 req.)	3104931.005	3104931.005
	Plug, hole PW (2 req.)	3104931.013	3104931.013
	Plug, hole Gray (2 req.)	-----	3104931.021
H2	Screw 8-18 x /50" (6 req.)	312096.014	312096.014
G7	Tape, foam, 16"	3105154.003	3105154.003
G8	Insulation, foam	3105014.009	3105014.009
G9	Divider, slide	3105009.009	3105009.009
G10	Tape, foam	306168.000	306168.000
G11	Insulation, ceiling template, LH	3105946.010	-----
G12	Insulation, foam (cut to size)	3105014.009	3105014.009



CUSTOMER OPTIONS- Required

Index #	Description	Part No.
I	Bolt Cover Kit	3107180.006
J1	Screw 1/4-20 (4 req.)	3106756.020
J2	Cover, junction box	3101316.028
J3	Connector	20010.000





Air Box Wiring Diagram

--- FIELD WIRING
— FACTORY WIRING

BLU/WHT — TO FURNACE
BLU/WHT — TO FURNACE
RED — +12V
BLK — -12V

RED/WHT — 12V+
GRN — GND
YEL — COOL
TAN — FAN
BLU — HIGH FAN
ORN — HS/HP
WHT — FUR

GRN/YEL — GROUND
WHT — NEUTRAL
BLK — LINE FEED

ANALOG THERMOSTAT ONLY

--- FIELD WIRING
— FACTORY WIRING

WHT — OPTIONAL REMOTE SENSOR CABLE

BLK — RJ-11 CABLE TO COMFORT CONTROL
BLK — RJ-11 CABLE TO COMFORT CONTROL

YEL — LOAD SHED
YEL — LOAD SHED
BLU — FURNACE
BLU — FURNACE
BLK — 12V -
RED — 12V +

GRN/YEL — GROUND
WHT — NEUTRAL
BLK — LINE FEED

COMFORT CONTROL ONLY

--- FIELD WIRING
— FACTORY WIRING
- - - - - OPTIONAL

THERMOSTAT DIAGRAM

