



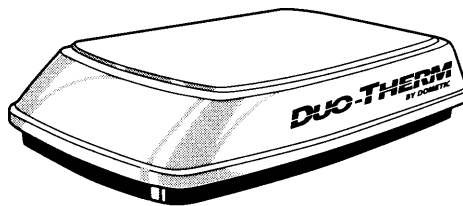
WHEN ORDERING SPARE PARTS, ALWAYS STATE:
MODEL NO. - PRODUCT NO. - QUANTITY -
PART NUMBER - DESCRIPTION
FOR ELECTRIC DETAILS ALSO:
VOLTAGE - WATTAGE

ROOF MOUNTED R.V. AIR CONDITIONER 115 VAC / 60 HZ. WITH ELECTRIC HEAT

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



**USED WITH THE
3106463.007 COMFORT CONTROL CENTER**

PARTS LIST

**MODEL
620315.321**

**Product No. 991721729
Includes Suffix C & D**

REVISION

Form No. 3107656.021 1/98
Replaces (3107656.013)
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LaGrange, IN 46761

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SPECIFICATIONS

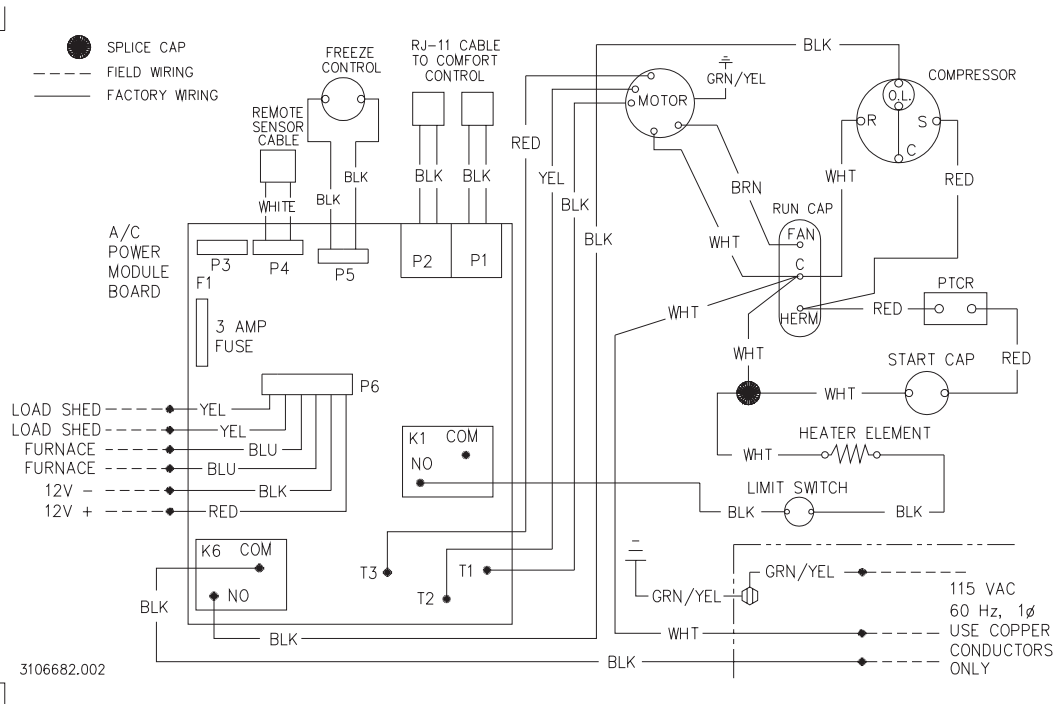
MODEL NUMBER	620315.321
Nominal Capacity (BTU/HR) *	13,500
Electrical Rating	115 VAC, 60 Hz., 1 PH.
Compressor Rated Load Amps	12.4
Fan Motor Rated Load Amps	3.1
Compressor Locked Rotor Amps	60.0
Fan Motor Locked Rotor Amps	8.8
SCFM - High Speed Max./Min.	335/250
Refrigerant (R22) oz.	15.5
Minimum Wire 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
Minimum Generator	1 UNIT 3.5 KW
Size ***	2 UNITS 5.0 KW

* Maximum unit performance achieved at full rated voltage.

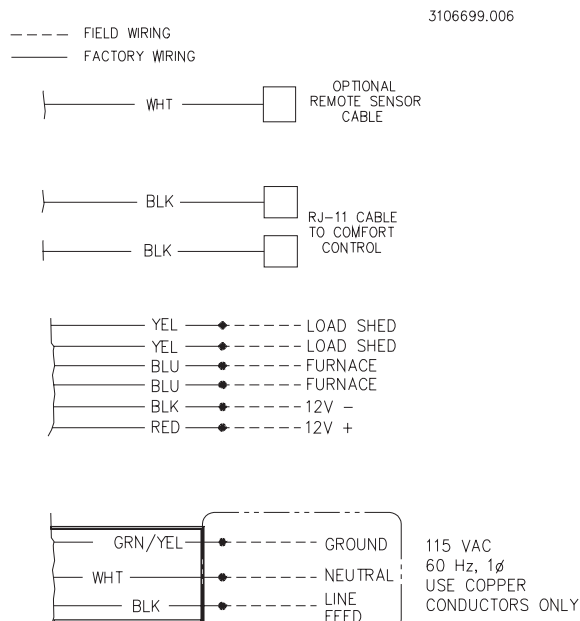
** For lengths over 24 ft., consult the National Electrical Code.

*** The Dometic Corp. 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.

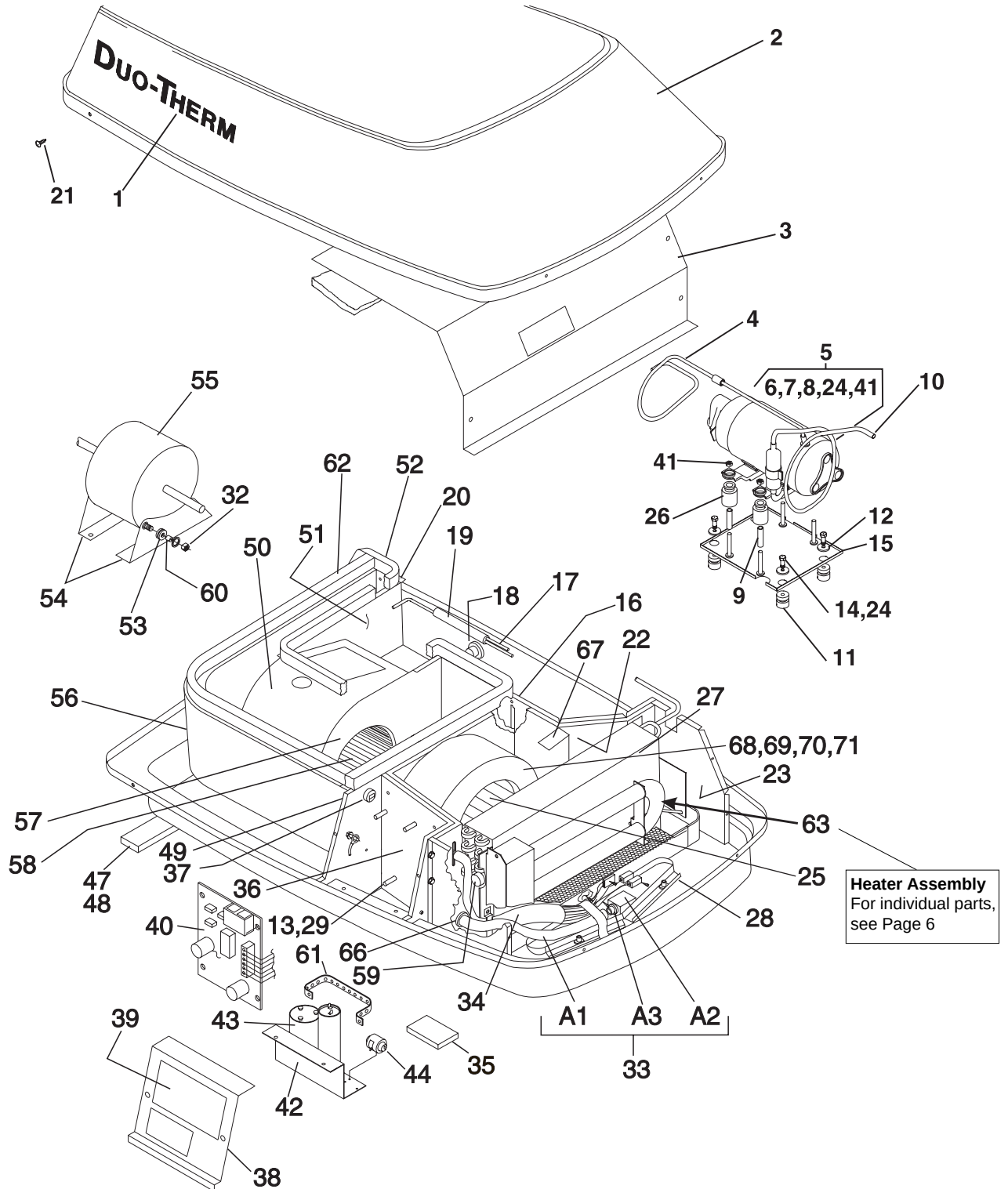
WIRING DIAGRAM FOR 620315.321



WIRING DIAGRAM FOR 3106615.002 & 3106615.010 AIR BOX ASSEMBLY



ROOF MOUNTED ASSEMBLY



Index #	Description	Part No.	
1	Decal, (1) each side (2 req.)	3102888.009	(Not used on "D" Models)
2	Shroud, less decals	See NOTE 1	
3	Evap. cover asm. with insulation	3102514.803	
4	Line discharge	3102847.005	
5	Compressor Asm.	3102984.006	
6	Cover, terminal	3102321.001	
7	Gasket, terminal	3102320.003	
8	Overload	3100250.228	
9	Sleeve, compressor (4 req.)	3100239.072	
10	Line Suction	3102846.007	
11	Grommet mtg. plate (7 req.)	3102324.005	
12	Washer, flat (4 req.)	309513.015	
13	Support, PC Board (6 req.)	3101624.017	
14	Screw, M .25 x 20 x .75 HW (4 req.)	312110.024	
15	Plate, compressor mtg.	3102590.035	
16	Bulkhead, compressor	3102511.049	
17	Capillary tubes (2 req.)	3100245.418	
18	Bushing, snap-in	301028.037	
19	Drier, filter	3103882.001	
20	Plate, close-off	3100256.001	
21	Screw, shroud (4 req.)	313685.001	
22	Insulation, evap. bulkhead	3102516.022	
23	Plate, evap. close-off		
	[Split and use (1) each side]	3102512.021	
24	Sleeve compressor mtg. (4 req.)	3100239.098	
25	Wheel, evaporator (plastic)	3100385.008	
26	Grommet compressor (4 req.)	3100238.181	
27	Coil, evaporator	3104573.005	
28	Bracket, front	3105495.000	
29	Standoff,, PC board (4 req.)	3101624.017	
30	Gasket, mounting 14 x 14	3100247.000	
31	Base pan	3103179.010	
32	Nut, flange motor (4 req.)	306342.003	
33	Asm., cable power	3108703.194	
	A1 Sleeve, fiberglass	3100394.109	
	A2 Box, junction	3101316.036	
	A3 Strain relief	302994.015	
34	Asm., cable controls	3108703.186	
35	Foam block (2 req.)	3100587.009	
36	Bulkhead, elec. box	3102532.045	
37	Relief, strain	302994.017	
38	Cover, elec. box	3102510.009	
39	Decal, field wiring	3106682.002	
40	AC power module	3106482.015	
41	Nut, flange comp. (3 req.)	306342.005	
42	Panel, capacitor	3104412.006	
43	Capacitor, run	3100248.321	
44	PTCR device	3100876.006	
45	Insulation, housing (not shown)	3100294.002	
46	Capacitor, start	3100236.169	
47	Gasket 10" x 1.5"	3100286.032	
48	Gasket 16" x 1.5" (not shown) (2 req.)	3100286.016	
49	Bulkhead, evaporator	3100254.055	
50	Blower scroll	3100260.003	
51	Blower, side/rear	3100261.001	
52	Foam tape, 1-1/4" x 3/4" x 69" (order by inches)	3102669.045	
53	Grommet, motor (4 req.)	3100230.022	
54	Bracket, motor (2 req.) (not shown)	3106187.002	
55	Motor, fan	3108702.372	
56	Coil, condenser	3100992.001	
57	Blower, side/front	3100259.005	
58	Wheel, blower	3100386.006	
59	Switch, low temp	3106480.001	
60	Spacer, motor mnt. (4 req.)	308046.002	
61	Strap, capacitor	317188.000	
62	Foam tape, 1-1/4" x 1-1/4" x 34" order by inches)	3102669.029	
63	Heater asm.	(See page 6, for individual parts)	
66	Strain relief	302994.011	
67	Baffle, Styrofoam	3107261.004 (See note 2)	
68	Blower housing	3100300.007	
69	Insulation, left scroll	3107856.001 (See note 2)	
70	Insulation, right side	3107857.009 (See note 2)	
71	Insulation	3105014.132 (See note 2)	

CUSTOMER OPTION - Required

<u>Component</u>	<u>Description</u>
3106615.002	Box asm., complete
3106615.010	Box asm., complete
3106463.007	Comfort center
3107180.006	Cover kit, bolt
3105007.003	Cover kit, return air
3105007.011	Cover kit, return air
3105007.029	Cover kit, return air
3105935.005	Cover kit, return air
3105935.013	Cover kit, return air
3106776.002	Cover kit, junction box
3107802.005	Duct kit, complete
3107864.005	Rail kit
3106486.008	Sensor kit, remote
3106486.016	Sensor kit, remote

NOTE 1:

Models ending in .321:

Use 3107746.004 Shell White Shroud

Models ending in .321C:

Use 3107746.012 Polar White Shroud

Models ending in .321D:

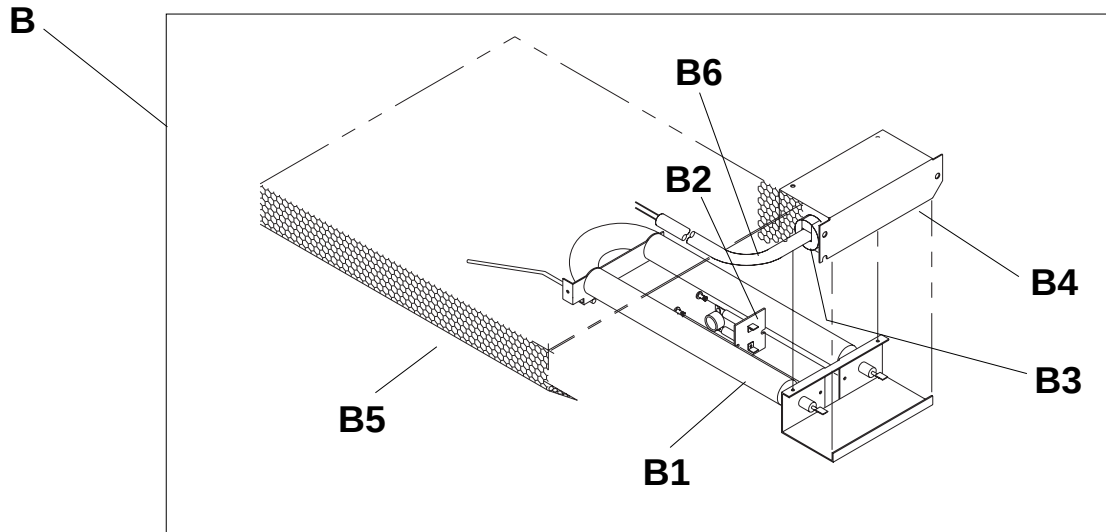
Use 3107746.020 Light Gray Shroud

NOTE 2:

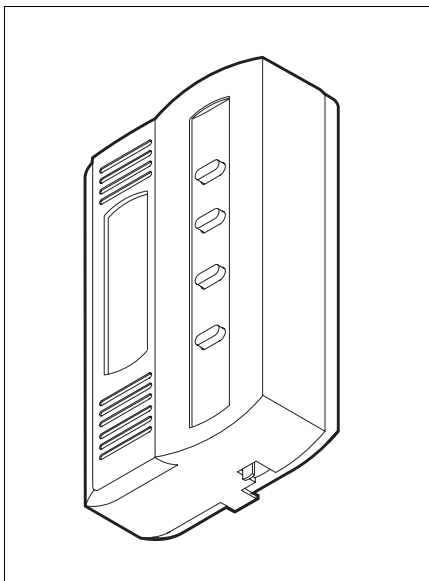
Used on 623015.321C Only

3105513.000 HEATER ASSEMBLY

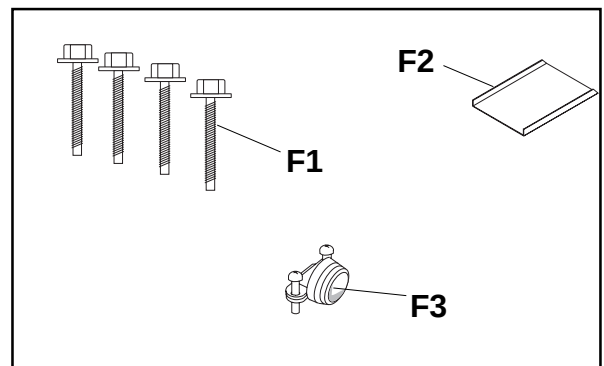
Index #	Description	Part No.
B	Heater Asm (includes B1 - B5)	3105513.000
B1	Element, heater	3104567.007
B2	Switch, auto limit	3104568.005
B3	Strain relief	302994.015
B4	Cover, heater	3104569.011
B5	Guard, heating element	3104570.001
B6	Sleeveing, fiberglass	3100394.117



Customer Option - Required 3106463.007 CENTER, COMFORT CONTROL



Customer Option - Required 3107180.006 COVER BOLT KIT



Index#	Description	Part No.
F1	Bolt, mtg. 1/4-20x8.00 (4 req.)	3106756.020
F2	Cover, box junction	3101316.028
F3	Cable, connector	20010.000

Customer Option - Required

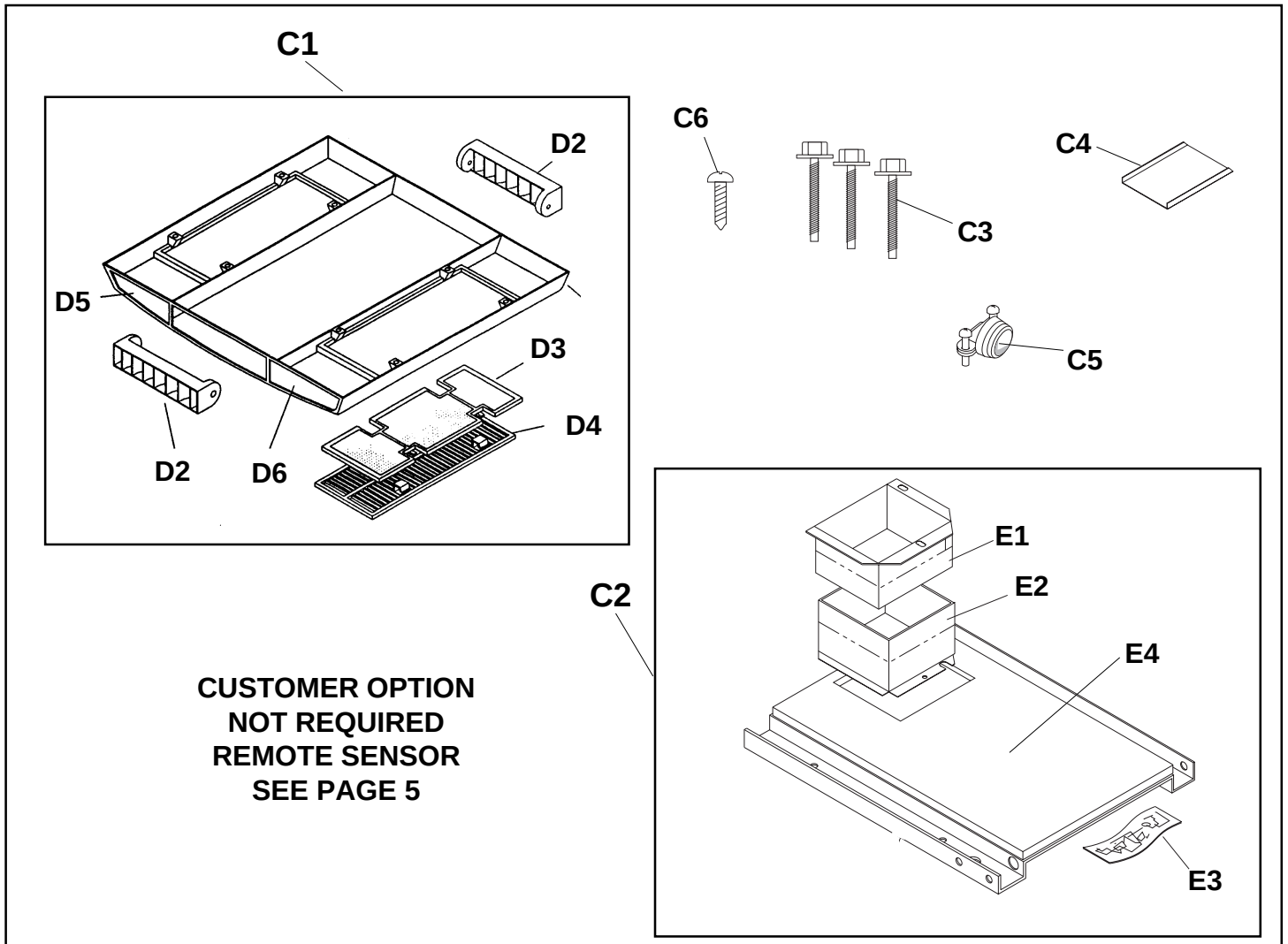
3106615.002 Box, Asm. Complete Air (SW)

C1-C6

3106615.010 Box, Asm. Complete Air (PW)

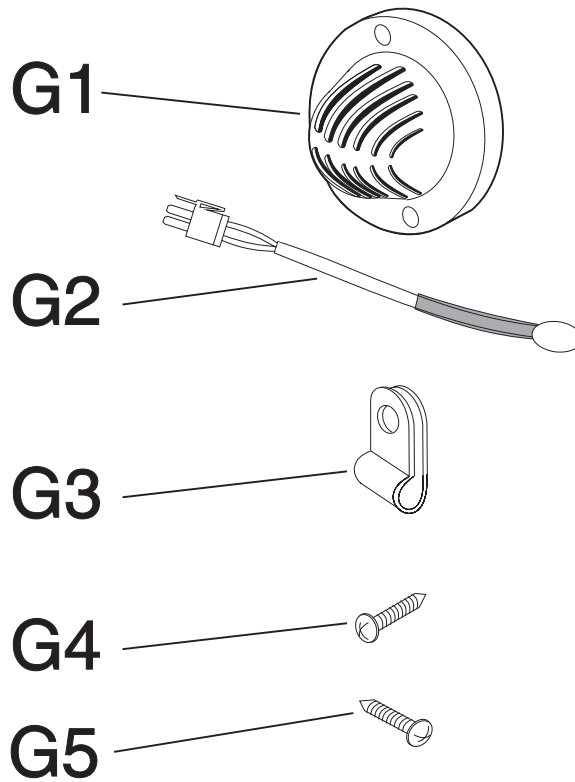
C1-C6

	Description	Part No.	Part No.
		3106615.002	3106615.010
C1	Box, asm. air (D1-D6)	3101390.056	3105908.010
	D2 Louver (2 req.)	3100289.002	3100289.002
	D3 Filter (2 req.)	3100281.009	3100281.009
	D4 Grill, return (2 req.)	3100270.002	3100270.010
	D5 Decal, LH	3103816.009	3103816.009
	D6 Decal, RH	3103815.001	3103815.001
C2	Template, Ceiling (E1-E3)	3105709.038	3105709.038
	E1 Duct, ext. Upper	3100262.025	3100262.025
	E2 Duct, ext. lower	3100342.017	3100342.017
	E3 Wiring decal	3107833.005	3107833.005
	E4 Insulation	3107133.005	3107133.005
C3	Bolt, mtg. 1/4-20 x 8 (3 req.)	3106756.020	3106756.020
C4	Cover, junction box	3101316.028	3101316.028
C5	Cable connector	20010.000	20010.000
C6	Screw, 10-16 x 1/2 (8 req.)	312096.015	312096.015



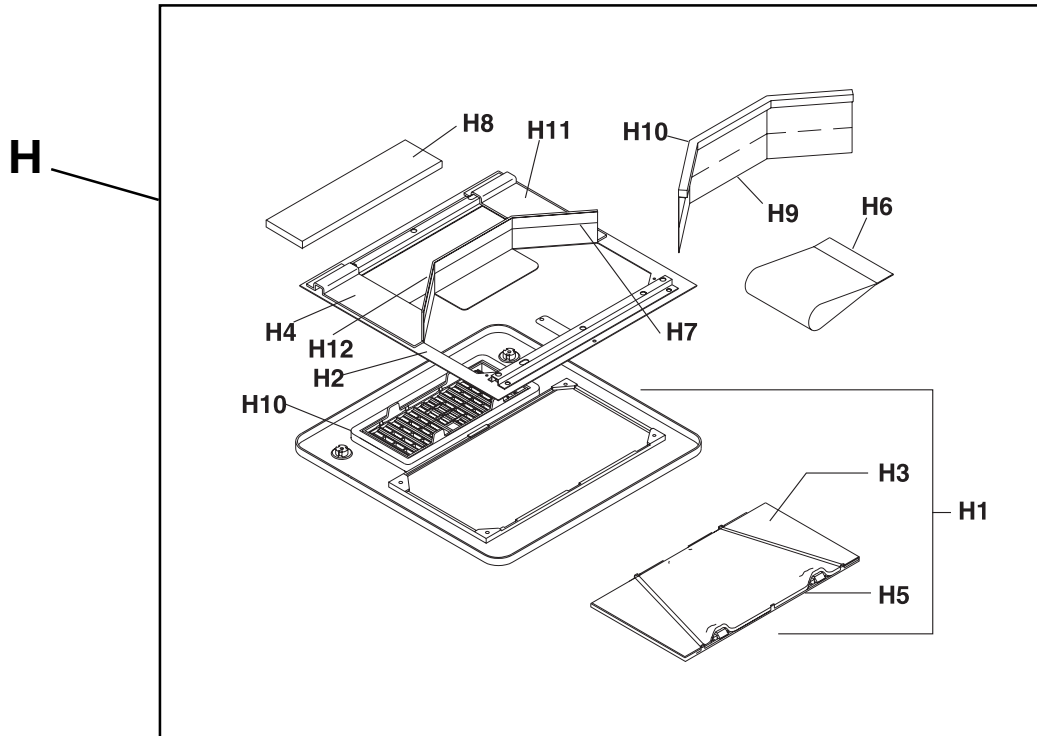
Customer Option - Not Required **3106486.008 & 3106486.016 REMOTE SENSOR (G1-G5)**

Index #	Description	3106486.008 Part No.	3106486.016 Part No.
G1	Cap, sensor	3106488.012	3106488.012
G2	Sensor	3106484.004	3106484.011
G3	Nyloclip	304203.001	304203.001
G4	Screw #4-24 x .62 (2 req.)	312096.005	312096.005
G5	Screw #8-18 x .5	312096.014	312096.014



CUSTOMER OPTIONS (Required)

Index #	Description	Part No.	Part No.
H	Kit, Return Air Cover	3105935.005 SW	3105007.003 SW
		3105935.013 PW	3105007.011 PW
			3105007.029 GRY
H1	Cover, asm., return air (SW)	3105958.007	3107867.008
	Cover, asm., return air (PW)	3105958.015	3107867.016
	Cover, asm., return air (GRY)	-----	3107867.029
H2	Template, ceiling only	3105000.016	3105000.008
H3	Filter, air	3105012.003	3105012.003
H4	Insulation, ceiling template	3105946.002	3105010.007
H5	Grill, return air (SW)	3104928.001	3104928.001
	Grille, return air (PW)	3104928.019	3104928.019
	Grille, return air (GRY)	-----	3104928.027
H6	Assembly, parts bag	3108701.381	3108701.381
H7	Tape, foam, 16"	3105154.003	3105154.003
H8	Insulation, foam	3105014.009	3105014.009
H9	Divider, slide	3105009.009	3105009.009
H10	Tape, foam	306168.000	306168.000
H11	Insulation, ceiling template, LH	3105946.010	-----
H12	Insulation, foam	3105014.017	3105014.017



Customer Options - Required

Index#	Description	Part No.
J	Cover Kit, Junction	3106776.002
J1	Cover, junction box	3101316.028
J2	Connector	20010.000

