



WHEN ORDERING SPARE PARTS, ALWAYS STATE:

MODEL NO. - PRODUCT NO. - QUANTITY -

PART NUMBER - DESCRIPTION

FOR ELECTRIC DETAILS ALSO:

VOLTAGE - WATTAGE

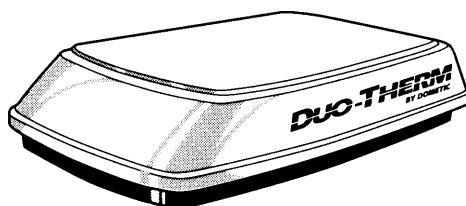
ROOF MOUNTED R.V. AIR CONDITIONER 115 VAC / 60 HZ. WITH ELECTRIC HEAT

USA

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

CANADA

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



PARTS LIST

MODEL

620215.421

Product No. 991721725

Includes Suffix C & D

[illegible]

SPECIFICATIONS

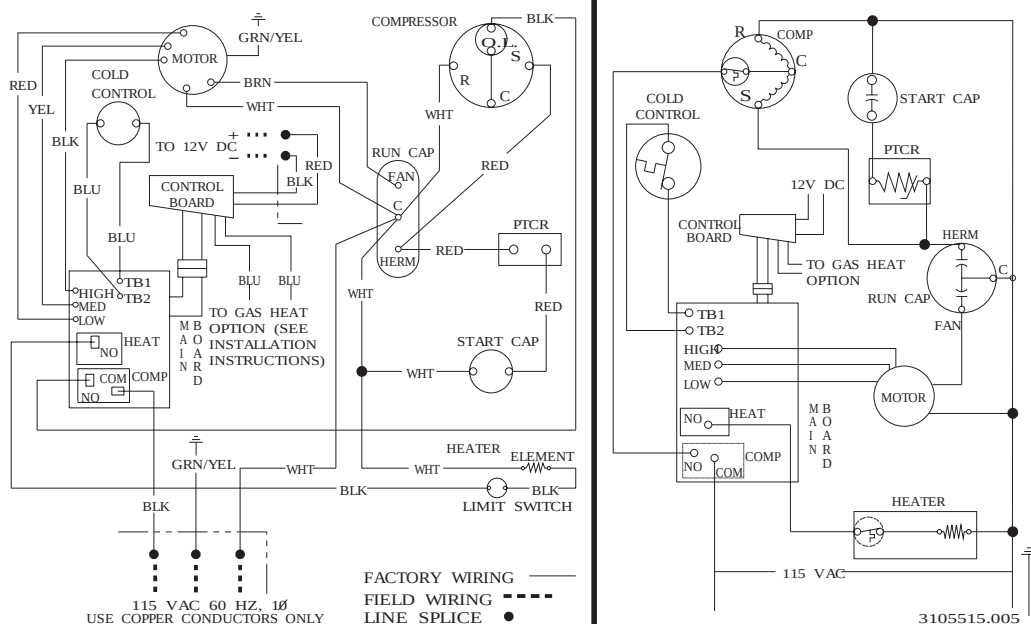
MODEL NO.	620215.421
Nominal Capacity (BTU/HR)	13,500
Electrical Rating	115 VAC, 60 Hz., 1 ph.
Compressor Rated Load Amps	11.5
Fan Motor Rated Load Amps	3.1
Compressor Locked Rotor Amps	50.0
Fan Motor Locked Rotor Amps	8.8
Power, Cooling (KW)	1.7
Power, Heating (KW)	1.8
SCFM-High Speed Max./Min.	335/250
Total Static - Min./Max.	.12 / .65" W.C.
Refrigerant (R22) Oz.	17.0
Minimum Wire Size *	12 AWG Copper Up to 24 ft.
Circuit Protection	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)	108
Minimum Generator 1 Unit	3.5 KW
Size ** 2 Units	5.0 KW
Blower Operation / Cooling Mode	Cycles or continuous
Compressor Operation	Cycles, Delay on Start

ALPHABETICAL INDEX

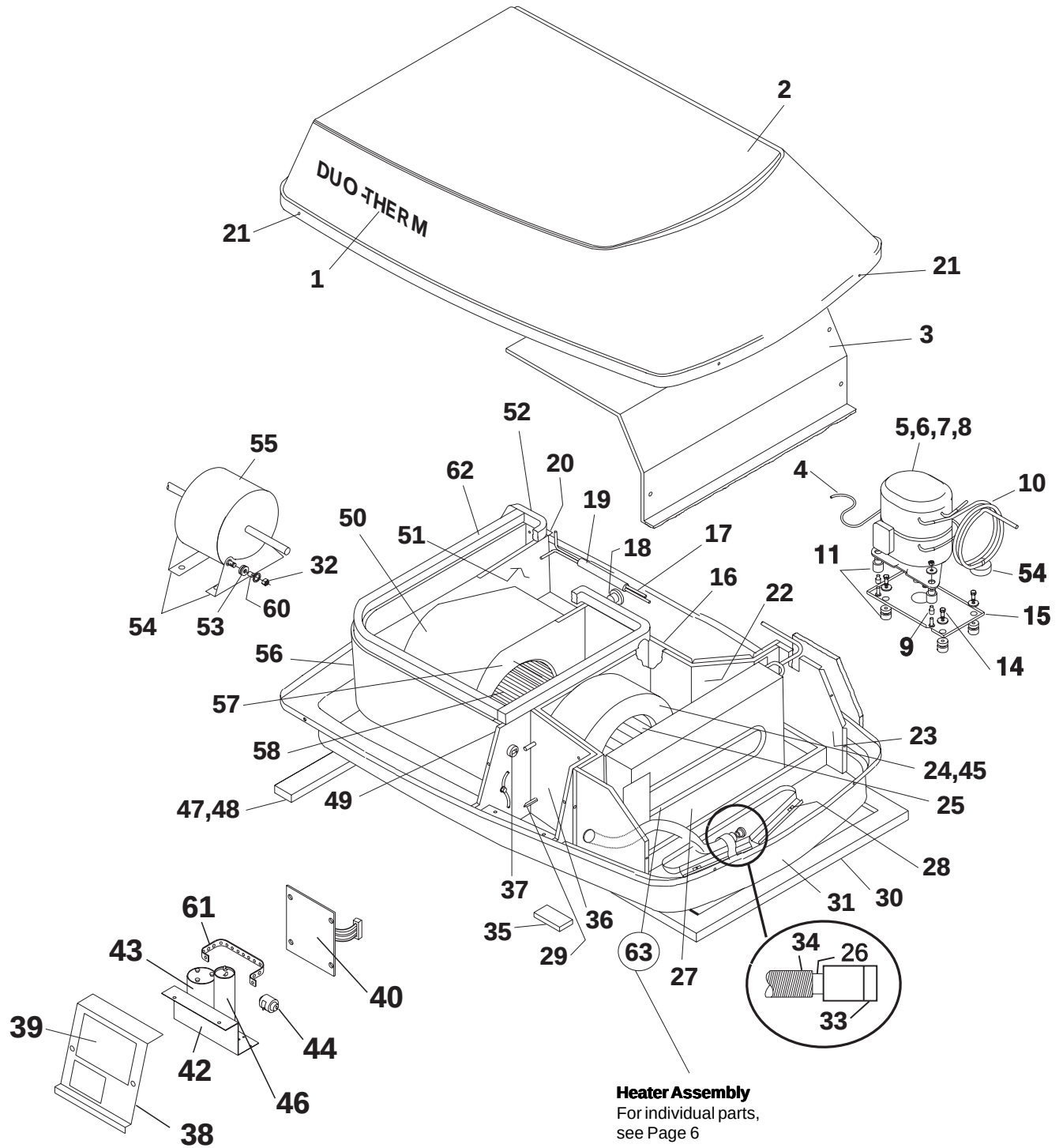
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Cover Assembly	8	E1-E7
Heater Assembly	6	A1-A5
Roof Mounted Assembly	5	1-63
Thermostat Assembly	7	D
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Unit	3	
Air Box Assembly	9	

- * 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 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 UNIT



ROOF MOUNTED ASSEMBLY

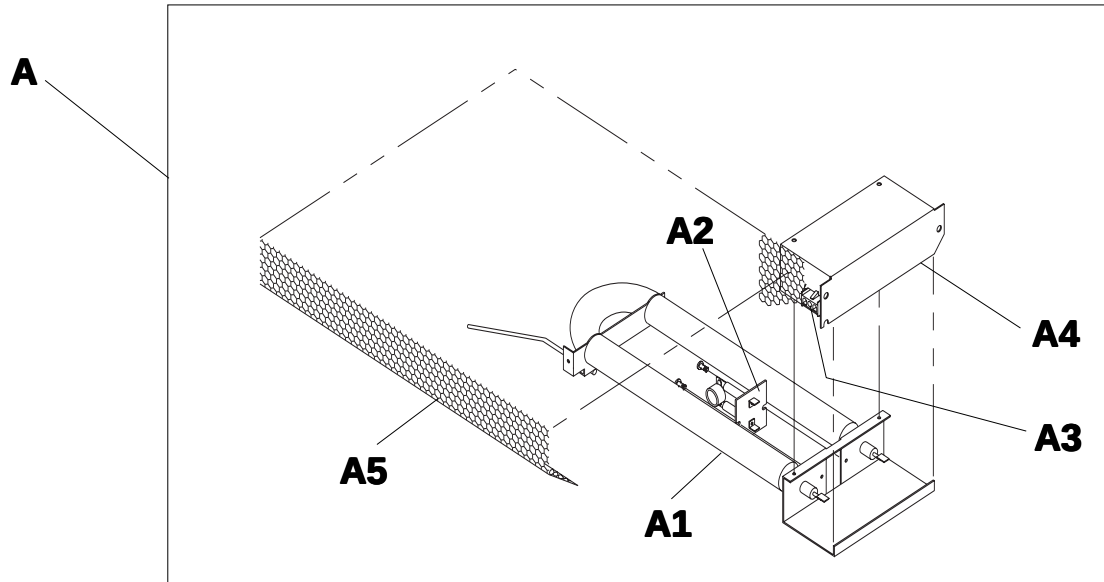


Index #	Description	Part No.	
1	Decal, (1) each side (2 req.)	3102888.009	(Not used on "D" Models)
2	Shroud, less decals	See NOTE 1	
3	Evap. cover asm. with insulation	3102514.803	
4	Line discharge	3102564.006	
5	Compressor Asm. (TecumsehAK8513E)	3102863.002	
6	Cover, terminal	3102806.001	
7	Gasket, terminal	3102805.003	
8	Overload	3100250.244	
9	Sleeve, compressor (3 req.)	3100239.098	
10	Line Suction	3102563.016	
11	Grommet mtg. plate (7 req.)	3102324.005	
12	Washer, flat (4 req.)	309513.015	
14	Screw, M .25 x 20 x .75 HW (4 req.)	312110.024	
15	Plate, compressor mtg.	3102590.043	
16	Bulkhead, compressor	3102511.049	
17	Capillary tubes (2 req.)	3100245.400	
18	Bushing, snap-in	301028.037	
19	Drier, filter	3101863.003	
20	Plate, close-off	3100256.001	
21	Screw, shroud (4 req.)	313685.002	
22	Insulation, evap. bulkhead	3102516.022	
23	Plate, evap. close-off		
	[Split and use (1) each side]	3102512.021	
24	Blower housing	3100300.007	
25	Wheel, evaporator (plastic)	3100385.008	
26	Connector, conduit	302994.015	
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	Box, junction	3101316.036	
34	Sleeving, fiberglass	3100394.109	
35	Foam block (2 req.)	3100587.009	
36	Bulkhead, elec. box	3102532.029	
37	Relief, strain	302994.017	
38	Cover, elec. box	3102510.009	
39	Decal, field wiring	3105515.005	
40	Board, main	3104855.006	
41	Nut, flange comp. (3 req.)	306342.002	
42	Panel, capacitor	3104412.006	
43	Capacitor, run	3100248.529	
44	PTCR device	3100876.006	
45	Insulation, housing (not shown)	3100294.002	
46	Capacitor, start	3100236.219	
47	Gasket 10" x 1.5"	3100286.032	
48	Gasket 16" x 1.5" (not shown)	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.)	3106187.002	
55	Motor, fan	3108702.372	
56	Coil, condenser	3101892.010	
57	Blower, side/front	3100259.005	
58	Wheel, blower	3100386.006	
59	Switch, low temp	3104411.008	
60	Spacer, motor mnt. (4 req.)	308046.000	
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, A)	
65	Customer Option	(See page s 6,7,8,9)	

NOTE 1:	Models ending in .421	Use 3102515.008	Shell White
	Models ending in .421C	Use 3102515.024	Polar White
	Models ending in .421D	Use 3102515.032	Light Gray

HEATER ASSEMBLY

Index #	Description	Part No.
A	Heater Asm (includes A1 - A5)	3105513.000
A1	Element, heater	3104567.007
A2	Switch, auto limit	3104568.005
A3	Strain relief	302994.015
A4	Cover, heater	3104569.011
A5	Guard, heating element	3104570.001

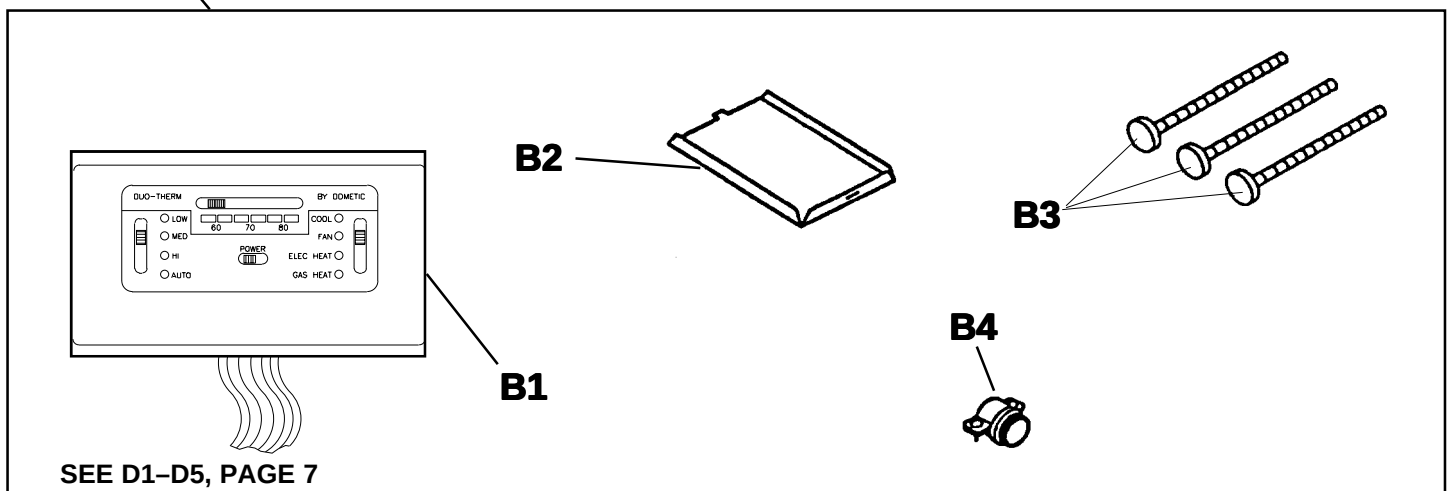


Customer Option - Not Required DUCTED THERMOSTAT KIT

B Thermostat kit, ducted	3105712.008	3105712.015
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Index #	Description	Part #	Part #
B1	Thermostat, complete	See pg. 7 D	See pg. 7 D
B2	Cover, junction box	3101316.028	3101316.028
B3	Bolt, mounting 1/4-20 (3 req.)	3100375.066	3100375.066
B4	Connector, cable	20010.000	20010.000
B5	Customer Option, Cable	See pg. 7 C	See pg. 7 C

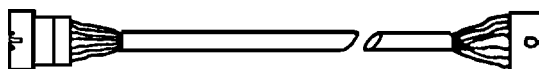
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CUSTOMER OPTIONS — REQUIRED USED WITH 3105712.008 & 3105712.015

C CABLE ASSEMBLY, THERMOSTAT

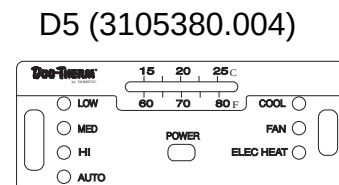
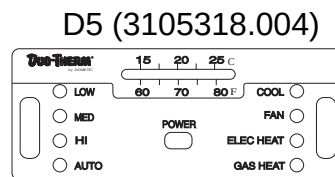
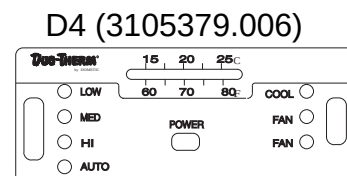
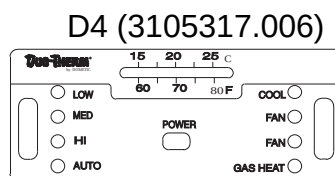
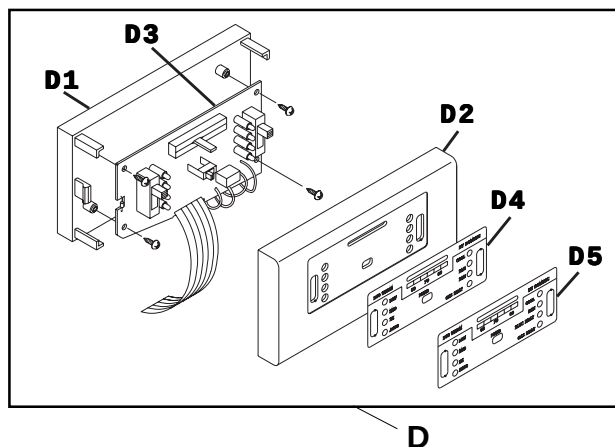
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|----|--|-------------|
| C1 | 15 ft. Cable
w/ 1 male and 1 female connector | 3101632.010 |
| C2 | 25 ft. Cable
w/ 1 male and 1 female connector | 3101632.028 |
| C3 | 30 ft. Cable
w/ 1 male and 1 female connector | 3101632.036 |



C1 - C3

THERMOSTAT ASSEMBLIES

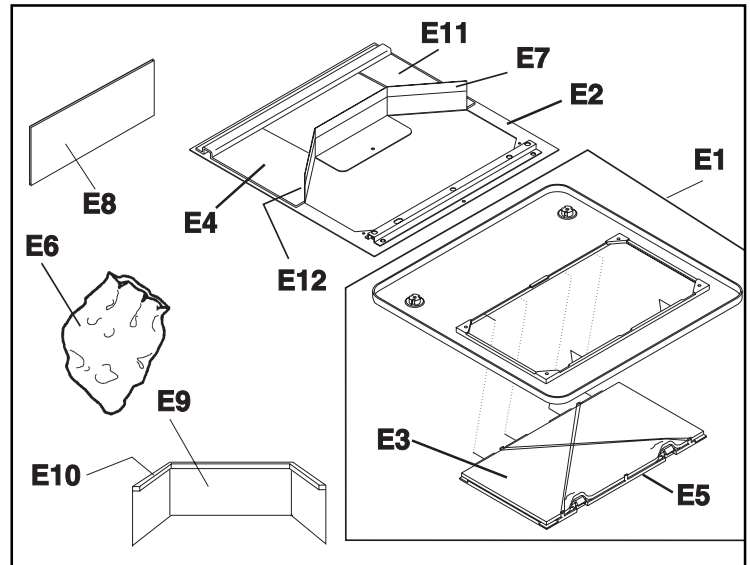
Item	Description	3105712.008 Part No.	3105712.015 Part No.
D	Thermostat, complete D1-D5(see NOTE)	3105325.009	3105375.004
D1	Base, thermostat	3103808.014	3103808.014
D2	Cover, thermostat	3103809.020	3103809.038
D3	Board, control	3108701.339	3108701.339
D4	Decal, T-stat	3105317.006	3105379.006
D5	Decal, T-stat	3105318.004	3105380.004



NOTE: Thermostat Assembly is not normally required. Order individual parts.

CUSTOMER OPTIONS — Return Air Asm. USED WITH 3105712.008 & 3105712.015

Item	Description	Part No.	Part No.
E	Cover Asm. Complete SW	E1-E7 3105007.003	3105935.005
	Cover Asm. Complete PW	E1-E7 3105007.011	3105935.013
	Cover Asm. Complete Gry	E1-E7 3105007.029	— — — —
E1	Grill asm., (SW)	3105148.005	3105958.007
	Grill asm., (PW)	3105148.013	3105958.015
	Grill asm., (GRY)	3105148.021	— — — —
E2	Template, ceiling	3105000.008	3105000.016
E3	Filter	3105012.003	3105012.003
E4	Insulation, foam	3105010.007	3105946.002
E5	Grill, return air (SW)	3104928.001	3104928.001
	Grill, return air (PW)	3104928.019	3104928.019
	Grill, return air (GRY)	3104928.027	— — — —
E6	Parts bag	3108701.381	3108701.381
E7	Double-sided tape (16")	3105154.003	3105154.003
E8	Insulation	3105014.009	3105014.009
E9	Divider	3105009.009	3105009.009
E10	Foam tape (16" req.)	306168.000	306168.000
E11	Insulation (LH)	— — —	3105946.010
E12	Insulation	3105014.017	3105014.017



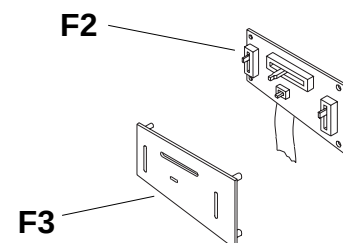
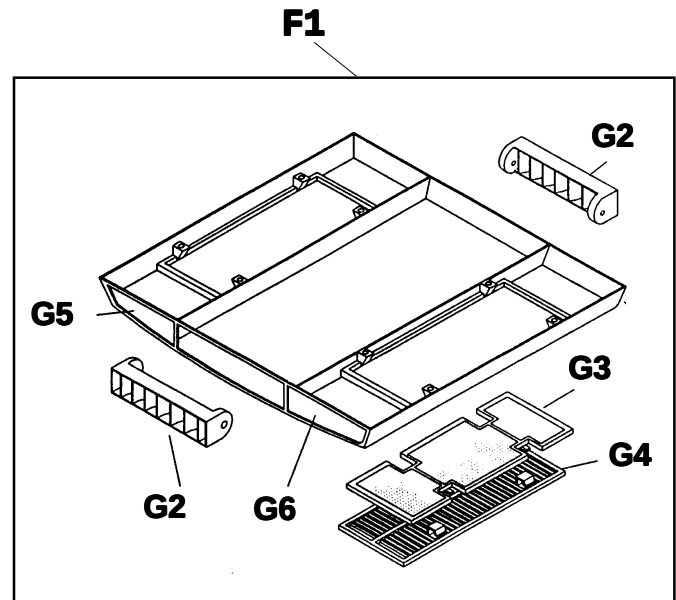
CUSTOMER OPTION – NOT REQUIRED

F 3105708.014 BOX ASSEMBLY, AIR PW (F1-F5) 3105708.006 BOX ASSEMBLY, AIR SW (F1-F5)

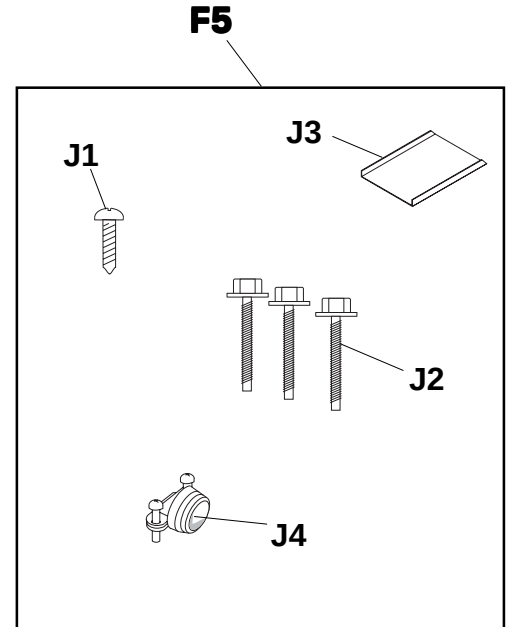
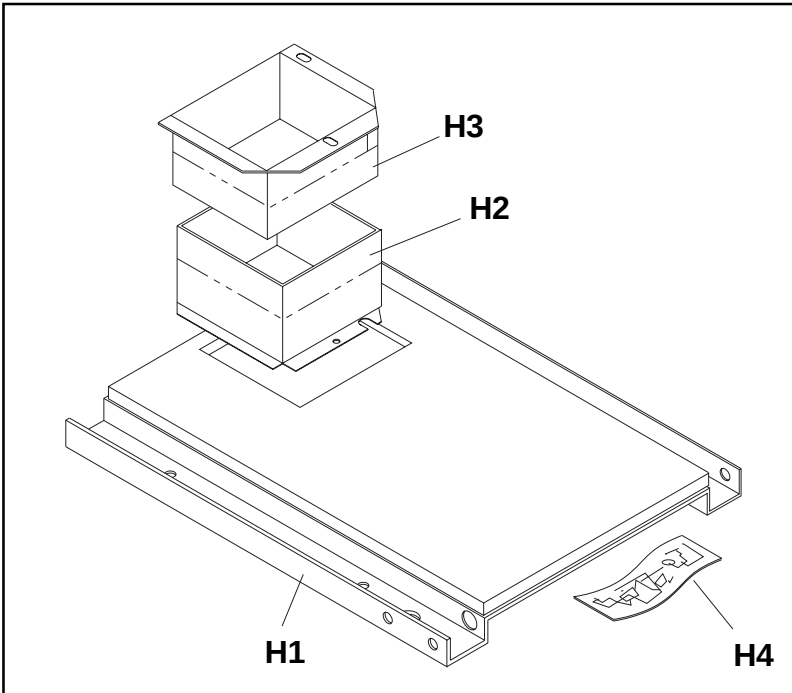
F1	3101390.064	3105908.028	Air Box assembly (G2-G6)
G2	3100289.002	3100289.002	Louver Asm. (2 req.)
G3	3100281.009	3100281.009	Filter air (2 req.)
G4	3100270.002	3100270.010	Grill, return air (2 req.)
G5	3102334.020	3102334.020	Decal, air box LH
G6	3103815.001	3103815.001	Decal, air box RH

F2	3108701.339	3108701.339	Board, control
F3	3102331.000	3102331.000	Holder
F4	3105709.004	3105709.004	Template, ceiling (H1-H5)
H1	3100265.028	3100265.028	Template, less insulation
H2	3100342.017	3100342.017	Duct extension, lower
H3	3100262.009	3100262.009	Duct extension, upper
H4	3105710.002	3105710.002	Decal, field wiring
H5	3100287.006	3100287.006	Insulation

F5	3108701.636	3108701.636	Bag, misc. parts (J1-J4)
J1	312096.015	312096.015	Screw (8 req.)
J2	3100375.058	3100375.058	Screw 1/4-20 (3 req.)
J3	3101316.028	3101316.028	Cover, junction box
J4	20010.000	20010.000	Connector, conduit



CUSTOMER OPTIONS — NOT REQUIRED



WIRING DIAGRAM FOR 3105708.006 AIR BOX ASSEMBLY

