



WHEN ORDERING SPARE PARTS, ALWAYS STATE:
MODEL NO. - PRODUCT NO. - QUANTITY -
PART NUMBER - DESCRIPTION

MODULARIZED **BRISKAIR** Roof-Top Air Conditioner

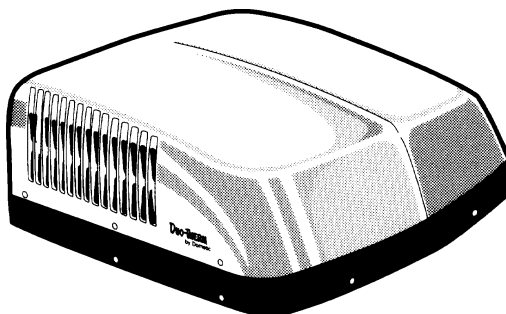
WITH CUSTOMER OPTIONS

Air Distribution Box Kit - 3105023.000

Electronic Control Kit - 3104999.002

Electronic Control Kit - 3104999.010

Bi-Metal Relay Control Kit - 3104998.004



Includes B, C & D Suffix

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:
800-544-4884

PARTS LIST

REVISION
Form No. 3105236.073 11/99
(Replaces 3105236.065)
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LaGrange, IN 46761

MODELS
59016.521

Product No. 991731630
Includes B, C & D Suffix

59016.526

Product No. 991731631
Includes C Suffix

[illegible]

ALPHABETICAL INDEX

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Upper unit, field	3	

SPECIFICATIONS

Electronic Control Kit #3104994.002/3104994.010

Bi-Metal Relay Control Kit #3104998.004

Air Distribution Box, w/Bi-Metal Wall T-Stat SW 3105637.007

Air Distribution Box, w/Bi-Metal Wall T-Stat PW 3105637.015

MODEL NO.	59016.521	59016.526
Nominal Capacity (BTU/HR)	15,000	15,000
Electrical Rating	115 VAC, 60 Hz., 1 ph.	
Compressor Rated Load Amps	12.9	12.9
Fan Motor Rated Load Amps	2.5	2.5
Compressor Locked Rotor Amps	71.0	71.0
Fan Motor Locked Rotor Amps	6.0	6.0
Heater Amps/Watts @ 120 VAC	12.7/1530	
Input Watts, Cooling	1700	1700
Input Watts, Heating	1800	1800
SCFM-High Speed Max./Min.	350 / 250	
Total Static - Min./Max.	0/55/0.90" WC	
Refrigerant (R22) Oz.	28.5	28.5
Minimum Wire Size *** AC	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 the National Electrical Code, the Canadian Electrical Code and any State or Local Codes and Regulations.	
Installed Weight (Pounds)	101	101
Minimum Generator	1 Unit	3.0 KW
Size **	2 Units	5.0 KW

SPECIFICATIONS

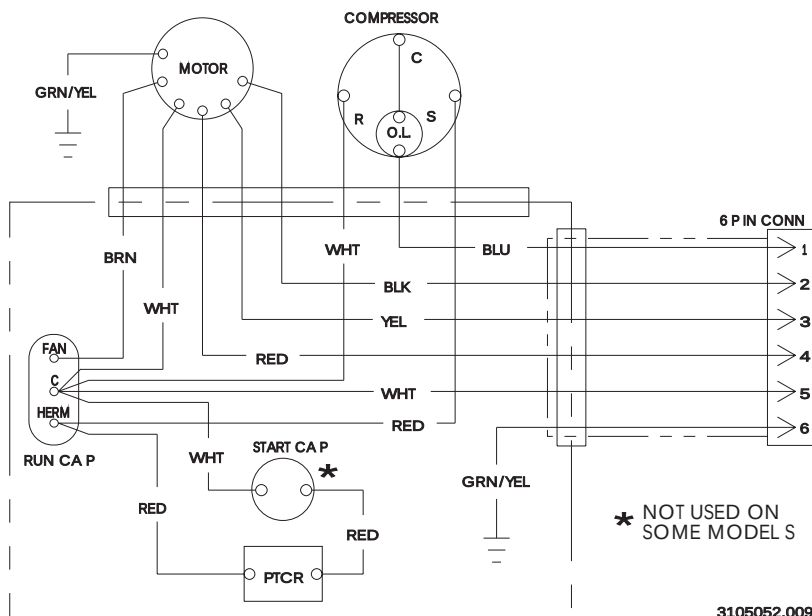
Air Distribution Box Kit #3107206.XXX

MODEL NO.	59016.521	59016.526
Nominal Capacity (BTU/HR)	15,000	15,000
Electrical Rating	115 VAC, 60 Hz., 1 ph.	
Compressor Rated Load Amps	12.9	12.9
Fan Motor Rated Load Amps	2.5	2.5
Compressor Locked Rotor Amps	71.0	71.0
Fan Motor Locked Rotor Amps	6.0	6.0
Heater Amps/ Watts@120VAC	12.7/1530	
Input Watts, Cooling	1700	1700
Input Watts, Heating	1800 @ 120 VAC	
Refrigerant (R22) Oz.	28.5	28.5
Minimum Wire Size *** AC	12 AWG Copper Up to 24 ft.	
AC Circuit Protection (User Supplied)	20 Amp Time Delay Fuse or HACR Circuit Breaker	
Installed Weight (Pounds)	110	110
Minimum Generator	1 Unit	3.5 KW
Size **	2 Units	5.0 KW

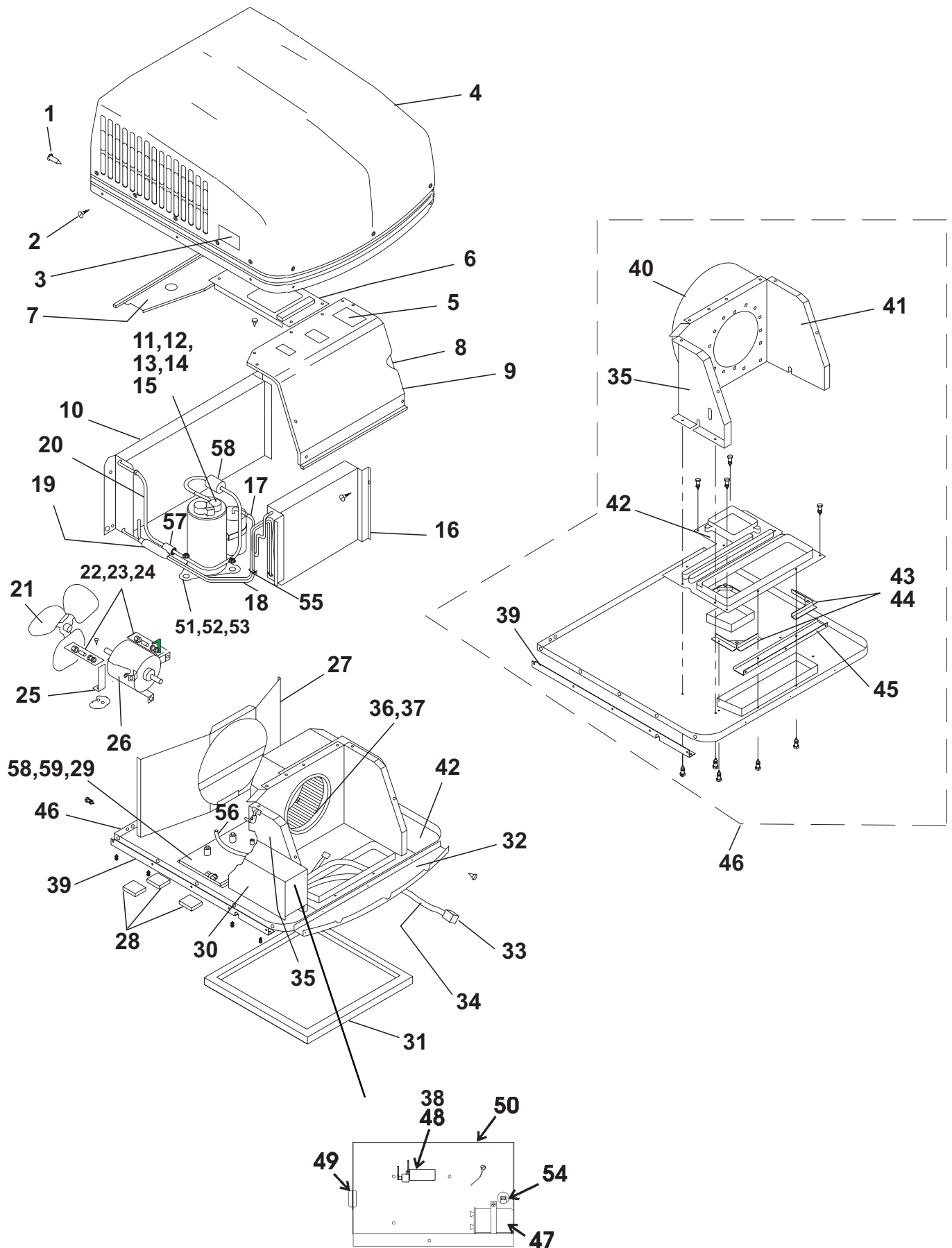
*** For distances over 24 ft. consult the National Electrical Code.

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

UPPER UNIT FIELD WIRING DIAGRAM



3105052.009



590 SERIES QUICK COOL MODULARIZED ROOF-TOP AIR CONDITIONERS

Index #	Description	Part No. - 59016.521	Part No. - 59016.526
1	Screw, shoulder (2 req.)	3102834.003	3102834.003
2	Screw, shroud (12 req.)	313685.001	313685.001
3	Decal, shroud (2 req.)	See NOTE 1	See NOTE 1
4	Shroud	See NOTE 2	See NOTE 2
5	Decal, field wiring	3105052.009	3105052.009
6	Cover, condenser	309383.000	309383.000
7	Bulkhead brace	3100357.023	3100357.023
8	Insulation, evap. cover	317797.001	317797.001
9	Cover, evaporator	314885.002	314885.002
10	Coil, condenser	3104621.010	3104621.010
11	Compressor asm. (Matsushita 2K21C3R126A-SA)	3104616.002	3104616.002
12	Cover, terminal	3102548.009	3102548.009
13	Gasket, terminal	3102549.007	3102549.007
14	Nut, terminal cover	3102550.005	3102550.005
15	Gasket, nut	3102551.003	3102551.003
16	Coil, evaporator	3105060.010	3105060.010
17	Line, suction	3105823.011	3105823.011
18	Tube, capillary (2 req.)	3100245.343	3100245.343
19	Filter drier	3103882.001	3103882.001
20	Line, discharge	3105824.019	3105824.019
21	Fan blade	317914.008	317914.008
22	Grommet, motor (4 req.)	3100230.022	3100230.022
23	Spacer, motor (4 req.)	308046.002	308046.002
24	Nut, flange, motor (4 req.)	306342.003	306342.003
25	Support, motor	3108700.067	3108700.067
26	Motor, fan	3108701.430	3108701.430
27	Bulkhead, condenser	317923.001	317923.001
28	Foam blocks (7 req.)	3100587.009	3100587.009
29	Plate, compressor	3107478.004	3107478.004
30	Cover, elec. box	3100828.007	3100828.007
31	Gasket, 14 x 14	3100247.000	3100247.000
32	Channel, front	3102811.001	3102811.001
33	Control Cable Kit	3108703.327	3108703.327
34	Sleeving, wire	318087.009	318087.009
35	Insulation (3 piece set)	3104152.008	3104152.008
36	Blower inlet ring	3106415.007	3106415.007
37	Wheel, blower	3104887.009	3104887.009
38	Starter kit, compressor motor	3106732.005	3106732.005
39	Bracket, base pan side (2 req.)	Not Used on this Model	See Note 4
40	Housing, weld, blower	3101145.005	3101145.005
41	Bulkhead, evaporator	3100831.076	3100831.076
42	Drain, pan	See Note 3	See Note 3
43	Bracket, mounting (3 req.)	See Note 3	See Note 3
44	Nut with mtg. clip (3 req.)	3100280.027	3100280.027
45	Brace, front	See Note 3	See Note 3
46	Kit, base pan See Note 3)	3108705.348	3108705.348
47	Capacitor, fan (run)	3100248.446	3100248.446
48	PTCR device	See Index 38	See Index 38
49	Strain, relief	302994.012	302994.012
50	Box, elec.	3100827.058	3100827.058
51	Sleeve, compressor (3 req.)	3100239.122	3100239.122
52	Grommet, compressor (4 req.)	3100238.207	3100238.207
53	Nut, flange, compressor (3 req.)	306342.002	306342.002
54	Strain, relief	302994.017	302994.017
55	Wire Tie	317228.003	317228.003
56	Wire Sleeving	318087.010	318087.010
57	Mastic Tape	3105425.007	3105425.007
58	Vibration Pad	3107016.002	3107016.002
59	Stud Spot Weld	312105.012	312105.012

***CUSTOMER OPTIONS--REQUIRED**

Air Distribution Box (SW)	3107206.009
Air Distribution Box (PW)	3107206.019
Control Kit, analog cool only	3107541.009
Control Kit, analog heat strip	3107541.017
Air Distribution Box (SW)	3107210.001
Air Distribution Box (PW)	3107210.019
Control Kit, Comfort Control Center	3106481.009
Comfort Control Center	3106463.007

***SEE INDIVIDUAL PARTS LIST FOR EACH OPTION**

**NOTE 1: Shroud Decal (2 REQ.)
3101380.008**

Decal not used on models with Suffix B, C or D.

NOTE 2: (Shroud Part Numbers)

Model No.	Shroud No.
No Suffix letter	3103144.006 (S. Wht.)
With Suffix letter B	3103146.001 (Gry.)
With Suffix letter C	3103147.009 (P. Wht.)
With Suffix letter D	3103148.007 (Lt. Gray)

NOTE 3: Not Available as Individual Part

Order Base Pan Kit Number 3108705.348
Kit includes Items 35, 39, 40, 41, 42, 43, 44, 45 & 46.

**NOTE 4: Bracket, Base Pan side
3103930.008**

Used only on Model 59016.526