



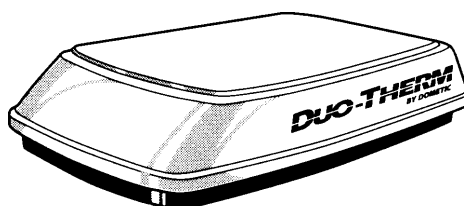
**WHEN ORDERING SPARE PARTS, ALWAYS STATE:**  
MODEL NO. - PRODUCT NO. - QUANTITY -  
PART NUMBER - DESCRIPTION  
FOR ELECTRIC DETAILS ALSO:  
VOLTAGE - WATTAGE

# ROOF MOUNTED R.V. HEAT PUMP 115 VAC / 60 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



**USED WITH THE  
3106436.007 COMFORT CONTROL CENTER  
3106554.XXX AIR DISTRIBUTION BOXES  
AND  
3105007.XXX and 3105935.XXX RETURN AIR COVER KIT**

## ***PARTS LIST***

**MODEL  
630215.421**

**Product No. 991721726  
Includes Suffix C & D**

**REVISION**  
Form No. 3107013.017 9/98  
(Replaces 3107013.009)  
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LaGrange, IN 46761

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### SPECIFICATIONS

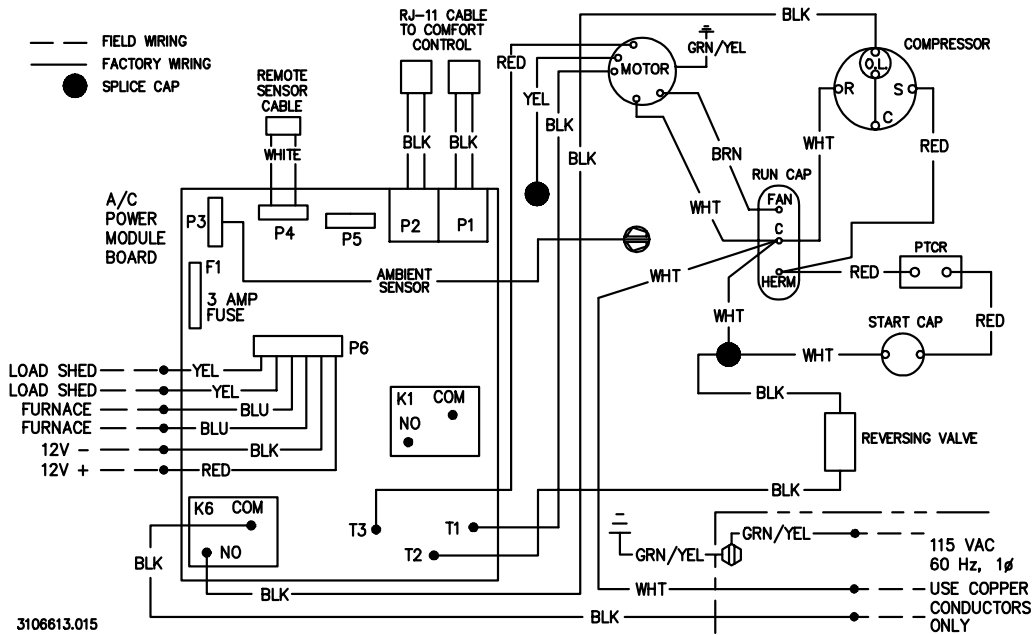
|                                          |                                                                                                |
|------------------------------------------|------------------------------------------------------------------------------------------------|
| <b>MODEL NUMBER</b>                      | <b>630215.421</b>                                                                              |
| 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                                                                                            |
| SCFM - High Speed Max./Min.              | 335/250                                                                                        |
| Refrigerant (R22) oz.                    | 17                                                                                             |
| Minimum Wire Size ** (AC ckt.)           | 12 AWG Copper up to 24 ft.                                                                     |
| AC Circuit Protection<br>(User Supplied) | 20 Amp Time Delay Fuse or<br>HACR Circuit Breaker                                              |
| DC Circuit Protection<br>(User Supplied) | Installation must comply with all National,<br>State, Providence and/or Local Electrical Codes |
| Installed Weight (Pounds)                | 102                                                                                            |
| Minimum Generator                        | 1 UNIT                                                                                         |
| Size ***                                 | 2 UNITS                                                                                        |
|                                          | 3.5 KW                                                                                         |
|                                          | 5.0 KW                                                                                         |

\* Maximum unit performance achieved at full rated voltage.

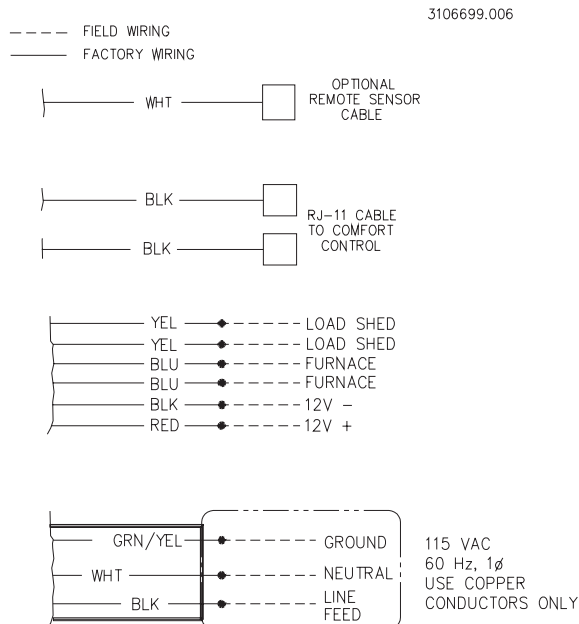
\*\* For lengths over 24 ft., consult the National Electrical Code.

\*\*\* 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.

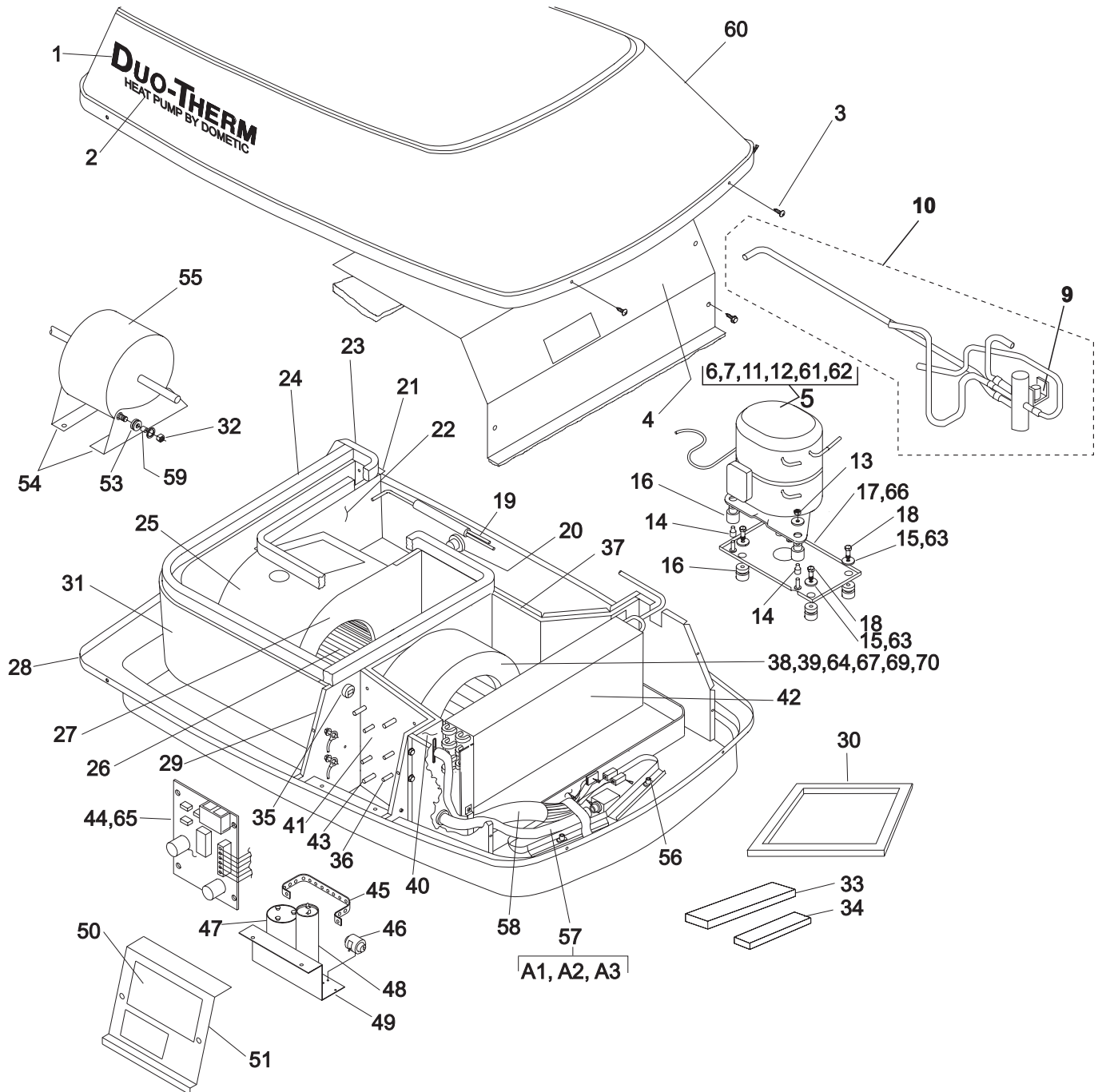
WIRING DIAGRAM FOR 630215.421



WIRING DIAGRAM FOR 3106554.003 & 3106554.011  
AIR BOX ASSEMBLY



## ROOF MOUNTED ASSEMBLY



| Index # | Description                            | Part No.     |
|---------|----------------------------------------|--------------|
| 1       | Decal, Duo-Therm (2 req.) See NOTE 1   | 3102888.009  |
| 2       | Decal, Heat Pump (2 req.) See NOTE 1   | 3106381.001  |
| 3       | Screw Shroud (4 req.)                  | 313685.001   |
| 4       | Evaporator cover, asm., w/insulation   | 3102514.803  |
| 5       | Compressor asm. (TEC AK-8513E)         | 3102863.002  |
| 6       | Cover, terminal                        | 3102806.001  |
| 7       | Gasket, terminal                       | 3102805.003  |
| 8       | Overload                               | 3100250.244  |
| 9       | Solenoid, reversing valve              | 3105504.009  |
| 10      | Assembly, reversing valve              | 3106042.017  |
| 11      | Spring, compressor base                | 3102594.003  |
| 12      | Plate, compressor base                 | 3102593.005  |
| 13      | Nut, flange (3 req.)                   | 306342.002   |
| 14      | Sleeve (3 req.)                        | 3100239.098  |
| 15      | Washer (4 req.)                        | 309513.015   |
| 16      | Grommet, compressor (7 req.)           | 3102324.005  |
| 17      | Plate, compressor mounting             | 3100385.008  |
| 18      | Screw (4 req.)                         | 312110.024   |
| 19      | Capillary tube (2 req.)                | 3100245.392  |
| 20      | Bushing, snap-in                       | 301028.037   |
| 21      | Plate, close-off                       | 3106143.005  |
| 22      | Blower side, rear                      | 3100261.001  |
| 23      | Tape, foam (1.25 x 75 x 69") (1 req.)  | 3102669.045  |
| 24      | Tape, foam (1.25 x 1.25 x 35) (1 req.) | 3102669.029  |
| 25      | Blower scroll                          | 3100260.003  |
| 26      | Wheel, condenser                       | 3100386.006  |
| 27      | Blower side, front                     | 3100259.005  |
| 28      | Pan, base                              | 3103179.010  |
| 29      | Bulkhead, evaporator                   | 3100254.055  |
| 30      | Gasket 14"x 14"                        | 3100247.000  |
| 31      | Coil, condenser                        | 3106041.001  |
| 32      | Nut, flange (4 req.)                   | 306342.003   |
| 33      | Gasket (16" x 1.5")                    | 3100286.016  |
| 34      | Gasket (10" x 1.5")                    | 3100286.032  |
| 35      | Strain relief                          | 302994.017   |
| 36      | Support, PC board (6 req.)             | 3101623.019  |
| 37      | Bulkhead, compressor                   | 3102511.049  |
| 38      | Blower, housing                        | 3100300.007  |
| 39      | Wheel, evaporator                      | 3100385.008  |
| 40      | Insulation, evaporator                 | 3102516.022  |
| 41      | Bulkhead, electric box                 | 3102532.045  |
| 42      | Coil, evaporator                       | 3105970.002  |
| 43      | Stand-off, PC Board (4 req.)           | 3101624.017  |
| 44      | Board, A/C power                       | 3106482.007  |
| 45      | Strap, capacitor                       | 317188.000   |
| 46      | PTCR device                            | 31000876.006 |
| 47      | Capacitor, fan-run                     | 3100248.529  |
| 48      | Capacitor, start                       | 3100236.219  |
| 49      | Panel, capacitor                       | 3104412.006  |
| 50      | Decal, field wiring                    | 3106613.015  |
| 51      | Cover, electric box                    | 3102510.009  |
| 53      | Grommet, motor (4 req.)                | 3100230.022  |
| 54      | Mounts, motor (2 req.)                 | 3106187.002  |
| 55      | Motor                                  | 3108702.372  |
| 56      | Bracket, front                         | 3105495.000  |
| 57      | Asm., cable power                      | 3108703.194  |
|         | A1 Sleeve, fiberglass                  | 3100394.109  |
|         | A2 Box, junction                       | 3101316.036  |
|         | A3 Strain relief                       | 302994.015   |
| 58      | Asm., cable control                    | 3108703.186  |
| 59      | Spacer (4 req.)                        | 308046.000   |
| 60      | Shroud                                 | See NOTE 1   |
| 61      | Spring, overload                       | 3102802.000  |
| 62      | Strap, bail                            | 3102804.006  |
| 63      | Sleeve, compression mtg. (4 req.)      | 3100239.098  |
| 64      | Baffle, styrofoam                      | 3107261.004  |
| 65      | Ambient sensor (not shown)             | 3106483.005  |
| 66      | Plate adapter                          | 3107965.000  |
| 67      | Foam insulation - See Note 2           | 3105014.132  |
| 68      | Insulation, left - See Note 2          | 3107856.001  |
| 69      | Insulation, right - See Note 2         | 3107857.009  |

**NOTE 1:**

**Models ending in .421:**

Use 3102515.008 Shell White Shroud

**Models ending in .421C:**

Use 3102515.024 Polar White Shroud

**Models ending in .421D:**

Use 3102515.032 Light Gray Shroud

**Decals not used on "D" suffix models**

**NOTE 2:**

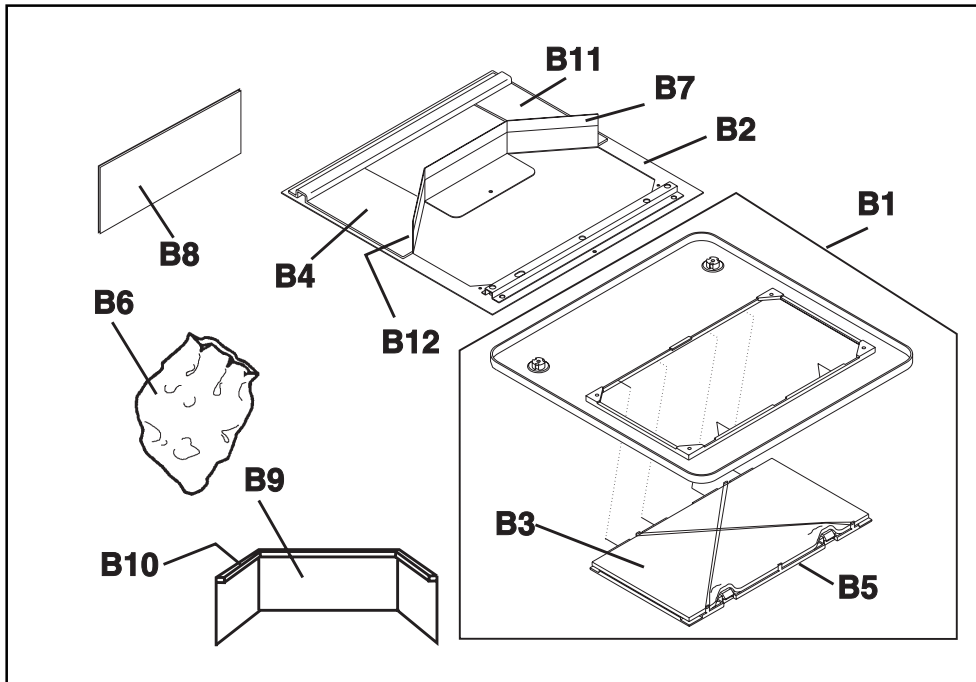
**Items 67, 68 and 69 are used on the "C" model only.**

**CUSTOMER OPTION:**

|             |                                     |
|-------------|-------------------------------------|
| 3106554.003 | Air box                             |
| 3106554.011 | Air box                             |
| 3106463.007 | Comfort Control                     |
| 3106486.008 | Sensor Remote                       |
| 3105007.003 | Cover, kit return air - Shell White |
| 3105007.011 | Cover, kit return air - Polar White |
| 3105007.029 | Cover, kit return air - Gray        |
| 3105935.005 | Cover, kit quick-cool, Shell White  |
| 3105935.013 | Cover, kit quick-cool - Polar White |
| 3106776.002 | Cover, kit junction box             |

## Customer Option -- Return Air Asm.

| Item     | Description                          | Part No.           | Part No.           |
|----------|--------------------------------------|--------------------|--------------------|
| <b>B</b> | <b>Cover Asm. Complete SW B1-B7</b>  | <b>3105007.003</b> | <b>3105935.005</b> |
|          | <b>Cover Asm. Complete PW B1-B7</b>  | <b>3105007.011</b> | <b>3105935.013</b> |
|          | <b>Cover Asm. Complete Gry B1-B7</b> | <b>3105007.029</b> | <b>— — — —</b>     |
| B1       | Grill asm., (SW)                     | 3105148.005        | 3105958.007        |
|          | Grill asm., (PW)                     | 3105148.013        | 3105958.015        |
|          | Grill asm., (GRY)                    | 3105148.021        | — — — —            |
| B2       | Template, ceiling                    | 3105000.008        | 3105000.016        |
| B3       | Filter                               | 3105012.003        | 3105012.003        |
| B4       | Insulation, foam                     | 3105010.007        | 3105946.002        |
| B5       | Grill, return air (SW)               | 3104928.001        | 3104928.001        |
|          | Grill, return air (PW)               | 3104928.019        | 3104928.019        |
|          | Grill, return air (GRY)              | 3104928.027        | — — — —            |
| B6       | Parts bag                            | 3108701.381        | 3108701.381        |
| B7       | Double-sided tape (16")              | 3105154.003        | 3105154.003        |
| B8       | Insulation                           | 3105014.009        | 3105014.009        |
| B9       | Divider                              | 3105009.009        | 3105009.009        |
| B10      | Foam tape (16" req.)                 | 306168.000         | 306168.000         |
| B11      | Insulation (LH)                      | — — —              | 3105946.010        |
| B12      | Insulation                           | 3105014.017        | 3105014.017        |



## Customer Option - Required

**3106554.003 Box, Asm. Complete Air (SW)**

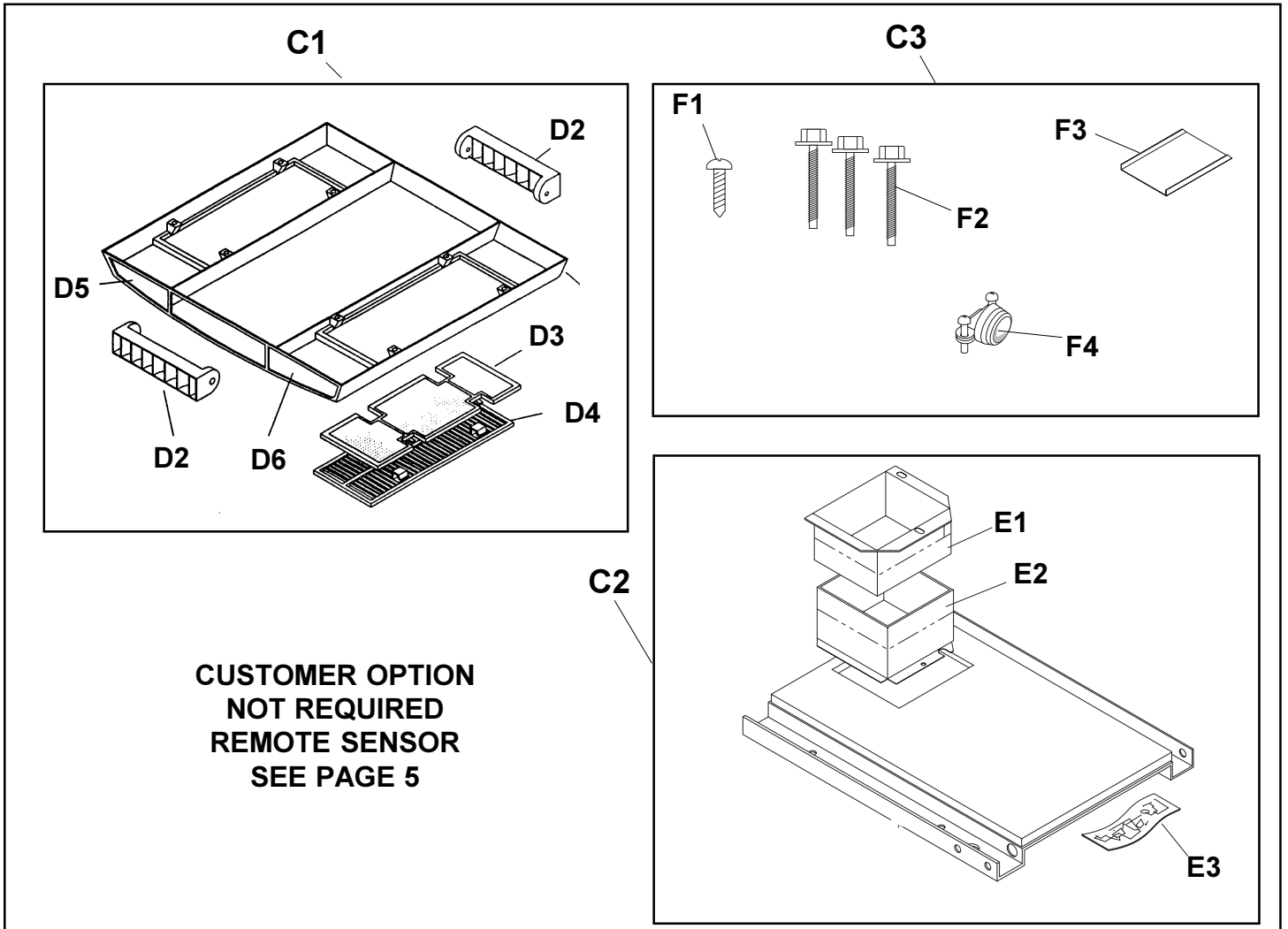
**C1-C4**

**3106554.011 Box, Asm. Complete Air (PW)**

**C1-C4**

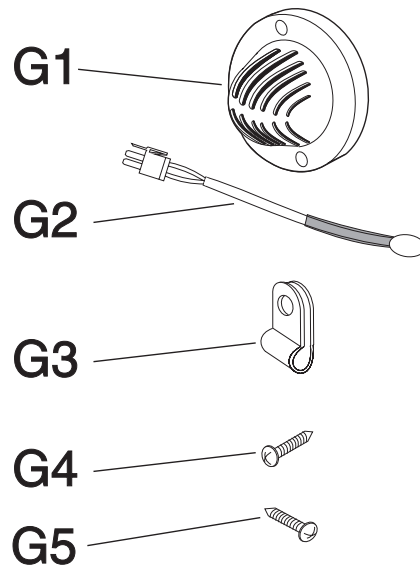
|           | Description                      | Part No.           | Part No.           |
|-----------|----------------------------------|--------------------|--------------------|
| <b>C1</b> | <b>Box, asm. air (D1-D6)</b>     | <b>3106554.003</b> | <b>3106554.011</b> |
|           | D2 Louver (2 req.)               | 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                     | 3106036.001        | 3106036.001        |
| <b>C2</b> | <b>Template, Ceiling (E1-E3)</b> | <b>3105709.038</b> | <b>3105709.038</b> |
|           | E1 Duct, ext. Upper              | 3100262.025        | 3100262.025        |
|           | E2 Duct, ext. lower              | 3100342.017        | 3100342.017        |
|           | E3 Wiring decal                  | 3106699.006        | 3106699.006        |
| <b>C3</b> | <b>Bag, Misc. Parts (F1-F4)</b>  | <b>3108701.636</b> | <b>3108701.636</b> |
|           | F1 Screw (8 req.)                | 312096.015         | 312096.015         |
|           | F2 Screw 1/4-20 (3 req.)         | 3100375.058        | 3100375.058        |
|           | F3 Cover, junction box           | 3101316.028        | 3101316.028        |
|           | F4 Connector                     | 20010.000          | 20010.000          |
| <b>C4</b> | <b>Customer Option</b>           |                    |                    |
|           | 3106486.008 Remote Sensor        |                    |                    |

See G1-G5, Page 8



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

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



**Customer Option - Required**  
**3106463.007 CENTER, COMFORT CONTROL**

