



M3751

Fig. 26. Components of the Electronic Air Cleaner (2-cell model shown).

REPLACEMENT PARTS/EXPLODED VIEW

No.	Description	Nominal Return Air Opening				
		16 x 20 in. (406 x 508 mm)	16 x 25 in. (406 x 635 mm)	20 x 12-1/2 in. (508 x 318 mm)	20 x 20 in. (508 x 508 mm)	20 x 25 in. (508 x 635 mm)
1	Access Door includes No. 2	203306AB (1)	203306AB (1)	203305AB (1)	203305AB (1)	203305AB (1)
2	Test Button Assembly	137980A (1)	137980A (1)	137980A (1)	137980 (1)	137980A (1)
3	Electronic Cell	FC37A1114 (2)	FC37A1130 (2)	FC37A106 (1)	FC37A1049 (2)	FC37A1064 (2)
4	Cell Handle	137266 (2)	137266 (2)	137266 (1)	137266 (1)	137266 (2)
5	Prefilter	209989 (2)	203371 (2)	203372 (1)	203373(2)	203372 (2)
6	Cell Key	136518 (1)	136518 (1)	136518 (1)	136518 (1)	136518 (1)
7	Power Box Assembly Includes No. 8-20, 120V, 60 Hz	208418E (1)	208417B (1)	208419A (1)	208418A (1)	208417A (1)
	240V, 60 Hz	N/A	N/A	208419B (1)	N/A	N/A
8	Switch	203321 (1)	203321 (1)	203321 (1)	203321 (1)	203321 (1)
9	Power Box Cover and Label	203319A (1)	203318A (1)	203320A (1)	203319A (1)	203318A (1)
10	Power Supply, 120V, 60 Hz	208414G (1)	208414B (1)	208414C (1)	208414B (1)	208414A (1)
	240V, 60 Hz	N/A	N/A	208415C (1)	N/A	N/A
11	Interlock Bracket and Switch	4074ETG (1)	4074ETG (1)	4074ETG (1)	4074ETG (1)	4074ETG (1)
12	W8600 Terminal Strip	Supplied with W8600F				
13	Terminal Board Assembly Front	203329B (1)	203329B (1)	203329D (1)	203329C (1)	203329B (1)
14	Terminal Board Assembly Rear	203329A (1)	203329A (1)	N/A	203329A (1)	203329A (1)
15	Barrier Plate	203331 (1)	203331 (1)	203331 (1)	203331 (1)	203331 (1)
16	Strain Relief	203852 (1)	203852 (1)	203852 (1)	203852 (1)	203852 (1)
17	Line Cord	4074ETD (1)	4074ETD (1)	4074ETD (1)	4074ETD (1)	4074ETD (1)
18	Hole Plug	203847 (1)	203847 (1)	203847 (1)	203847 (1)	203847 (1)
19	Neon Assembly	4074EYS (1)	4074EYS (1)	4074EYT (1)	4074EYS(1)	4074EYS (1)
20	Airflow Switch	4074ETH (1)	4074ETH (1)	4074ETJ (1)	4074ETH (1)	4074ETH (1)
21	FC37A Bag Assembly for cell repair. Contains 2 Connector Clips, 1 Terminal Board and Instructions.	4074EHG	4074EHG	4074EHG	4074EHG	4074EHG

(#) = Quantity required per unit

N/A = Not available as merchandized part.

Parts and Accessories Not Illustrated

Description	Nominal Return Air Opening				
	16 x 20 in. (406 x 508 mm)	16 x 25 in. (406 x 635 mm)	20 x 12-1/2 in. (508 x 318 mm)	20 x 20 in. (508 x 508 mm)	20 x 25 in. (508 x 635 mm)
Air Cleaner Cabinet Gasket Kit	32002109-001	32002109-001	32002109-001	32002109-001	32002109-001
Ionizer Wires (multiples of 5)	136434BA	136434BA	136434AA	136434AA	136434AA
Mounting Screws	136375 (6)	136375 (6)	136375 (6)	136375 (6)	136375 (6)
Air Cleaner Monitor (beige color)	W8600F1006	W8600F1008	W8600F1008	W8600F1008	W8600F1008
Premier White® Air Cleaner Monitor	W8600F1014	W8600F1014	W8600F1014	W8600F1014	W8600F1014
2-Stage EAC Cell with Collector Clip	N/A	FC37A1247 (2)	FC37A1239 (2)	N/A	FC37A1239 (2)
240V Conversion Kit	203365A	203365A	N/A	203365A	203365A

(#) = Quantity required per unit N/A = Not available as merchandized part.

ELECTRICAL TROUBLESHOOTING

WARNING

Electric Shock Hazard.
Can cause personal injury or equipment damage.
The following procedures expose hazardous live parts. Disconnect from power between checks and proceed carefully. These instructions are for use by qualified personnel only.

Tools and Equipment

- Troubleshooting the electronic air cleaner requires:
- Needle nose pliers for stringing ionizer wires and inserting edge connectors.
 - Test meter.

Neon Light (On Power Box)

The neon light is powered through the power supply and is on when the power supply output voltage is normal.

Test Button

When pushed, the test button shorts from collector voltage to ground. The resulting arcing sound indicates that high voltage is being supplied to the collector. The solid state power supply controls current flow to the collector. On air cleaners with a W8600F, the FAULT indicator will activate when the test button is held down.

FAULT Indicator (Air Cleaners with W8600F)

The FAULT indicator is on the W8600F. It activates to indicate the following conditions: excessive dirt loading, partial shorting of the collector, continuous ionizer or collector arcing, power supply failure, excessive ionizer current, or any condition causing a major reduction in high voltage.

Power Box

WARNING

Electric Shock Hazard.
Can cause personal injury.
Always turn off power and remove access door before removing power supply or its cover.

The solid state power supply within the power supply box can be replaced. When troubleshooting indicates a power supply problem, replace the entire power box or replace the power supply within the box. See Installation Instructions, form 69-1136. See Fig. 24 for power box removal.

Troubleshooting Procedure

The electronic air cleaner Troubleshooting charts show how to quickly isolate a problem in the air cleaner. Although a meter is needed for some steps, the primary diagnostic tools are the neon light and the test button. See Fig. 27.