

# ILLUSTRATED PARTS BREAKDOWN

# HA3000 20-80kVA

## UNINTERRUPTIBLE POWER SYSTEM (UPS)

### HOW TO USE THE IPB

#### GENERAL

This IPB is compiled following the organization and nomenclature of the engineering drawing structure.

#### MAJOR ASSEMBLY LOCATOR (When Applicable)

The Major Assembly Locator (first illustration) is an index that provides a description and a figure reference for all illustrations used in this manual.

#### INDENTED PARTS LIST

This manual identifies each assembly being broken down (figure reference callout), and all parts of that assembly. Further breakdown of an assembly is shown by an asterisk (\*) preceding the item callouts in the Description Column. The number of asterisks preceding an item is used to denote the subordination of that item with respect to the Major Assembly. A single asterisk preceding an item description indicates that the item is part of the major assembly being illustrated. Items that are subordinate to single asterisks items, are denoted by two asterisks (\*\*) and immediately follow the related single asterisk item. This system of part identification provides a means for the user to identify the next higher assembly item and make alternate selections for parts when the required replacement part of assembly is not immediately available.

#### COLUMN CALLOUT DESCRIPTION

**Figure and Item** – Indicates the figure number and item number of each part.

**Description** – Lists the name of the part and pertinent specifications (when required). Asterisks preceding the description denote the subordination of the part to the next higher assembly.

**DEC Part No.** – Lists the Digital part ordering number. A blank in this column indicates a Digital part number was not assigned at the time of publication.

**ECO Cut-In** – The notation at the top of this column indicates the ECO level of the system (option), at which the IPB was initially prepared. Subsequent ECO level designations, that modify existing parts or add new parts to the device, are inserted in the ECO Cut-In column next to the part that is added or modified.

**Used On Code** – Letters in this column correspond to the variation codes assigned in Figure 1. Parts with an Alpha notation(s) are used only in those option variations. A blank indicates that the part is used on all option variations.

**Ref Fig No.** – A cross reference between illustrations. For each Major Assembly, the number in this column denotes the figure of the next higher assembly. For all subassemblies, the number in this column denotes the figure showing additional detailed breakdown.

#### PART NUMBER/PART DESCRIPTION INDEX SECTION

Parts are indexed both numerically and alphabetically by description, referenced to a location within the IPB, by figure number and item number.

REVISION HISTORY				OTHER IPB MANUALS REFERENCED
PRINTING	ECO LEVEL		DATE	
1st Printing	HA3000	00000-00000	4-OCT-91	

Digital Equipment Corporation reserves the right, without notice, to make substitutions and modifications in the specifications of products documented in this manual and further reserves the right to withdraw any of these products from the market without notice.

Digital Equipment Corporation is not responsible for errors which may appear in the technical description (including illustrations and photographs) of the products covered by this manual.

None of the descriptions contained in this manual imply the granting of any license whatsoever to make, use or sell equipment constructed in accordance therewith.

Restricted Rights: Use, duplication or disclosure by the U.S. Government is subject to restrictions as set forth in subparagraph (c) (1) (ii) of the Rights in Technical Data and Computer Software clause at DFARS 252.227-2713.

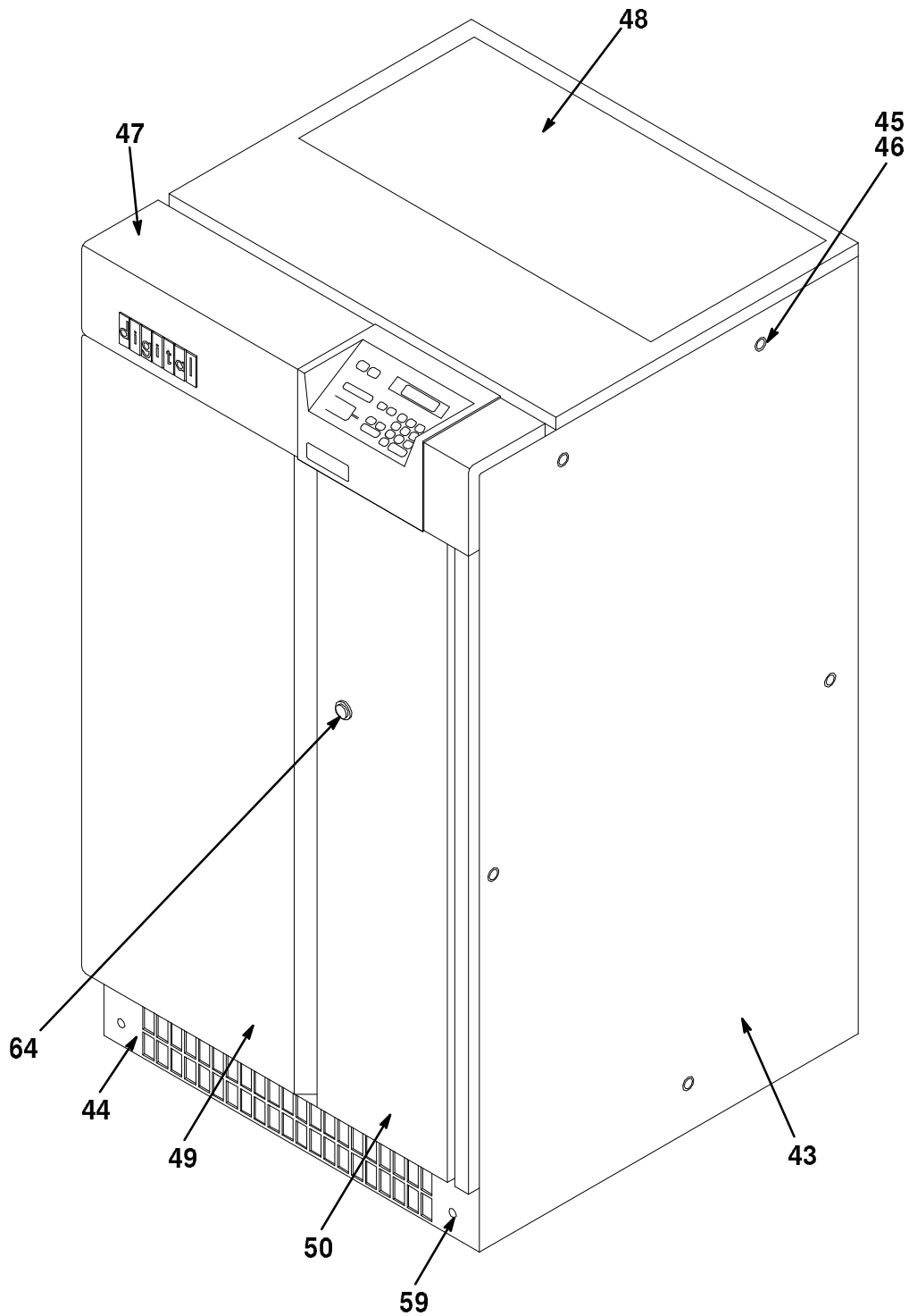
Copyright © 1991 by Digital Equipment Corporation. All rights reserved.  
Printed in U.S.A.

The postage-paid READER'S COMMENTS form on the last page of this document requests your critical evaluation to assist us in preparing future documentation.

The following are trademarks of Digital Equipment Corporation :

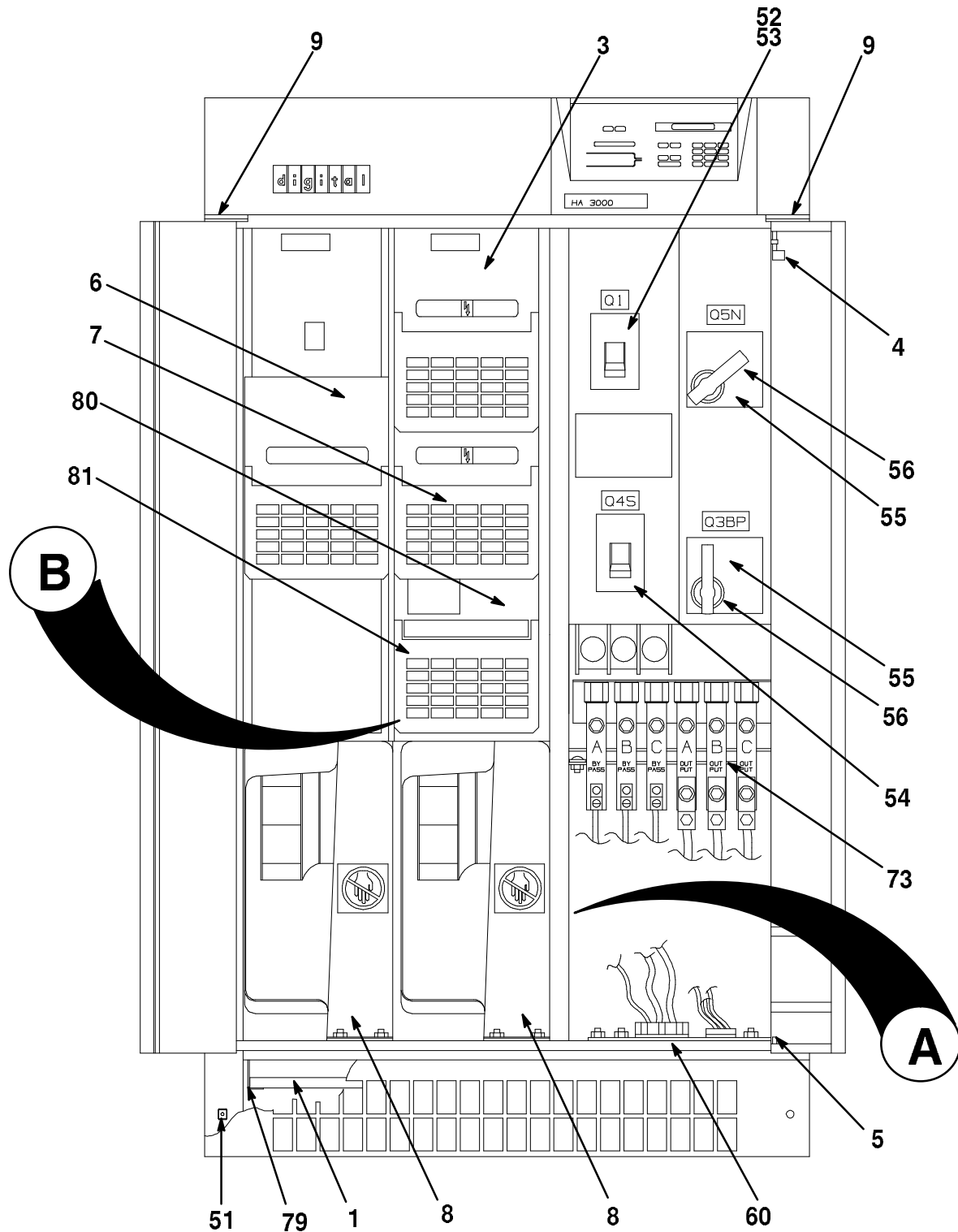
---

DECdirect, and the DIGITAL logo



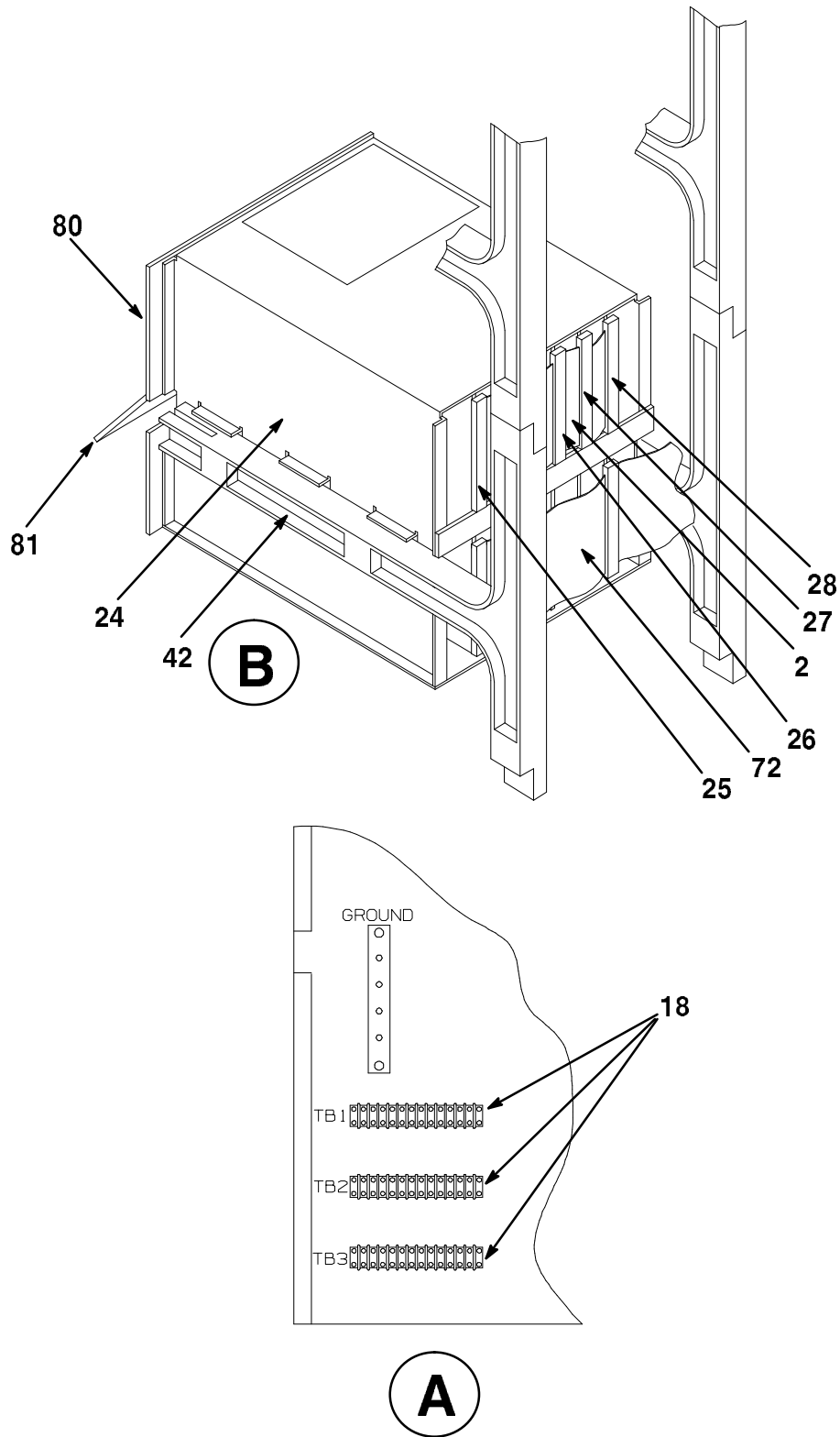
HA3000-01-IL

**Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 1 of 8)**



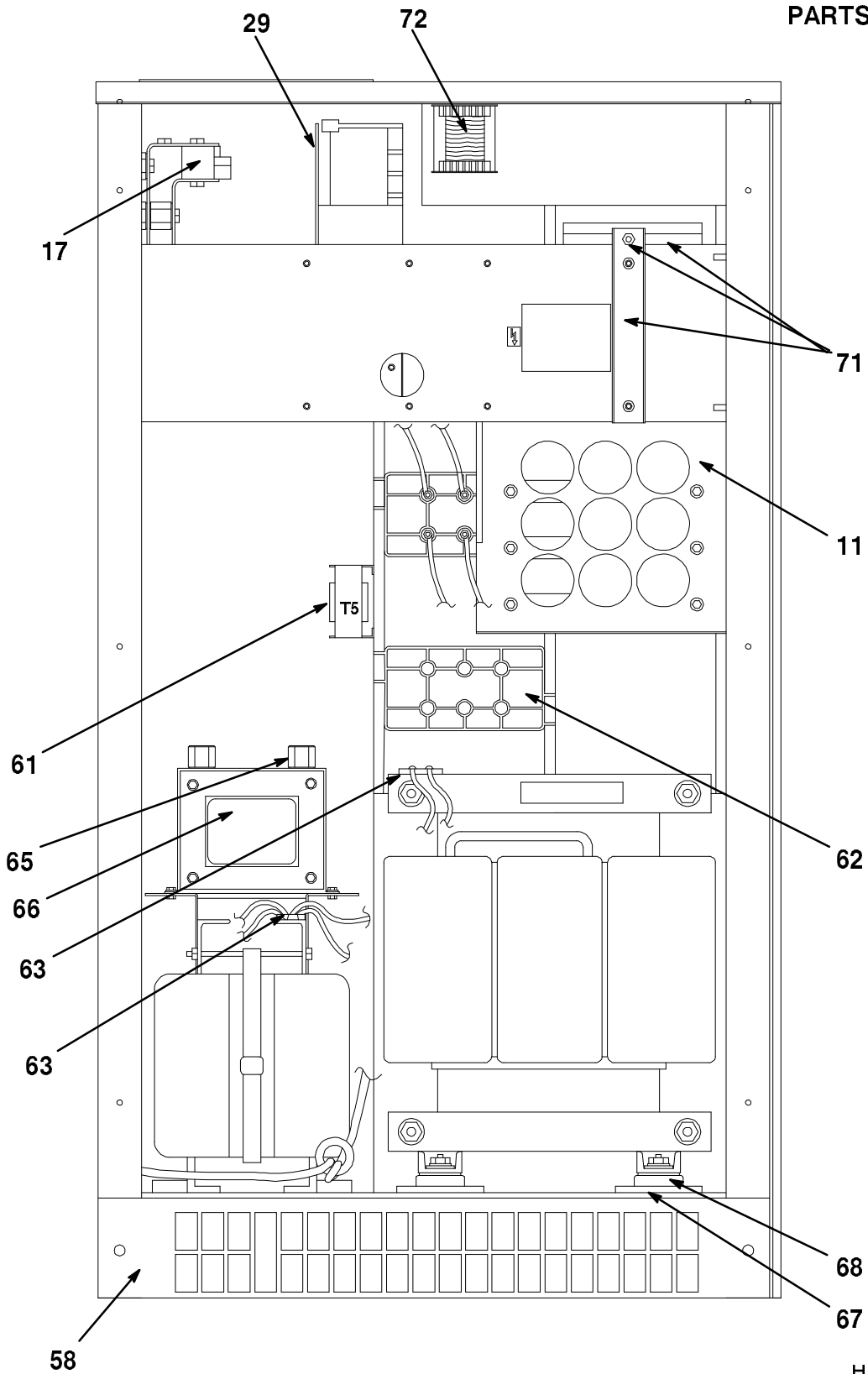
HA3000-01A-IL

**Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 2 of 8)**



HA3000-01B-IL

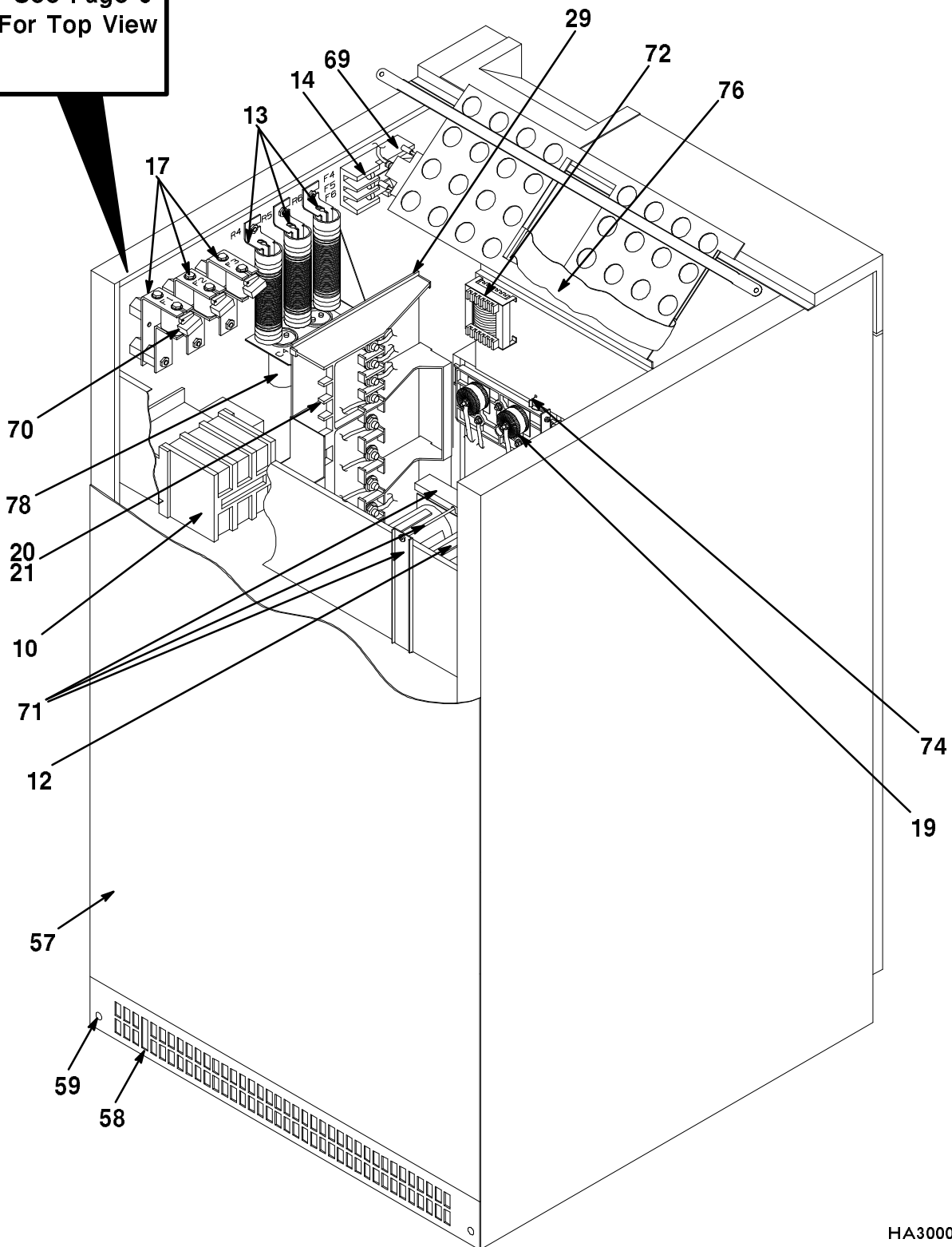
**Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 3 of 8)**



HA3000-01C-IL

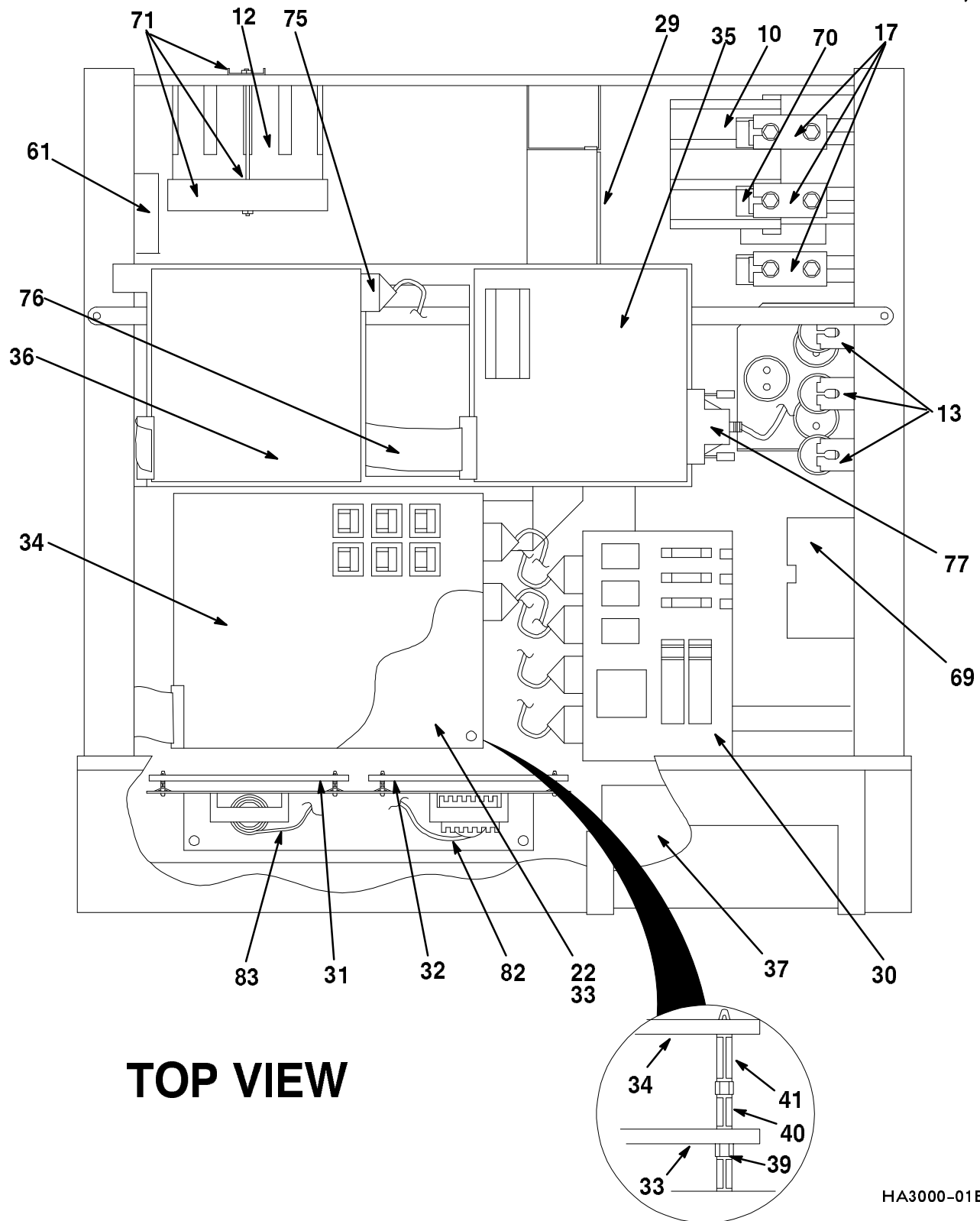
**Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 4 of 8)**

See Page 6  
For Top View



HA3000-01D-IL

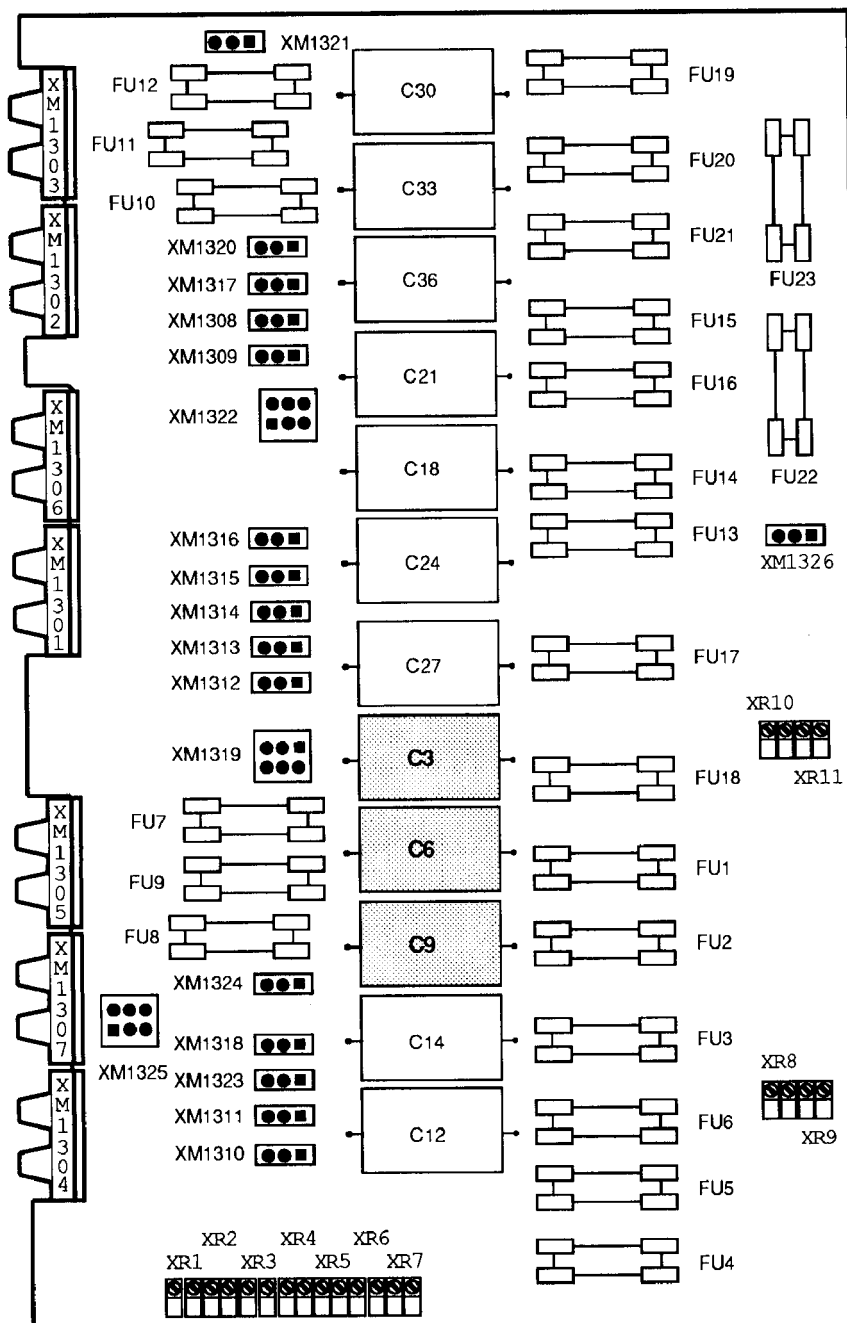
**Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 5 of 8)**



HA3000-01E-IL

Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 6 of 8)





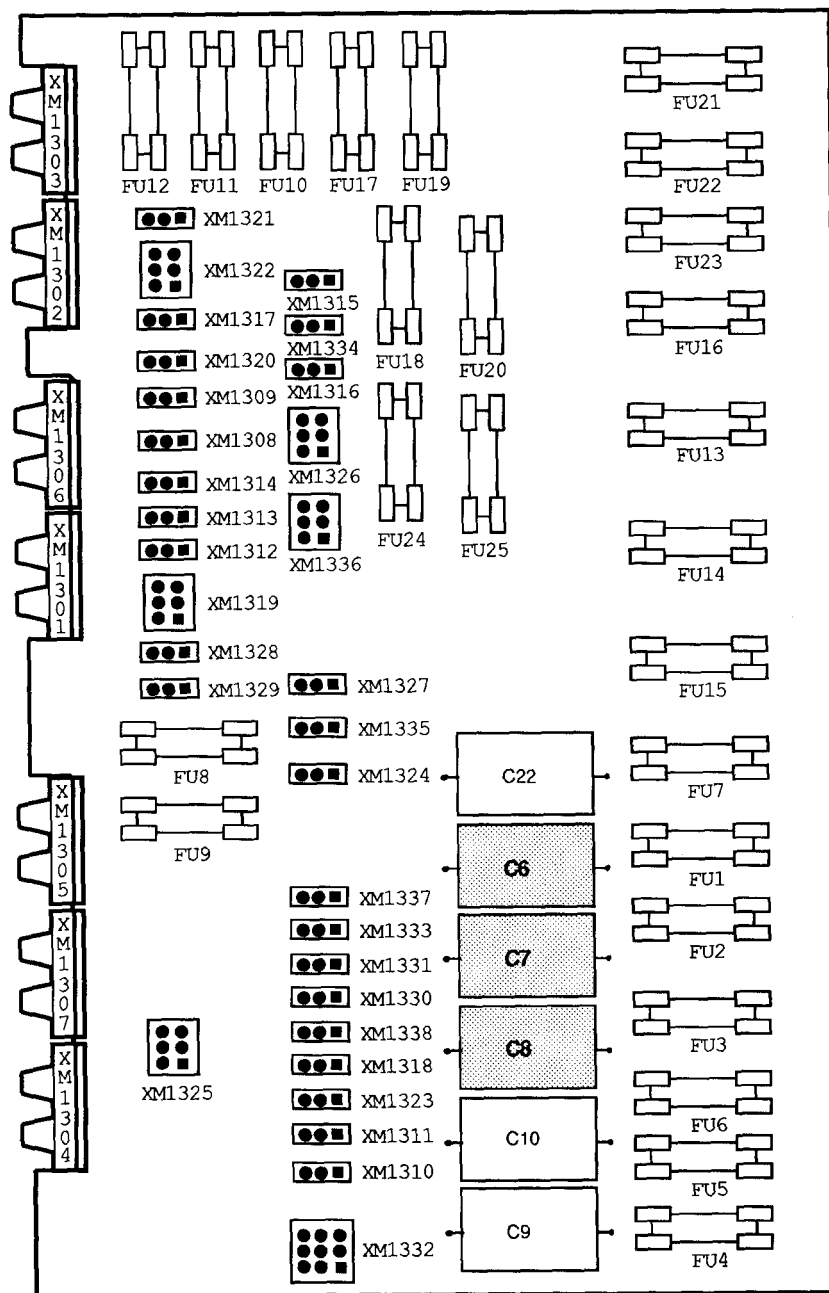
FILO Board  
(Early Model)

NOTE: Fuses FU1, FU2, FU6, FU9, And FU13 Through FU16 Are 5A 600V. ( Refer to Item 16 on parts list.)

Fuses FU3 Through FU5, FU7, FU8, FU10 Through FU12 And FU17 Through FU23 Are 2A 600V. ( Refer to Item 15 on parts list.)

HA3000-01F-SC

Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 7 of 8)



FILU Board  
(Current Model)

NOTE: Fuses FU1, FU2, FU6, FU7, And FU13 Through FU20 Are  
5A 600V. (Refer to Item 16 on parts list.)  
Fuses FU3 Through FU5, FU8 Through FU12, And FU21  
Through FU25 Are 2A 600V. (Refer to Item 15 on parts list.)

HA3000-02G-SC

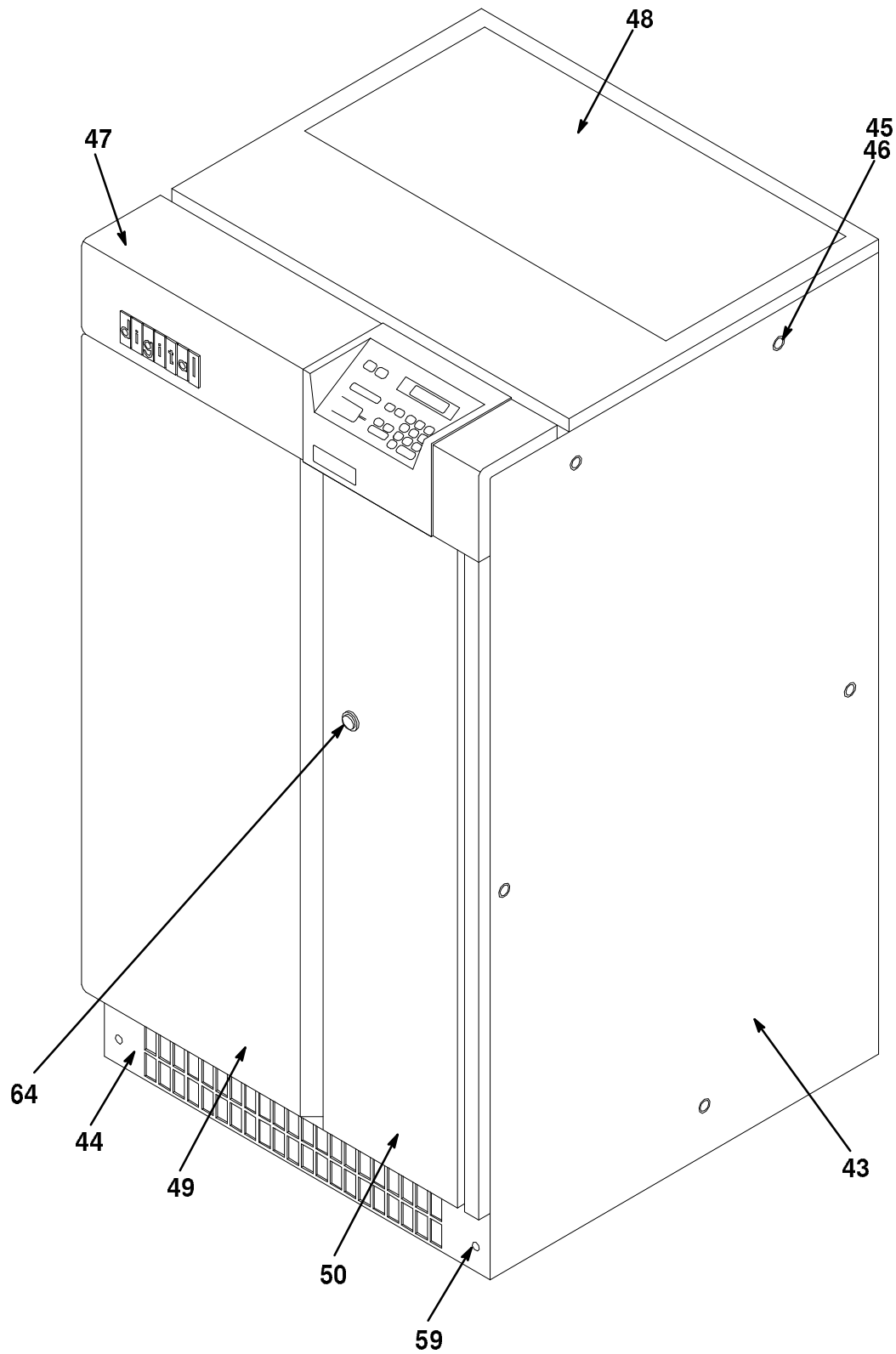
Figure 1. HA3000 UPS Cabinet (20 kVA) (Sheet 8 of 8)

FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
1-	HA3000 UPS CABINET (20 kVA)				
	Code A – Used on Model HA32A-AH 20 kVA 208/208	20-144022-22	HA32A-AH	A	
	Code B – Used on Model HA32A-BK 20 kVA 408/208	20-144022-42	HA32A-BH	B	
	Code C – Used on Model HA32A-CK 20 kVA 480/480	20-144022-44	HA32A-CH	C	
1	*Filter, Air (18 x 18 x1)	04-23066	29-27329-02		
2	*Cable, Ribbon (Card Cage)	6716330	29-27416-01		
3	*Module, Charger	6730020CB	29-27314-01		
4	*Door Axle (Top)	6716209	29-27419-01		
5	*Door Axle (Bottom)	6716017	29-27420-01		
6	*Module, Inverter	6730020MU	29-27309-01		
7	*Switch, Static (20 kVA 208V AC Output)	6730401T	29-27319-01	A, B	
	*Switch, Static (20 kVA 408V AC Output)	6730801F	29-27322-01	C	
8	*Blower Assembly (20 kVA)	6730040VE	29-27313-01		
9	*Hinge, EPS	04-28017			
10	*Contactor, 60A 600V, DC Coil (K3N)	04-08572	29-27343-01	C	
	*Contactor, 40A 600V, DC Coil (K3N)	04-08571	29-27342-01	A, B	
11	*Capacitor Assembly, AC 20 kVA, 208	72-1455520-00	29-27324-01	A, B	
	*Capacitor Assembly, AC 20 kVA, 480	72-1455620-00	29-27325-01	C	
12	*Module, Capacitor, DC (1 Four Pack)	6733200BC	29-27415-01		
13	*Resistor, 27 ohm 200W (R4, R5, R6)	0864454	13-31781-01		
14	*Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	12-31780-01		
15	*Fuse, 2A 600V (FILx) (See note on page 7 or 8 for fuse locations.) (Qty 10)	87-144000-02	12-31783-01		
16	*Fuse, 5A 600V 20-80 kVA (See note on page 7 or 8 for fuse locations.)		12-31783-03		
17	*Fuse, 100A 600V 208 (F1, F2, F3)	04-22058-10	12-31782-02	A, B	
	*Fuse, 63A 600V 480 (F1, F2, F3)	04-22058-06	12-31782-01	C	
18	*Terminal Block, 12 Point (TB1, TB2, TB3)	04-76024			
19	*Transformer, Current Hall Effect(CT3, CT4)	6730281	29-27418-01		
20	*Transformer, 100/1	6730491	29-27331-01	A, B	
21	*Transformer, 50/1	6730490	29-27330-01	C	
22	*Washer, Belleville 5/16 (Not Shown)	04-73327			
23	*Washer, Belleville 1/4 (Not Shown)	04-73321			
24	*Card Cage	6730526	29-27411-01		
25	*Module, ALIP	6716790	29-27299-01		
26	*Module, CHAP	6716702	29-27300-01		
27	*Module, ODUP	6716750	29-27301-01		
28	*Module, CANP	6716710U	29-27302-01		
29	*Module, FILO (Early Model)	6730730	29-27323-01		
	*Module, FILU (Current Model)	6719162			
30	*Module, TACO	6730180	29-27303-01		
31	*Module, FMUP	6716888			

FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
32	*Module, FALP	6716883			
33	*Module, AQCT (280V AC Input)	6730714T	29-27304-01	A	
	*Module, AQCF (480V AC Input)	673071F	29-27306-01	B, C	
34	*Module, AQOT (280V AC Output)	6730706T	29-27305-01	A, B	
	*Module, AQOF 480V AC Output)	6730706F	29-27307-01	C	
35	*Module, DIFP	6716870	29-28004-01		
36	*Module, DISP	6716866	29-28005-01		
37	*Module, Display AFIO	6730525	29-27308-01		
38	*Module, Electronic Key (To XM1306) (See Note)		29-28129-01		
39	*Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181			
40	*Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182			
41	*Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183			
42	*Rail, Guide	6730398			
43	*Panel, Side (R/L)	72-140200-03			
44	*Panel, Front Kick	72-140211-09			
45	*Screw (Side Panel)	04-73045			
46	*Washer	04-73315			
47	*Panel, Top Front	72-140390-08			
48	*Panel, Top	72-140391-08			
49	*Door, Left	72-140340-03			
50	*Door, Right	72-140341-03			
51	*Nut, Tinnerman No. 10-32	04-73350			
52	*Breaker, Circuit 90A 24V DC ST	04-19311-628			
53	*Breaker, Circuit 40A 24V DC ST	04-19311-624			
54	*Breaker, Circuit 100A 24V DC ST	04-19311-620			
55	*Switch, 125A (Q3BP, Q5N)	04-19301-651			
56	*Handle	04-72184			
57	*Panel, Rear	72-140210-08			
58	*Panel, Rear Kick	72-140215-09			
59	*Screw, (Kickpanel) (Front/Rear	04-73155			
60	*Plate, Base	71-145417-00			
61	*Transformer, (T5) 480V Output Only	72-140516-00			
	*Transformer, (T6) 480V Output	04-77224			
	*Transformer, (T6) 380V Output	04-77225			
	*Transformer, (T6) 415V Output	04-77226			
62	*Backplate, Plastic	6730399			
63	*Switch, Thermal	04-22009			
64	*Door Lock Assembly	04-93502			
	Note: Used For Trouble Shooting Only, Not Part Of This Unit.				

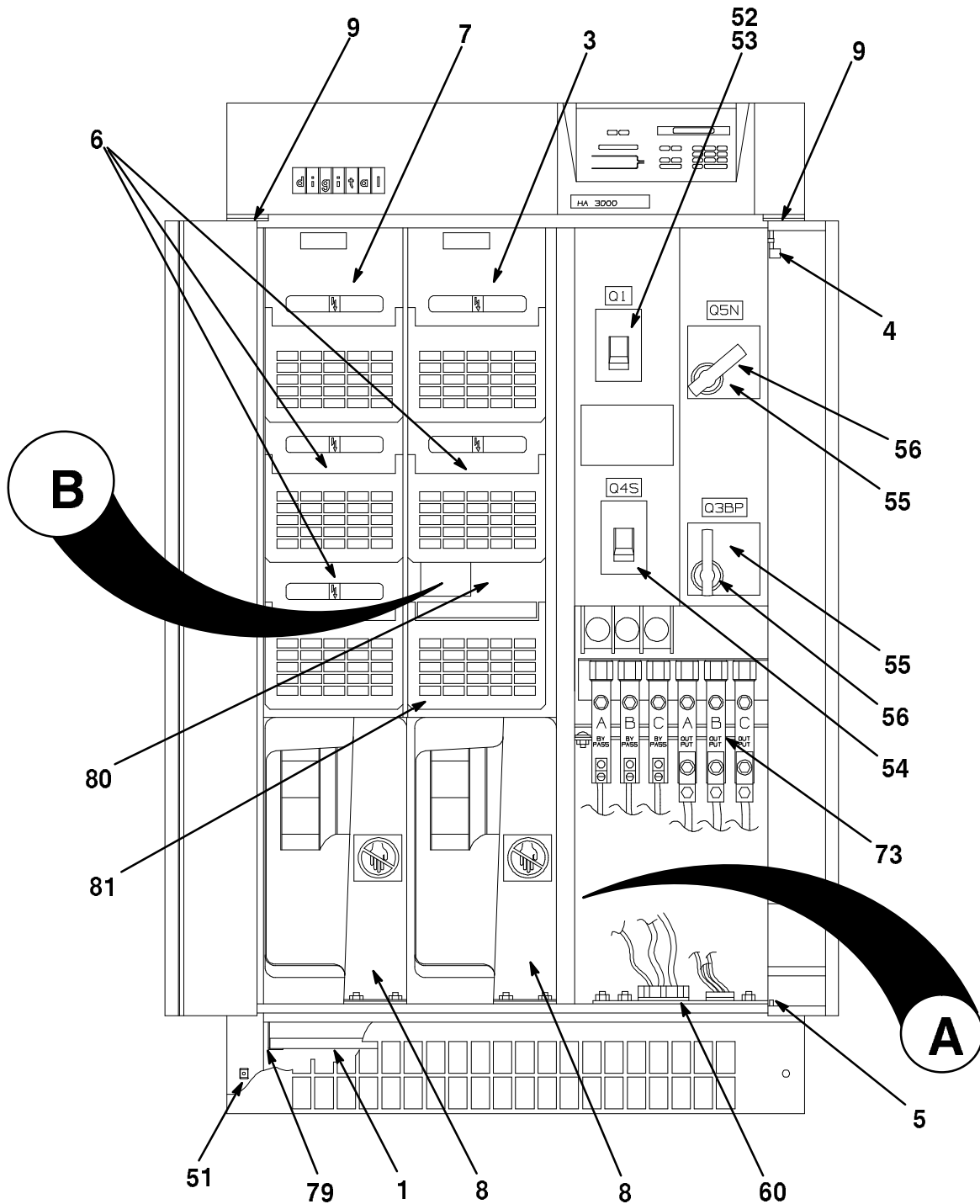
FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
65	*Standoff (1")	04-32002	10-31779-01		
66	*Inductor, Input 480/208	8-96040-83			
	*Inductor, Input 208/208	8-96040-81			
67	*Insulator, Haysite	71-145815-00			
68	*Bushing	04-32022			
69	*Fuseblock	04-22045			
70	* Switch, Fuse Indicator	04-22020			
71	*Shield, DC Capacitor Kit	72-145100-20			
72	*Cable Assembly, w/ Ferrite Shield	72-145921-00			
73	*Filter Assembly, EMI	72-145830-00			
74	*Capacitor, PAP (C28)	04-08082			
75	*Cable, Communications	04-88014-01			
76	*Cable, Ribbon	72-145865-00			
77	*Cable, (RS232)	04-11043			
78	*Capacitor, 15UF 6% 550V AC (C4-C6)	04-08067			
79	*Bracket, Filter (Order two for a set)	71-145814			
80	*Cover, Card Cage	71-145814-00			
81	*Deflector, Air	6716295			
82	*Cable Assembly, w/ Ferrite Shield	72-145928-01			
83	*Cable Assembly, w/ Ferrite Shield	72-145923-01			
84	*Fuse, 6A 600V (Not Shown)	12-31783-02			
KITS, WIRE HARNESS					
	*KIT, WIRE HARNESS CONTROL (20kVA)	72-144093-03			
	**Cable, Control (XM2101 to XM33)	04-88016-02			
	**Cable, Power (XM2104 to XM16)	04-88015-05			
	**Cable, Control (XM2002 to XM85)	04-88016-11			
	*KIT, WIRE HARNESS FILU CONTROL	72-144092-00			
	**Cable, Power (XM1303 to XM66)	04-88015-01			
	**Cable, Control (XM1302 to XM63)	04-88016-09			
	**Cable, Power (XM2106 to XM1301)	04-88015-03			
	**Cable, Power (XM5004 to XM1305)	04-88015-02			
	**Cable, Control (XM1304 to XM54)	04-88016-07			
	**Cable, Control (XM1307-XM151)	04-88016-10			
	**Cable, Power (XM5005 to XM56)	04-88015-04			
	**Cable, Control (XM5007 to XM43)	04-88016-08			

**THIS PAGE INTENTIONALLY LEFT BLANK**



HA3000-02-IL

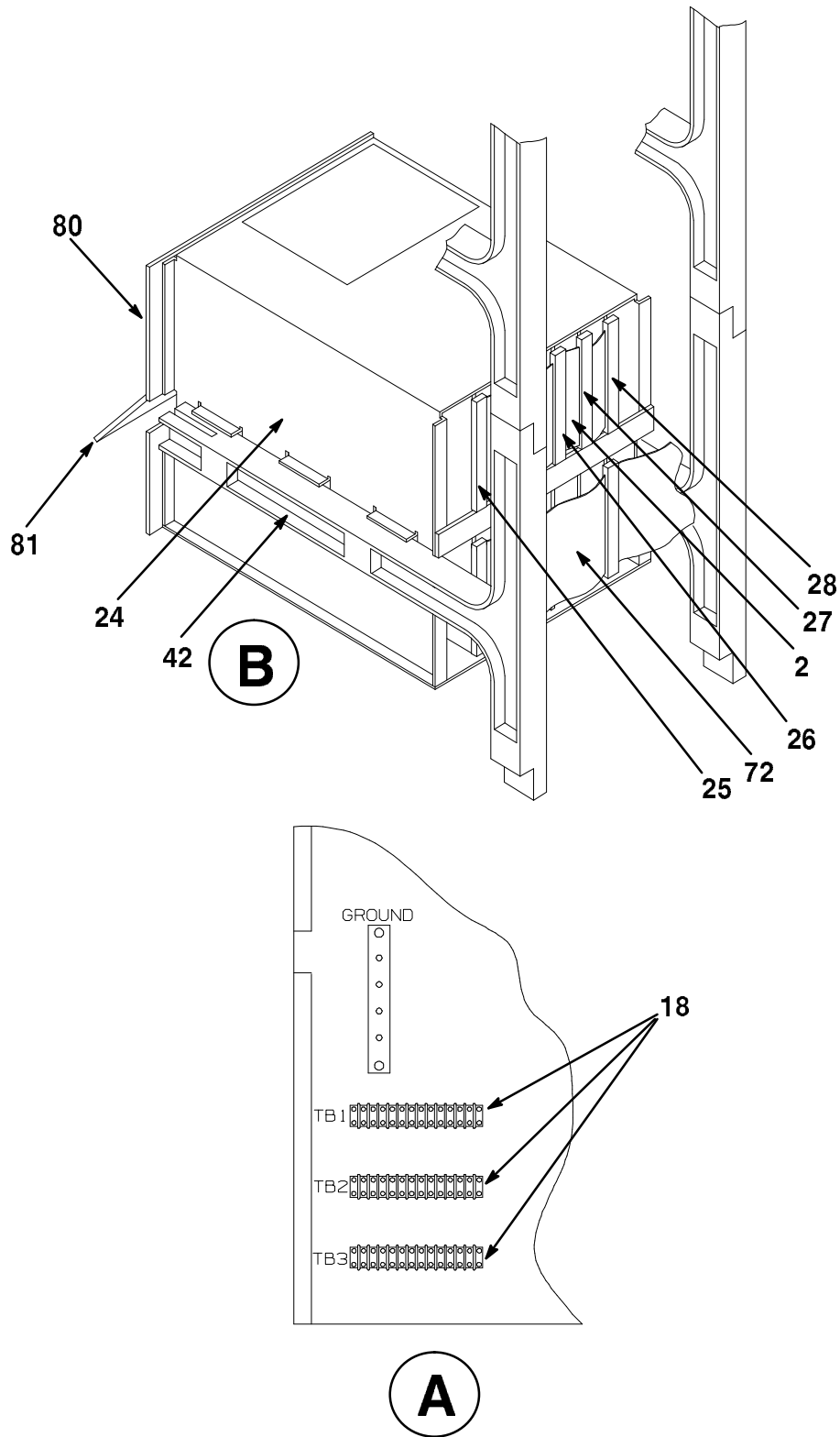
**Figure 2. HA3000 UPS Cabinet (40kVA) (Sheet 1 of 8)**



HA3000-02A-IL

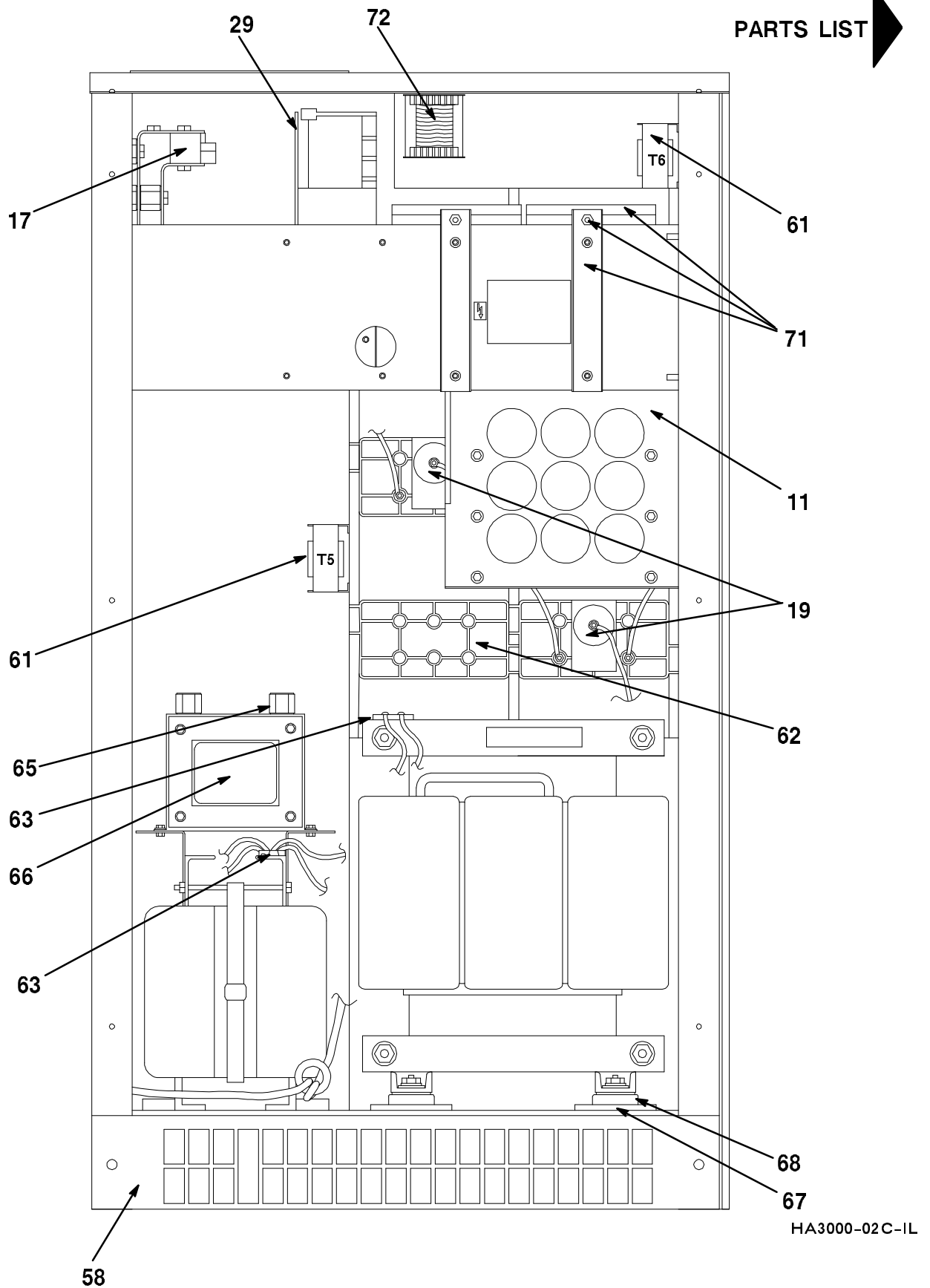
**Figure 2. HA3000 UPS Cabinet (40kVA) (Sheet 2 of 8)**





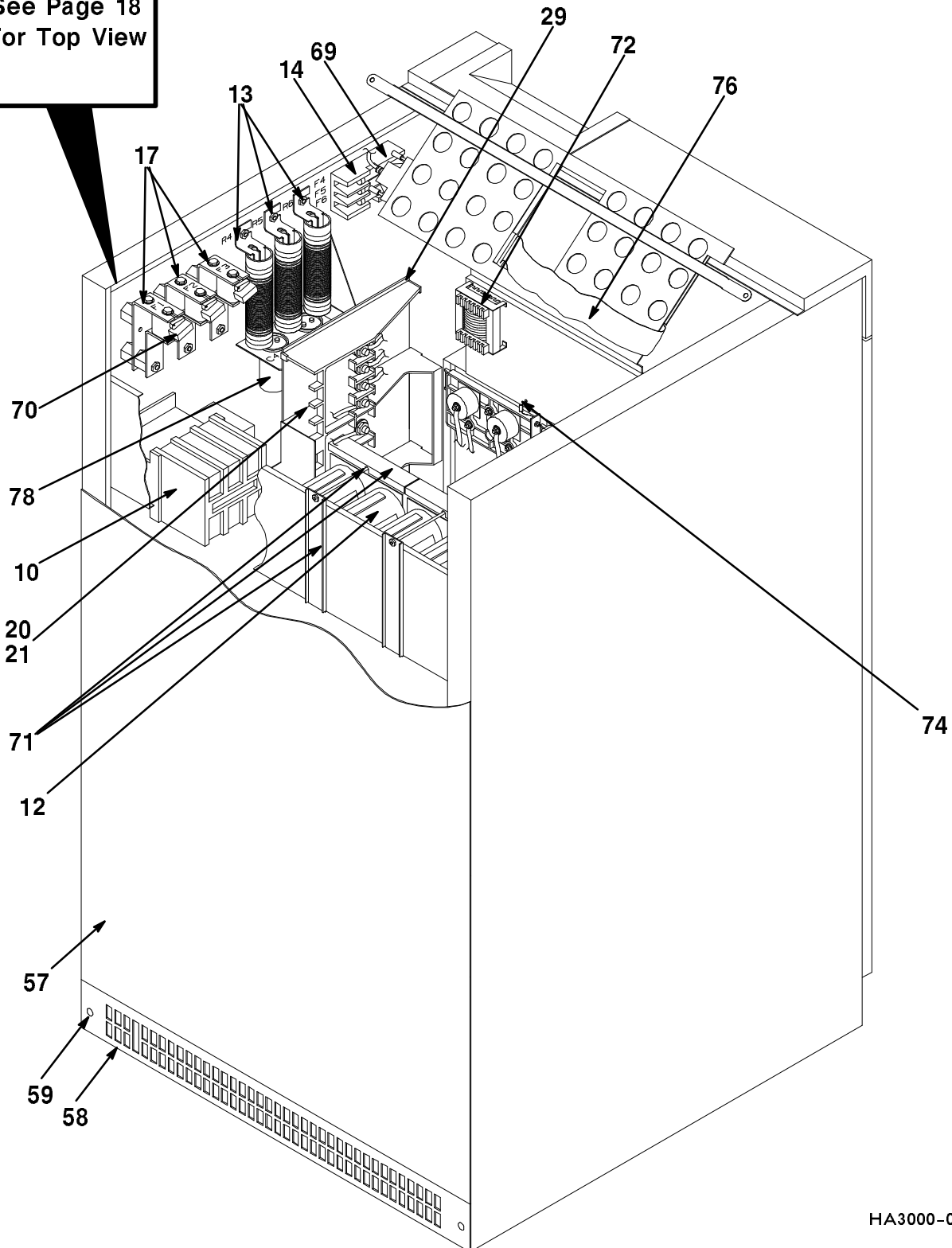
HA3000-02B-IL

**Figure 2. HA3000 UPS Cabinet (40 kVA) (Sheet 3 of 8)**



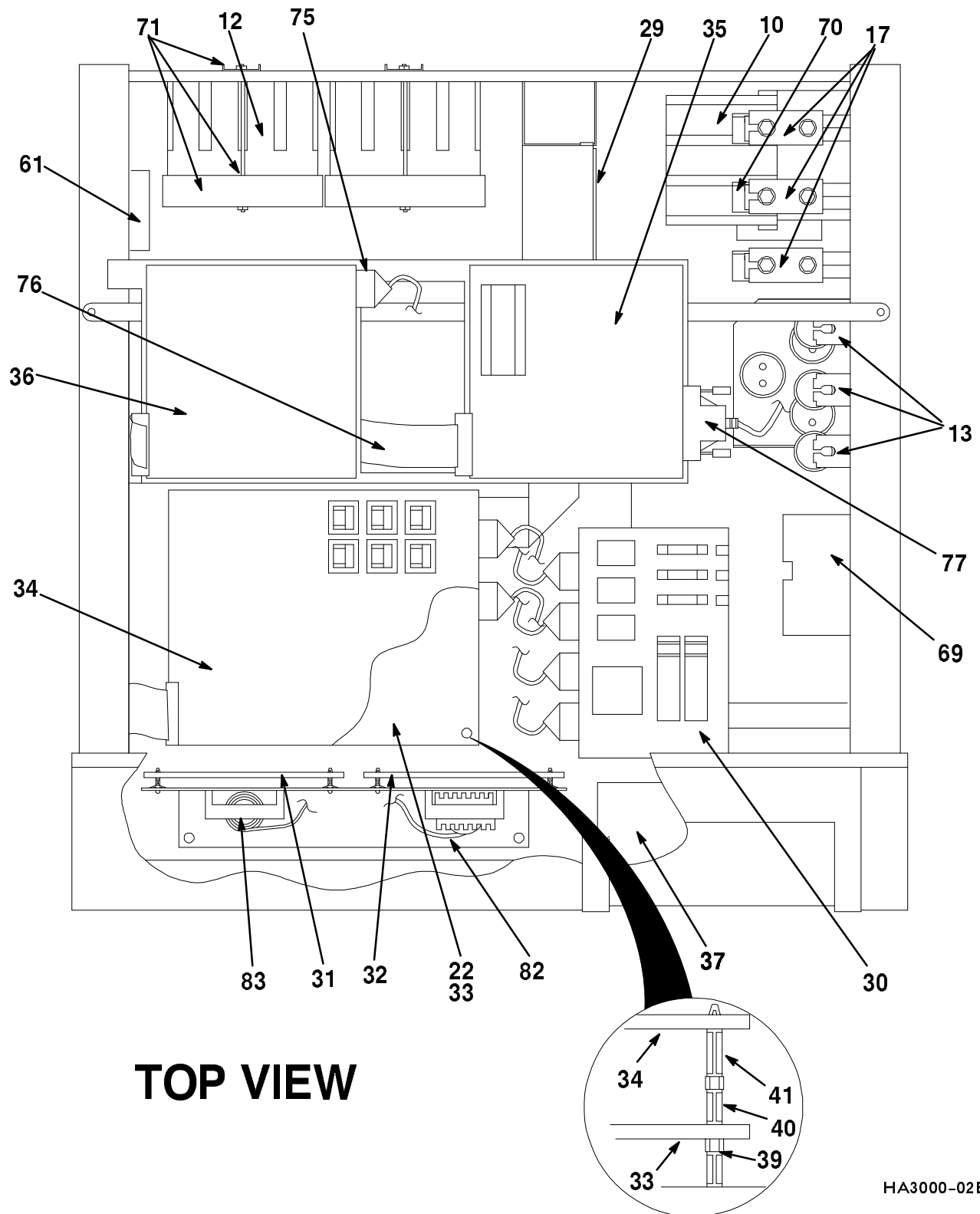
**Figure 2. HA3000 UPS Cabinet (40kVA) (Sheet 4 of 8)**

See Page 18  
For Top View



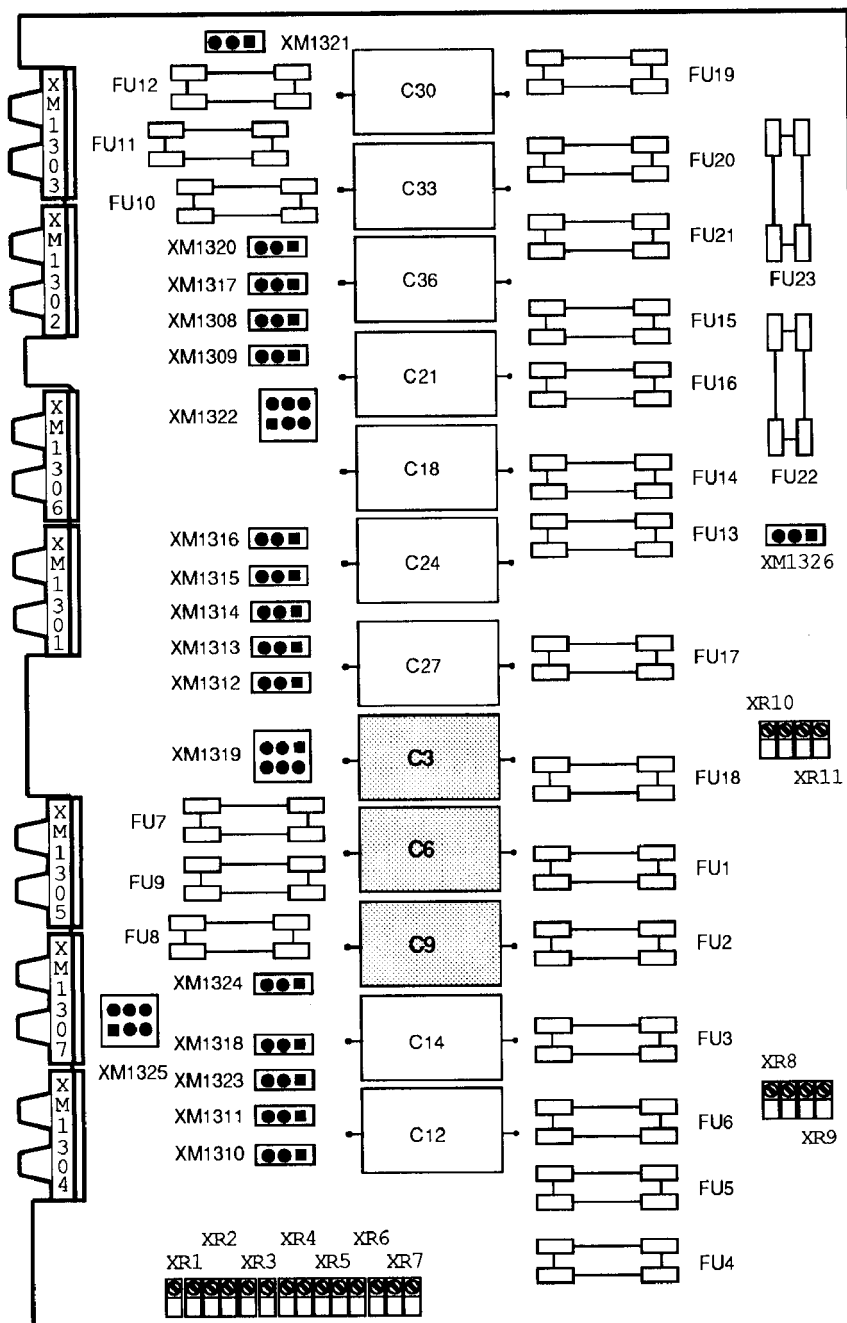
HA3000-02D-IL

**Figure 2. HA3000 UPS Cabinet (40kVA) (Sheet 5 of 8)**



HA3000-02E-IL

**Figure 2. HA3000 UPS Cabinet (40kVA) (Sheet 6 of 8)**



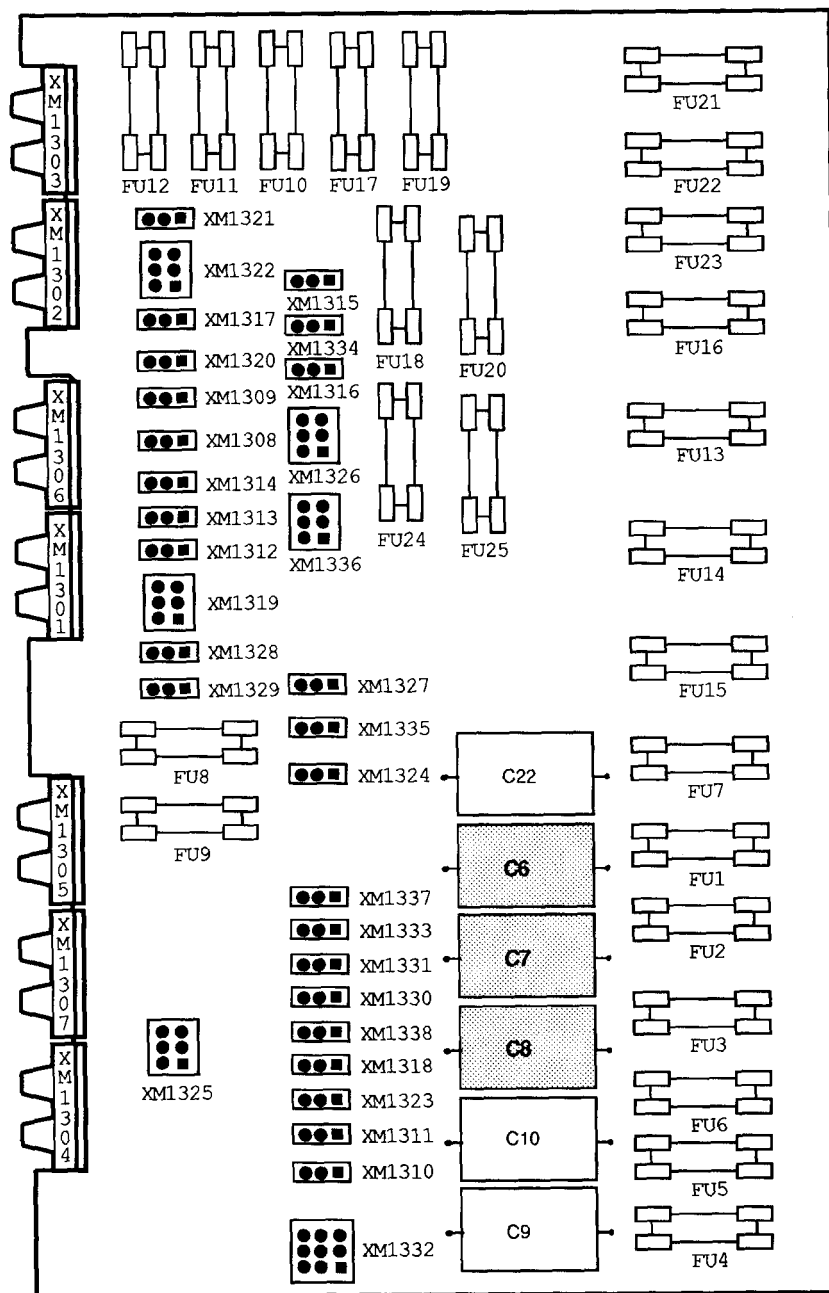
FILO Board  
(Early Model)

NOTE: Fuses FU1, FU2, FU6, FU9, And FU13 Through FU16 Are 5A 600V. (Refer to Item 16 on parts list.)

Fuses FU3 Through FU5, FU7, FU8, FU10 Through FU12 And FU17 Through FU23 Are 2A 600V. (Refer to item 15 on parts list.)

HA3000-02F-SC

Figure 2. HA3000 UPS Cabinet (40 kVA) (Sheet 7 of 8)



**FILU Board**  
(Current Model)

**NOTE:** Fuses FU1, FU2, FU6, FU7, And FU13 Through FU20 Are 5A 600V. (Refer to Item 16 on parts list.)  
Fuses FU3 Through FU5, FU8 Through FU12, And FU21 Through FU25 Are 2A 600V. (Refer to item 15 on parts list.)

HA3000-02G-SC

**Figure 2. HA3000 UPS Cabinet (40 kVA) (Sheet 8 of 8)**

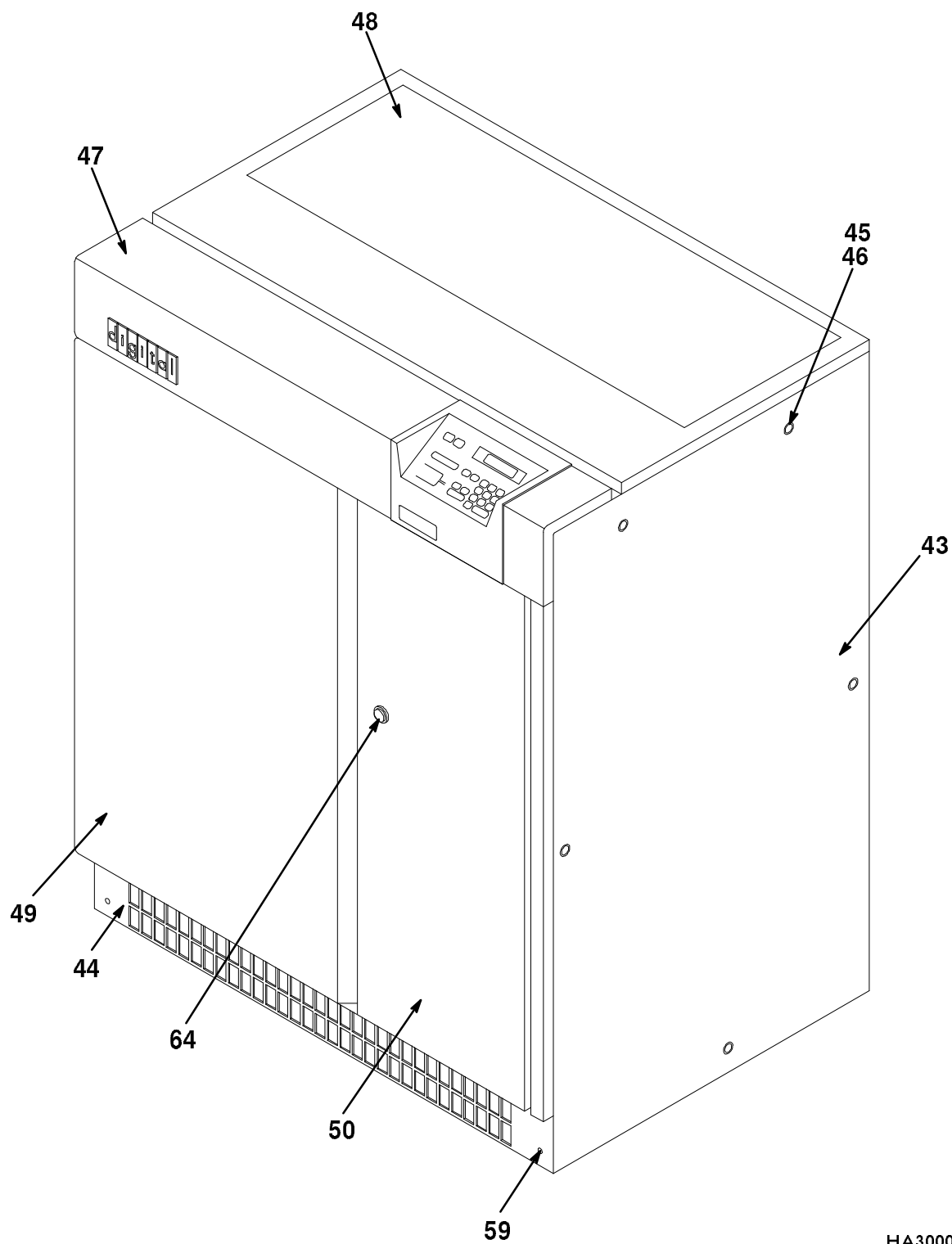
FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
2-	HA3000 UPS CABINET (40 kVA)				
	Code A – Used on Model HA32A-AK 40 kVA 208/208	20-144042-22	HA32A-AK	A	
	Code B – Used on Model HA32A-BK 40 kVA 408/208	20-144042-42	HA32A-BK	B	
	Code C – Used on Model HA32A-CK 40 kVA 480/480	20-144042-44	HA32A-CK	C	
1	*Filter, Air (18 x 18 x1)	04-23066	29-27329-02		
2	*Cable, Ribbon (Card Cage)	6716330	29-27416-01		
3	*Module, Charger	6730040CB	29-27315-01		
4	*Door Axle (Top)	6716209	29-27419-01		
5	*Door Axle (Bottom)	6716017	29-27420-01		
6	*Module, Inverter	6730040MU	29-27310-01		
7	*Switch, Static (40 kVA 208V AC Output)	6730401T	29-27319-01	A, B	
	*Switch, Static (40 kVA 408V AC Output)	6730801F	29-27322-01	C	
8	*Blower Assembly (40 kVA)	6730040VE	29-27313-01		
9	*Hinge, EPS	04-28017			
10	*Contactor, 60A 600V DC Coil (K3N)	04-08572	29-27343-01	C	
	*Contactor, 175A 600V DC Coil (K3N)	04-08573	29-27344-01	A, B	
11	*Capacitor Assembly, AC 40 kVA, 208	72-145540-00	29-27326-01	A, B	
	*Capacitor Assembly, AC 40 kVA, 408	72-145640-00	29-27327-01	C	
12	*Module, Capacitor, DC (1 Four Pack)	6733200BC	29-27415-01		
13	*Resistor, 27 ohm 200W (R4, R5, R6)	0864454	13-31781-01		
14	*Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	12-31780-01		
15	*Fuse, 2A 600V (FILx) (See note on page 19 or 20 for fuse locations.) (Qty 10)	87-144000-02	12-31783-01		
16	*Fuse, 5A 600V 20-80 kVA (See note on page 19 or 20 for fuse locations)		12-31783-03		
17	*Fuse, 160A 600V (F1, F2, F3)	04-22058-16	12-31782-03	A, B	
	*Fuse, 100A 600V (F1, F2, F3)	04-22058-10	12-31782-02	C	
18	*Terminal Block, 12 Point (TB1, TB2, TB3)	04-76024			
19	*Transformer, Current Hall Effect(CT3, CT4)	6730281	29-27418-01		
20	*Transformer, 100/1	6730491	29-27331-01		
21	*Transformer, 200/1	6730494	29-27333-01	A, B	
22	*Washer, Belleville 5/16 (Not Shown)	04-73327			
23	*Washer, Belleville 1/4 (Not Shown)	04-73321			
24	*Card Cage	6730526	29-27411-01		
25	*Module, ALIP	6716790	29-27299-01		
26	*Module, CHAP	6716702	29-27300-01		
27	*Module, ODUP	6716750	29-27301-01		
28	*Module, CANP	6716710U	29-27302-01		
29	*Module, FILO (Early Model)	6730730	29-27323-01		
	*Module, FILU (Current Model)	6719162			
30	*Module, TACO	6730180	29-27303-01		

FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
31	*Module, FMUP	6716888			
32	*Module, FALP	6716883			
33	*Module, AQCT (208V AC Input)	6730714T	29-27304-01	A	
	*Module, AQCF (480V AC Input)	6730714F	29-27306-01	B, C	
34	*Module, AQOT (208V AC Output)	6730706T	29-27305-01	A, B	
	*Module, AQOF (480V AC Output)	6730706F	29-27307-01	C	
35	*Module, DIFP	6716870	29-28004-01		
36	*Module, DISP	6716866	29-28005-01		
37	*Module, Display AFIO	6730525	29-27308-01		
38	*Module, Electronic Key (To XM1306) (See Note)		29-28129-01		
39	*Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181			
40	*Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182			
41	*Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183			
42	*Rail, Guide	6730398			
43	*Panel, Side (R/L)	72-140200-03			
44	*Panel, Front Kick	72-140211-09			
45	*Screw (Side Panel)	04-73045			
46	*Washer	04-73315			
47	*Panel, Top Front	72-15825-00			
48	*Panel, Top	72-140391-08			
49	*Door, Left	72-140340-03			
50	*Door, Right	72-140341-03			
51	*Nut, Tinnerman No. 10-32	04-73350			
52	*Breaker, Circuit 90A 24V DC ST	04-19311-628			
53	*Breaker, Circuit 40A 24V DC ST	04-19311-624			
54	*Breaker, Circuit 100A 24V DC ST	04-19311-620			
55	*Switch, 125A (Q3BP, Q5N)	04-19301-651			
56	*Handle	04-72184			
57	*Panel, Rear	72-140210-08			
58	*Panel, Rear Kick	72-140215-09			
59	*Screw, (Kickpanel)(Front/Rear)	04-73155			
60	*Plate, Base	71-145417-00			
61	*Transformer, (T5 )480 Output Only)	72-140516-00			
	*Transformer, (T6) 480V Output	04-77224			
	*Transformer, (T6) 380V Output	04-77225			
	*Transformer, (T6) 415V Output	04-77226			
62	*Backplate, Plastic	6730399			
63	*Switch, Thermal	04-22009			
64	*Door Lock Assembly	04-93502			
	Note: Used For Trouble Shooting Only, Not Part Of This Unit.				



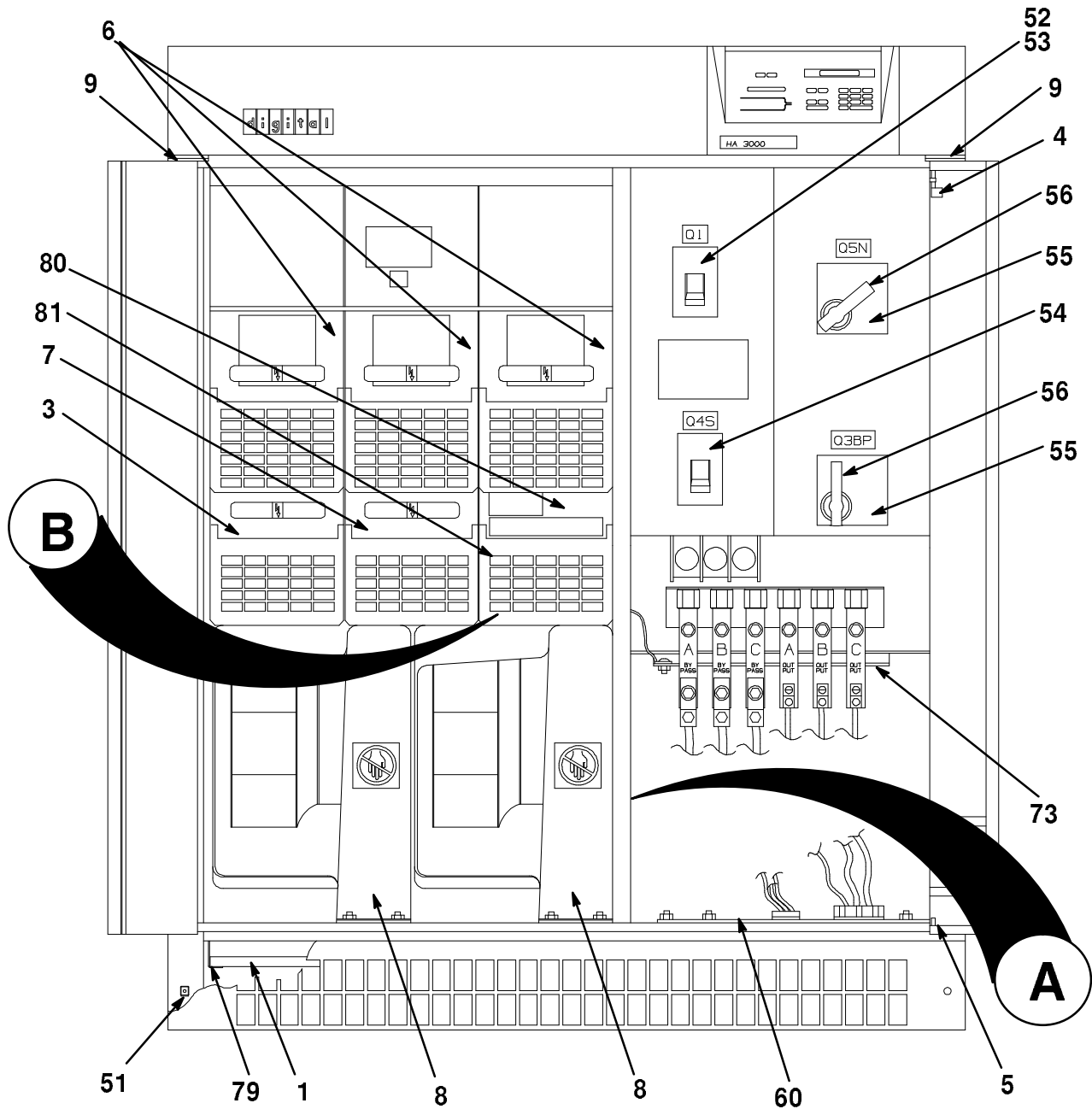
FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
65	*Standoff (1")	04-32002			
66	*Inductor, Input 480/208	8-96040-81			
	*Inductor, Input 208/208	8-96040-81			
67	*Insulator, Haysite	71-145815-00			
68	*Bushing	04-32022			
69	*Fuseblock	04-22045			
70	* Switch, Fuse Indicator	04-22020			
71	*Shield, DC Capacitor Kit	72-145100-40			
72	*Cable Assembly, w/ Ferrite Shield	72-145921-00			
73	*Filter Assembly, EMI	72-145830-00			
74	*Capacitor, PAP (C28)	04-08082			
75	*Cable, Communications	04-88014-01			
76	*Cable, Ribbon	72-145865-00			
77	*Cable, (RS232)	04-11043			
78	*Capacitor, 15UF 6% 550V AC (C4-C6)	04-08067	10-31779-01		
79	*Bracket, Filter (Order two for a set)	71-145814			
80	*Cover, Card Cage	71-145814-00			
81	*Deflector, Air	6716295			
82	*Cable Assembly w/ Ferite Shield	72-145928-01			
83	*Cable Assembly, w/ Ferrite Shield	72-145923-01			
84	*Fuse, 6A 600V (Not Shown)	12-31783-02			
	KITS, WIRE HARNESS				
	*KIT, WIRE HARNESS CONTROL (40kVA)	72-144093-02			
	**Cable, Control (XM2101 to XM33)	04-88016-02			
	**Cable, Power (XM2104 to XM16)	04-88015-05			
	**Cable, Control (XM2004 to XM83)	04-88016-04			
	**Cable, Control (XM2003 to XM83)	04-88016-05			
	**Cable, Control (XM2002 to XM83)	04-88016-12			
	*KIT, WIRE HARNESS FILU CONTROL	72-144092-00			
	**Cable, Power (XM1303 to XM66)	04-88015-01			
	**Cable, Control (XM1302 to XM63)	04-88016-09			
	**Cable, Power (XM2106 to XM1301)	04-88015-03			
	**Cable, Power (XM5004 to XM1305)	04-88015-02			
	**Cable, Control (XM1307-XM151)	04-88016-10			
	**Cable, Control (XM1304 to XM54)	04-88016-07			
	**Cable, Power (XM5005 to XM56)	04-88015-04			
	**Cable, Control (XM5007 to XM43)	04-88016-08			

**THIS PAGE INTENTIONALLY LEFT BLANK**



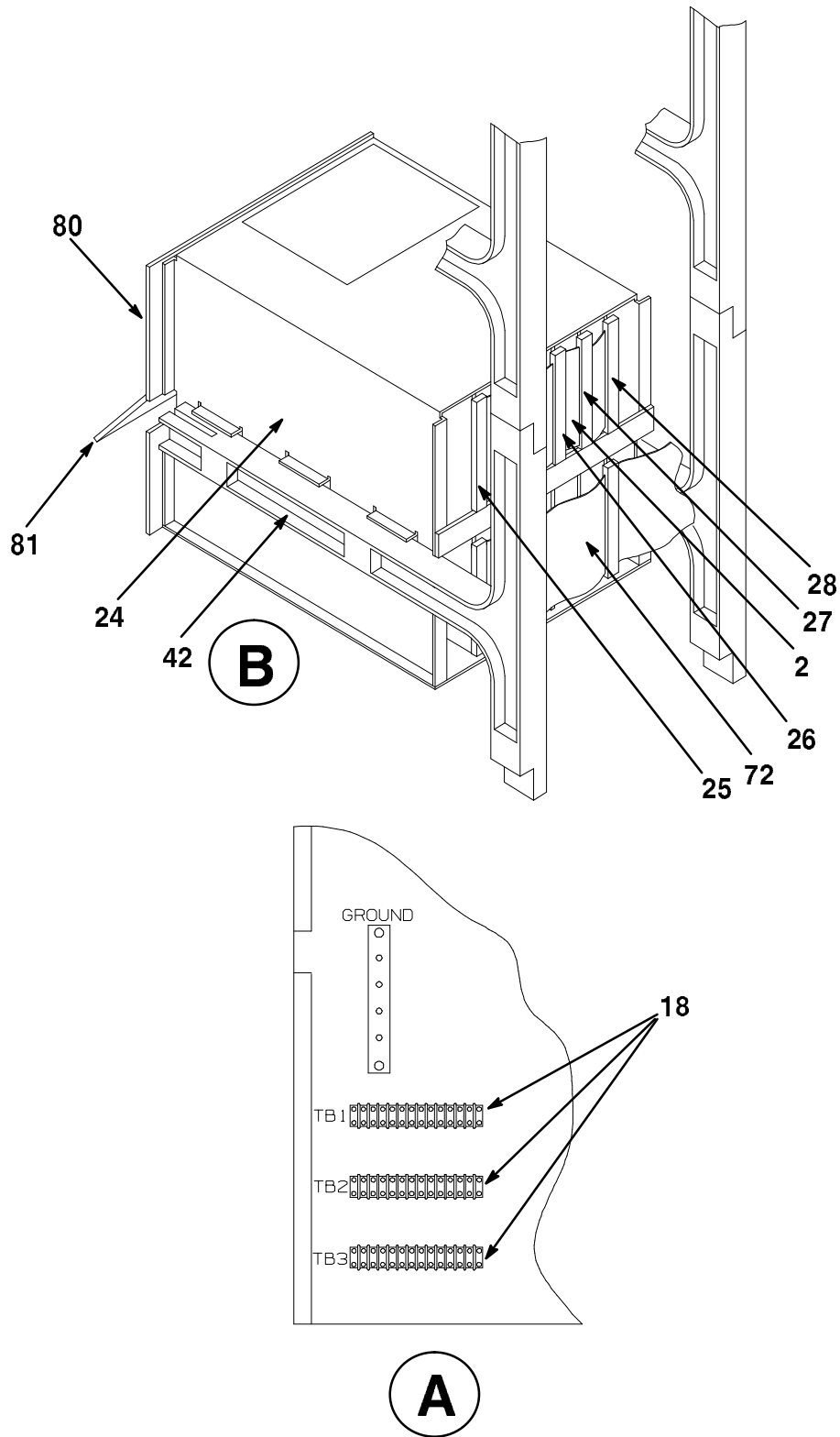
HA3000-03-IL

**Figure 3. HA3000 UPS Cabinet (60 kVA) (Sheet 1 of 8)**



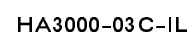
HA3000-03A-IL

**Figure 3. HA3000 UPS Cabinet (60kVA) (Sheet 2 of 8)**



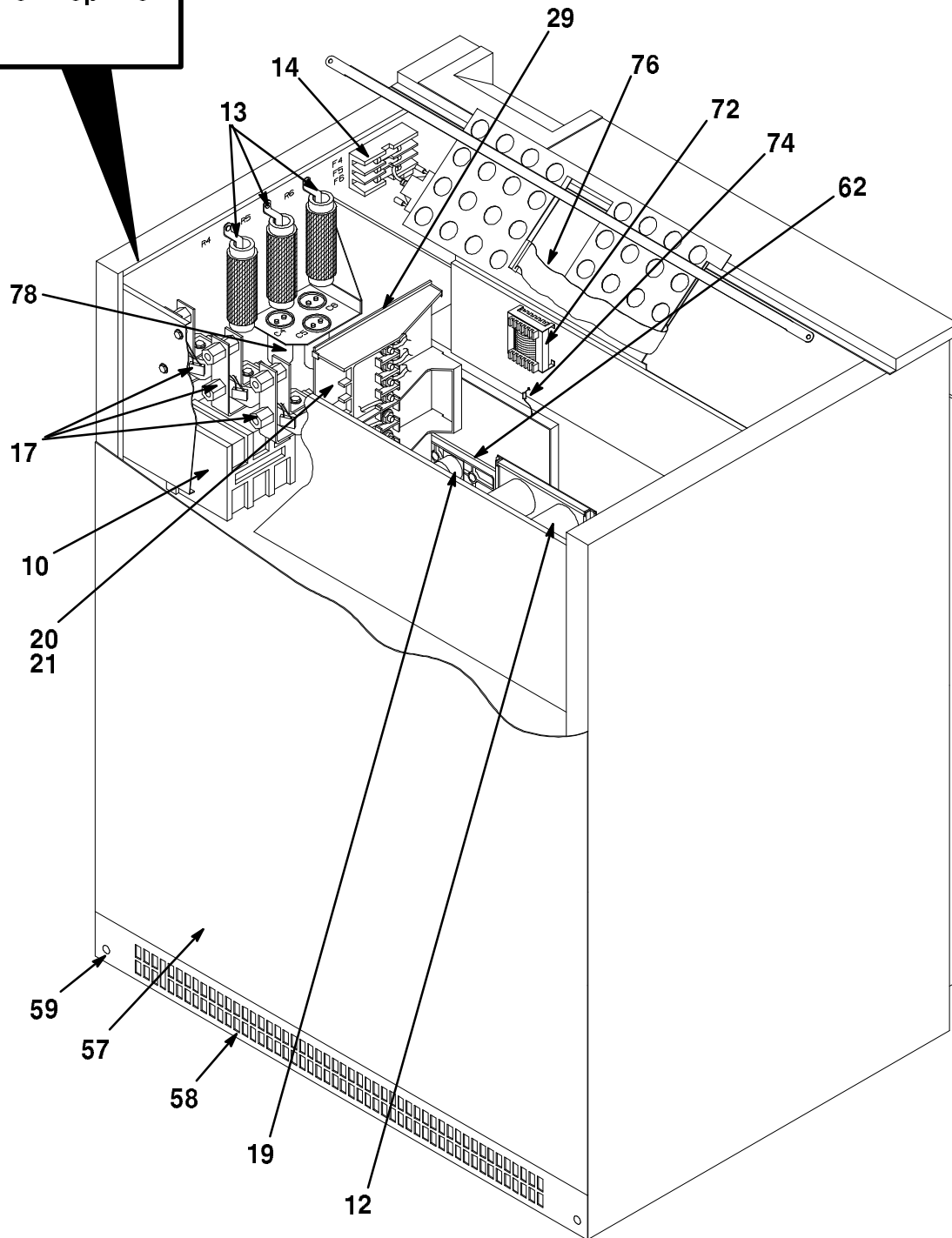
HA3000-03B-IL

**Figure 3. HA3000 UPS Cabinet (60 kVA) (Sheet 3 of 8)**



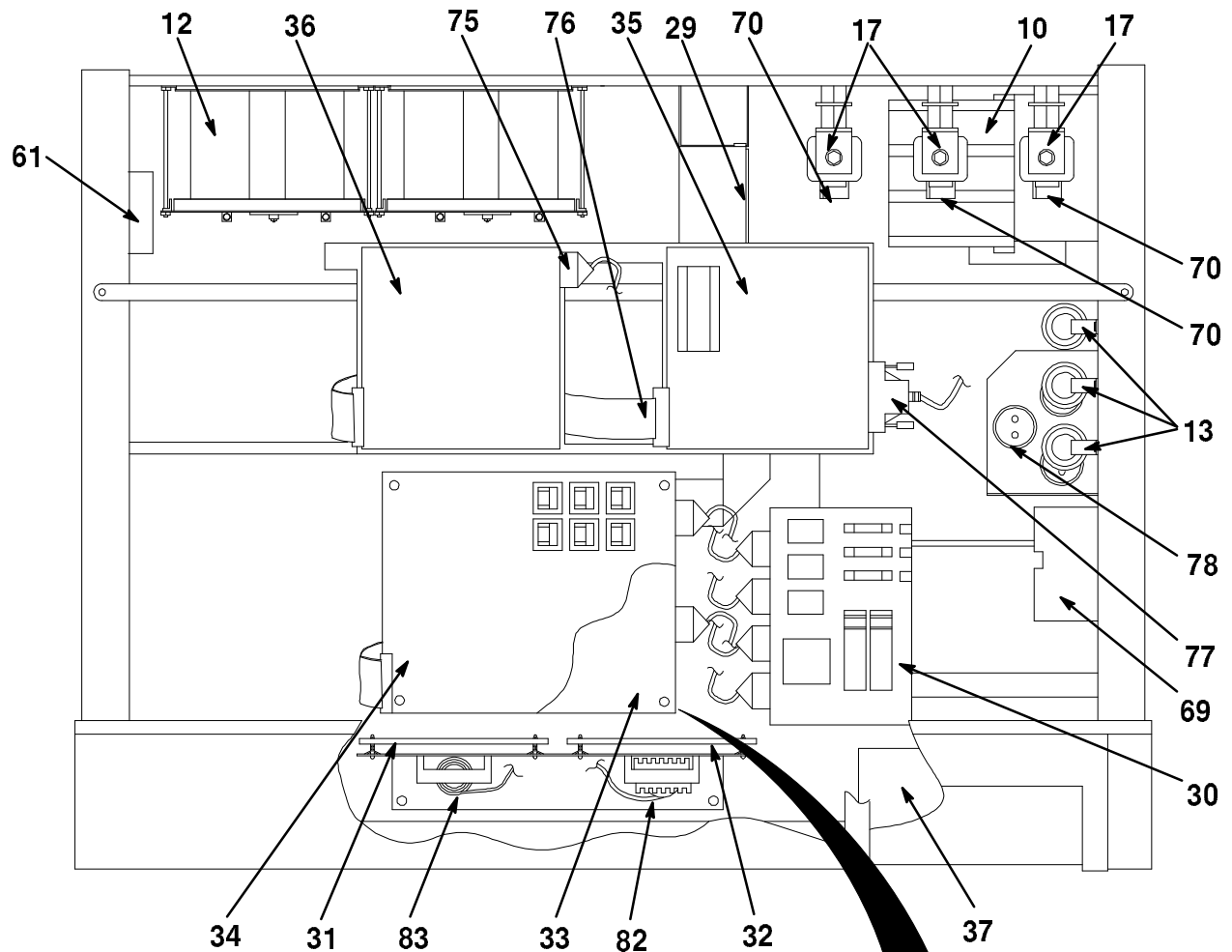
**Figure 3. HA3000 UPS Cabinet (60kVA) (Sheet 4 of 8)**

See Page 30  
For Top View



HA3000-03D-IL

**Figure 3. HA3000 UPS Cabinet (60 kVA) (Sheet 5 of 8)**

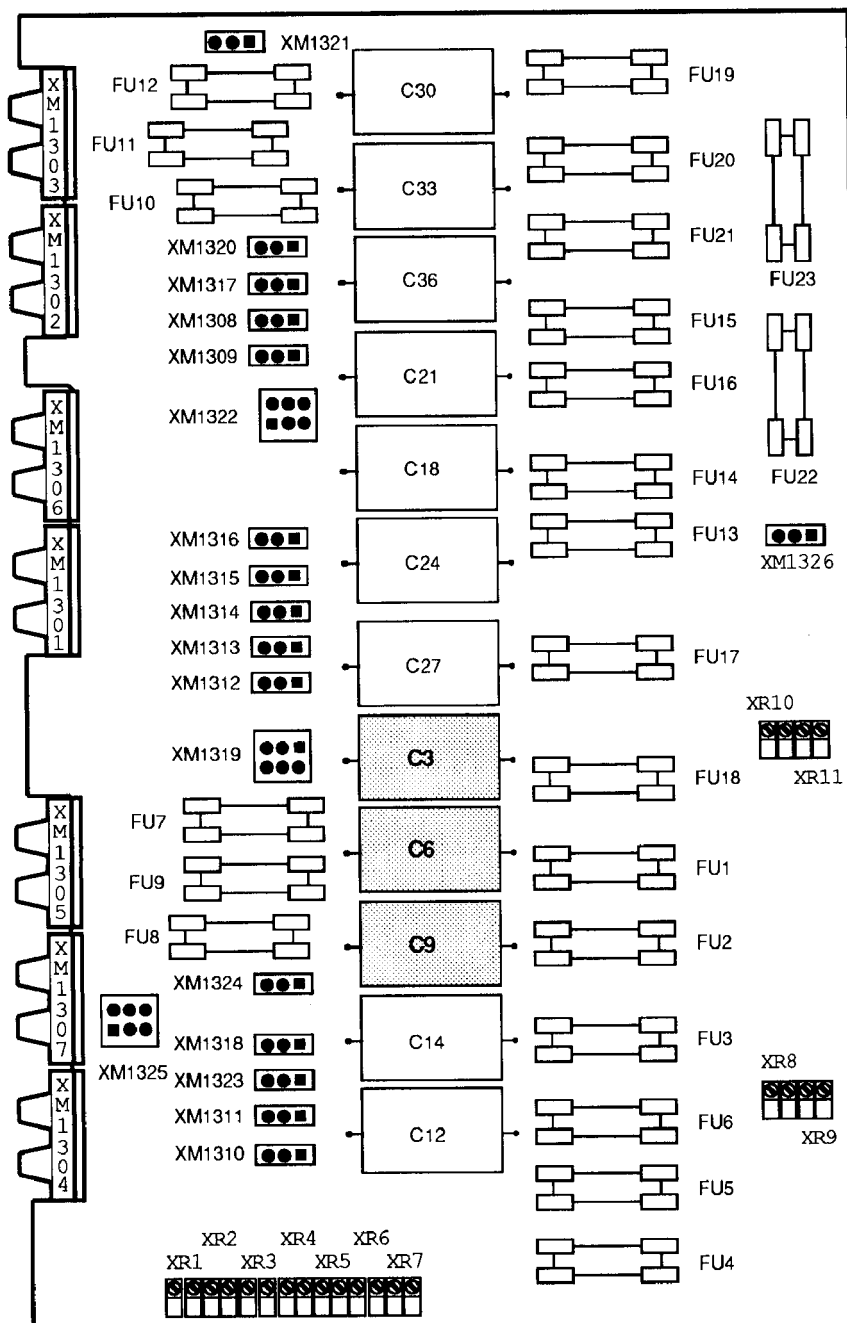


## TOP VIEW

HA3000-03E-IL

**Figure 3. HA3000 UPS Cabinet (60kVA) (Sheet 6 of 8)**





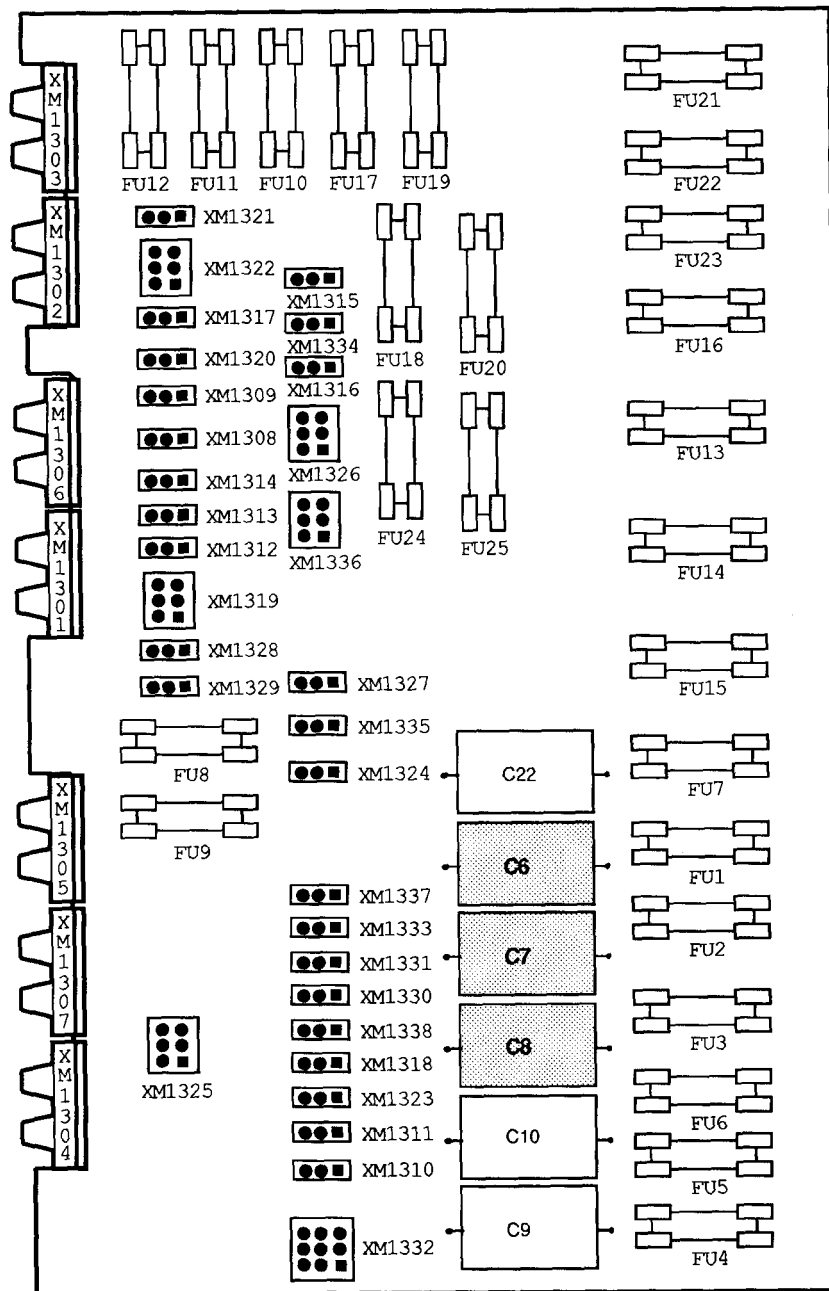
FILO Board  
(Early Model)

NOTE: Fuses FU1, FU2, FU6, FU9, And FU13 Through FU16 Are 5A 600V. (Refer to Item 16 on parts list.)

Fuses FU3 Through FU5, FU7, FU8, FU10 Through FU12 And FU17 Through FU23 Are 2A 600V. (Refer to item 15 on parts list.)

HA3000-03F-SC

Figure 3. HA3000 UPS Cabinet (60 kVA) (Sheet 7 of 8)



FILU Board  
(Current Model)

NOTE: Fuses FU1, FU2, FU6, FU7, And FU13 Through FU20 Are 5A 600V. (Refer to Item 16 on parts list.)  
Fuses FU3 Through FU5, FU8 Through FU12, And FU21 Through FU25 Are 2A 600V. (Refer to item 15 on parts list.)

HA3000-03G-SC

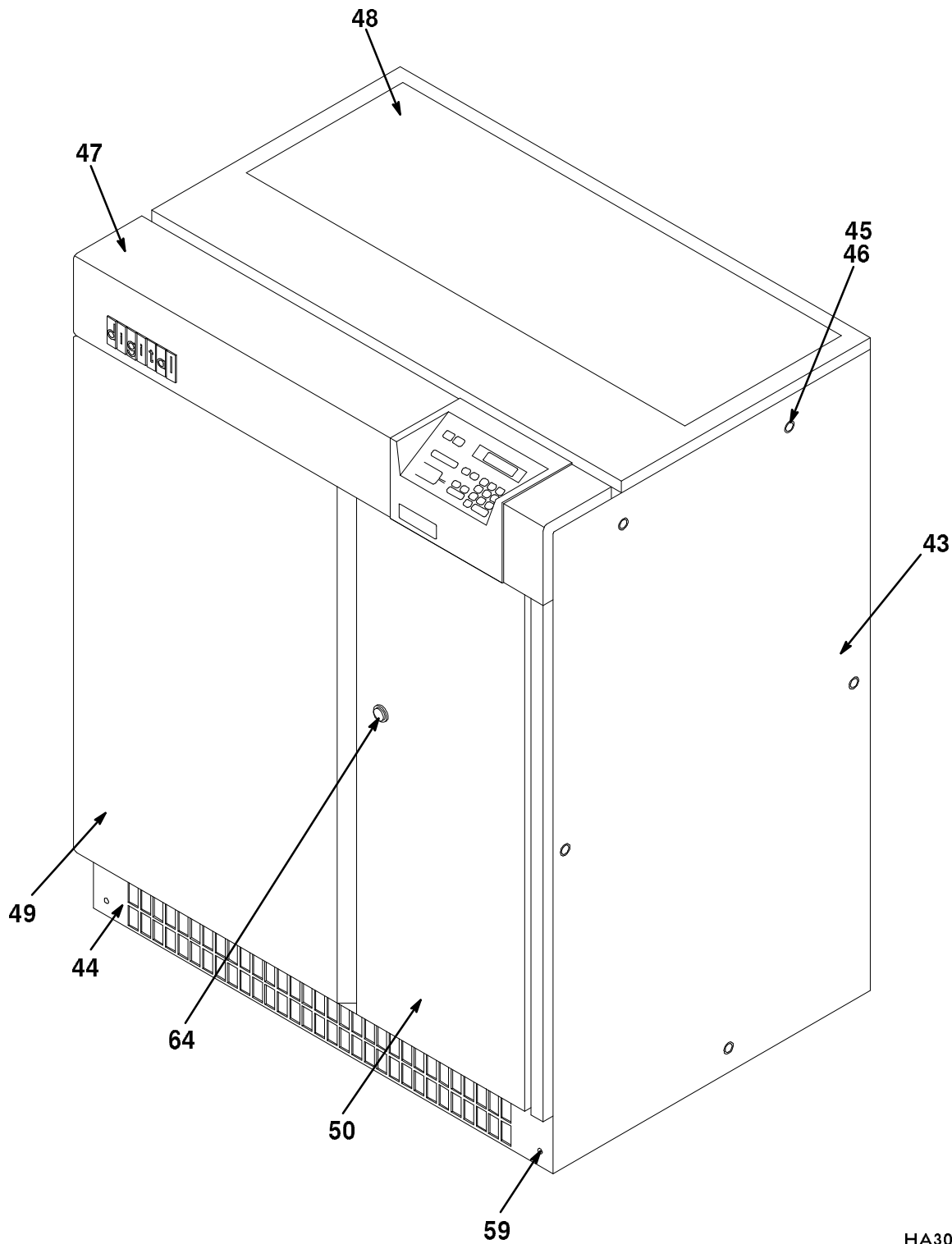
**Figure 3. HA3000 UPS Cabinet (60 kVA) (Sheet 8 of 8)**

FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
3-	HA3000 UPS CABINET (60 kVA)				
	Code A – Used on Model HA32A-AM 60 kVA 208/208	20-144062-22	HA32A-AM	A	
	Code B – Used on Model HA32A-BN 60 kVA 408/208	20-144062-42	HA32A-BM	B	
	Code C – Used on Model HA32A-CM 60 kVA 480/480	20-144062-44	HA32A-CM	C	
1	*Filter, Air (18 x 25 x1)	04-23067	29-27329-01		
2	*Cable Ribbon (Card Cage)	6716330	29-27416-01		
3	*Module, Charger	6730060CB	29-27316-01		
4	*Door Axle (Top)	6716209	29-27419-01		
5	*Door Axle (Bottom)	6716017	29-27420-01		
6	*Module, Inverter	6730060MU	29-27311-01		
7	*Switch, Static (60 kVA 208V AC Output)	6730601T	29-27320-01	A, B	
	*Switch, Static (60 kVA 408V AC Output)	6730601F	29-27322-01	C	
8	*Blower Assembly (60 kVA)	6730080VE	29-27318-01		
9	*Hinge, EPS	04-28017			
10	*Contactor, 285A 600V DC Coil (K3N)	04-08574	29-27345-01	A, B	
	*Contactor, 175A 600V DC Coil (K3N)	04-08573	29-27344-01	C	
11	*Capacitor Assembly, AC 60 kVA, 208	72-145560-00	29-27328-01	A, B	
	*Capacitor Assembly, AC 60 kVA, 480	72-145660-00	29-27412-01	C	
12	*Module, Capacitor, DC (1 Four Pack)	6733200BC	29-27415-01		
13	*Resistor, 27 ohm 200W (R4, R5, R6)	0864454	13-31781-01		
14	*Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	12-31780-01		
15	*Fuse, 2A 600V (FILx) (See note on Page 31 or 32 for fuse locations) (Qty 10)	87-144000-02	12-31783-01		
16	*Fuse, 5A 600V 20-80 kVA (See note on page 31 or 32 for fuse locations)	N/A	12-31783-03		
17	*Fuse, 250A 600V 280 (F1, F2, F3)	04-22058-25	12-31782-05	A, B	
	*Fuse, 160A 600V 480 (F1, F2, F3)	04-22058-16	12-31782-03	C	
18	*Terminal Block, 12 Point (TB1, TB2, TB3)	04-76024			
19	*Transformer, Current Hall Effect(CT3, CT4)	6730281	29-27418-01		
20	*Transformer, 150/1	6730493	29-27332-01		
21	*Transformer, 300/1	6730496	29-27334-01	A, B	
22	*Washer, Belleville 5/16 (Not Shown)	04-73327			
23	*Washer, Belleville 1/4 (Not Shown)	04-73321			
24	*Card Cage	6730526	29-27411-01		
25	*Module, ALIP	6716790	29-27299-01		
26	*Module, CHAP	6716702	29-27300-01		
27	*Module, ODUP	6716750	29-27301-01		
28	*Module, CANP	6716710U	29-27302-01		
29	*Module, FILO (Early Model)	6730730	29-27323-01		
	*Module, FILU (Current Model)	6719162			
30	*Module, TACO	6730180	29-27303-01		

FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
31	*Module, FMUP	6716888			
32	*Module, FALP	6716883			
33	*Module, AQCT (280V AC Input)	6730714T	29-27304-01	A	
	*Module, AQCF (480V AC Input)	673071F	29-27306-01	B, C	
34	*Module, AQOT (280V AC Input)	6730706T	29-27305-01	A, B	
	*Module, AQOF (480V AC Input)	6730706F	29-27307-01	C	
35	*Module, DIFP	6716870	29-28004-01		
36	*Module, DISP	6716866	29-28005-01		
37	*Module, Display AFIO	6730525	29-27308-01		
38	*Module, Electronic Key (To XM1306) (See Note)		29-28129-01		
39	*Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181			
40	*Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182			
41	*Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183			
42	*Rail, Guide	6730398			
43	*Panel, Side (R/L)	72-140200-03			
44	*Panel, Front Kick	72-140349-09			
45	*Screw, (Side Panel)	04-73045			
46	*Washer	04-73315			
47	*Panel, Top Front	72-140390-08			
48	*Panel, Top	72-140379-08			
49	*Door, Left	72-140340-03			
50	*Door, Right	72-140341-03			
51	*Nut, Tinnerman No. 10-32	04-73350			
52	*Breaker, Circuit 90A 24VDC ST	04-19311-628			
53	*Breaker, Circuit 40A 24VDC ST	04-19311-624			
54	*Breaker, Circuit 100A 24VDC ST	04-19311-620			
55	*Switch, 125A (Q3BP, Q5N)	04-19301-651			
56	*Handle, 125A (Q3BP, Q5N)	04-72184		A, B	
	*Handle, 400A (Q3BP, Q5N)	04-72185		C	
57	*Panel, Rear	72-140379-08			
58	*Panel, Rear Kick	72-140215-09			
59	*Screw, (Kickpanel) (Front/Rear)	04-73155			
60	*Plate, Base	71-145817-00			
61	*Transformer, (T5) 480 Output Only	72-140516-00			
	*Transformer, (T6) 480V Output	04-77224			
	*Transformer, (T6) 380V Output	04-77225			
	*Transformer, (T6) 415V Output	04-77226			
62	*Backplate, Plastic	6730399			
63	*Switch, Thermal	04-22009			
64	*Door Lock Assembly	04-93502			
	Note: Used For Trouble Shooting Only, Not Part Of This Unit.				

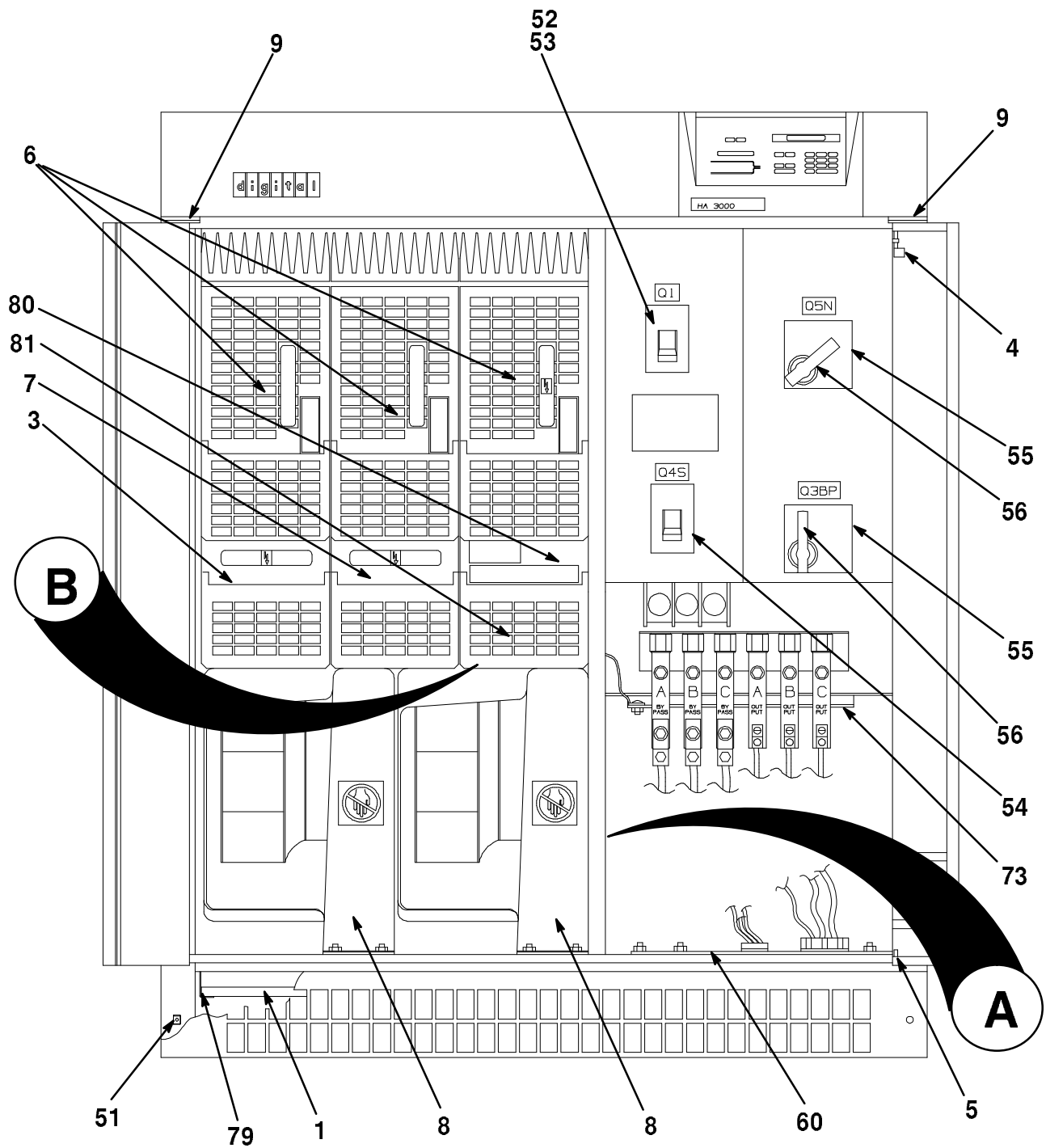
FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
65	*Standoff (1")	04-32002			
66	*Inductor, Input 480/208	8-96040-83			
	*Inductor, Input 208/208	8-96040-81			
67	*Insulator, Haysite	71-145815-00			
68	*Bushing	04-32022			
69	*Fuseblock	04-22045			
70	* Switch, Fuse Indicator	04-22020			
71	*Shield, DC Capacitor Kit	72-145100-20			
72	*Cable Assembly, w/ Ferrite Shield	72-145921-00			
73	*Filter Assembly, EMI	72-145830-00			
74	*Capacitor, PAP (C28)	04-08082			
75	*Cable, Communications	04-88014-01			
76	*Cable, Ribbon	72-145865-00			
77	*Cable, (RS232)	04-11043			
78	*Capacitor, 15UF 6% 550V AC (C4-C6)	04-08067	10-31779-01		
79	*Bracket, Filter (Order two for a set)	71-145814			
80	*Cover, Card Cage	71-145814-00			
81	*Deflector, Air	6716295			
82	*Cable Assembly, w/ Ferrite Shield	72-145928-01			
83	*Cable Assembly, w/ Ferrite Shield	72-145923-01			
84	*Fuse, 6A 600V (Not Shown)	12-31783-02			
	KITS, WIRE HARNESS				
	*KIT, WIRE HARNESS CONTROL (60kVA)	72-144093-01			
	**Cable, Control (XM2101 to XM33)	04-88016-02			
	**Cable, Power (XM2104 to XM16)	04-88015-05			
	**Cable, Control (XM2002 to XM83)	04-88016-01			
	**Cable, Control (XM2004-XM83)	04-88016-03			
	**Cable, Control (XM2003-XM83)	04-88016-05			
	*KIT, WIRE HARNESS FILU CONTROL	72-144092-00			
	**Cable, Power (XM1303 to XM66)	04-88015-01			
	**Cable, Control (XM1302 to XM63)	04-88016-09			
	**Cable, Power (XM2106 to XM1301)	04-88015-03			
	**Cable, Power (XM5004 to XM1305)	04-88015-02			
	**Cable, Control (XM1307-XM151)	04-88016-10			
	**Cable, Control (XM1304 to XM54)	04-88016-07			
	**Cable, Power (XM5005 to XM56)	04-88015-04			
	**Cable, Control (XM5007 to XM43)	04-88016-08			

**THIS PAGE INTENTIONALLY LEFT BLANK**



HA3000-04-IL

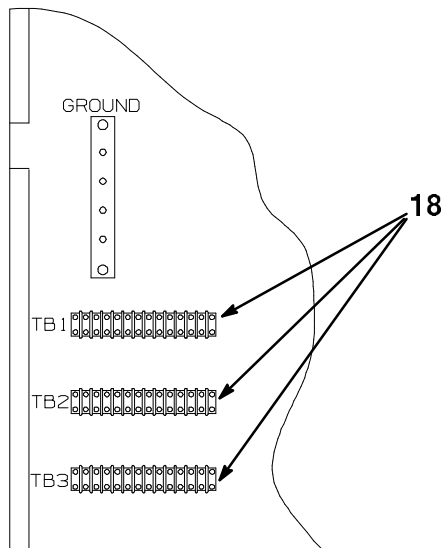
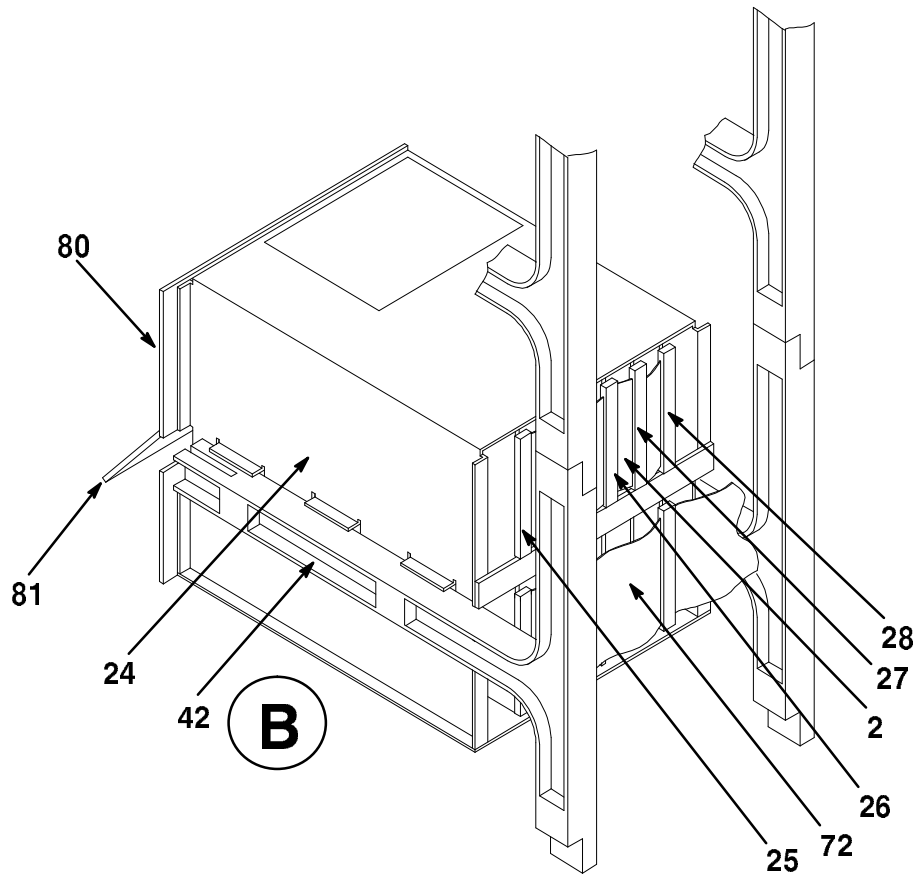
**Figure 4. HA3000 UPS Cabinet (80kVA) (Sheet 1 of 8)**



HA3000-04A-IL

**Figure 4. HA3000 UPS Cabinet (80 kVA) (Sheet 2 of 8)**

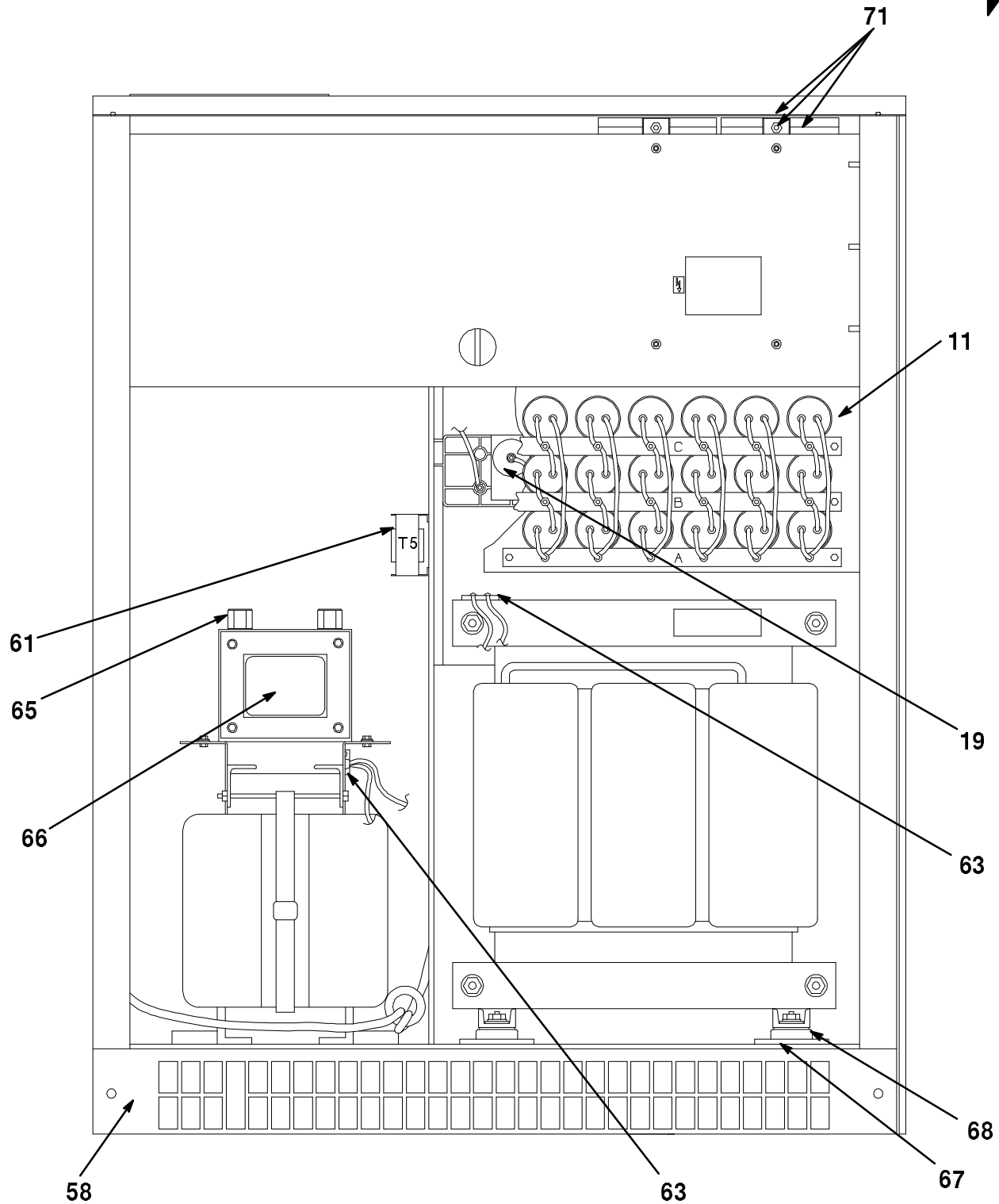




**A**

HA3000-04B-IL

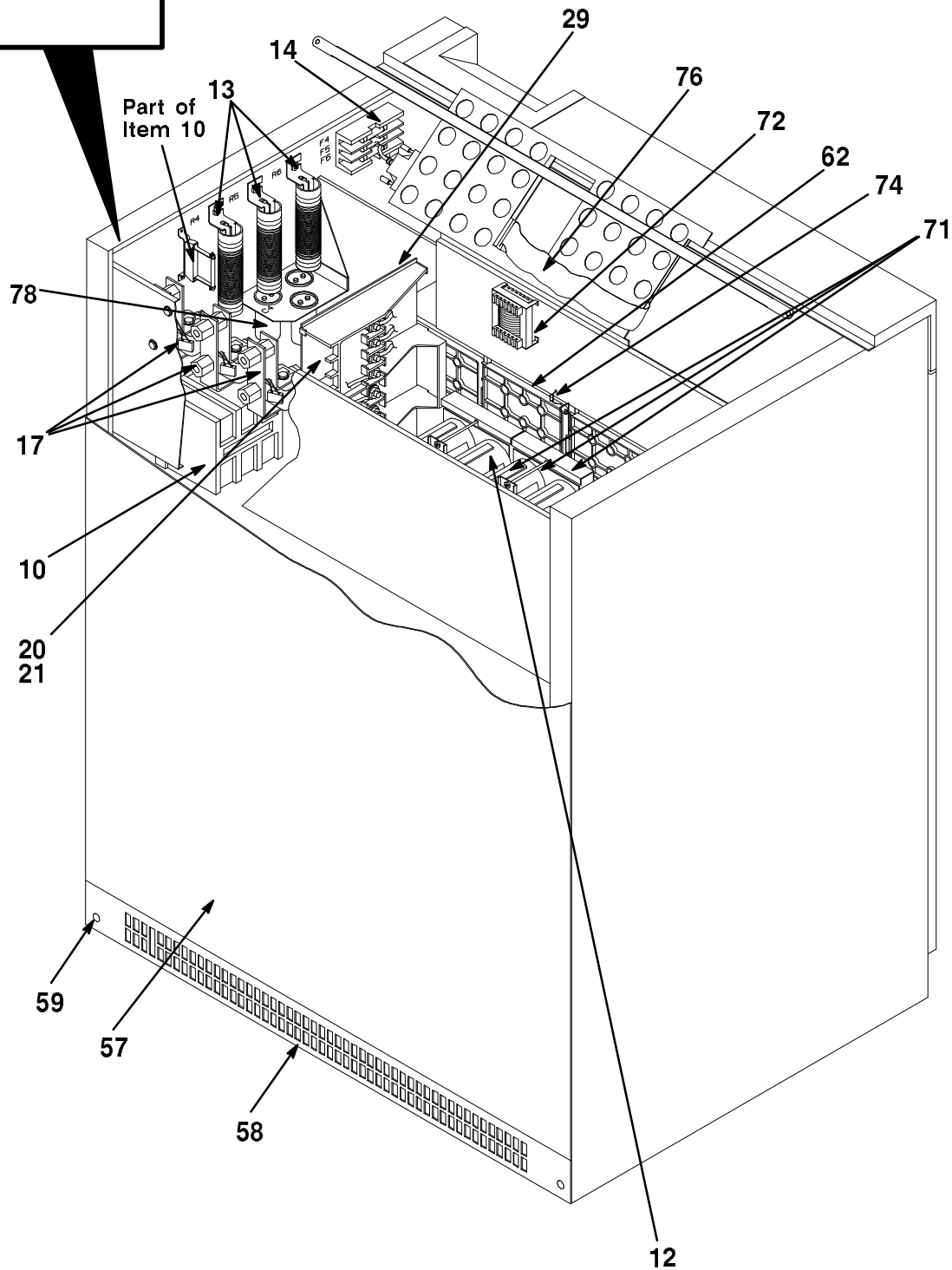
**Figure 4. HA3000 UPS Cabinet (80 kVA) (Sheet 3 of 8)**



HA3000-04C-IL

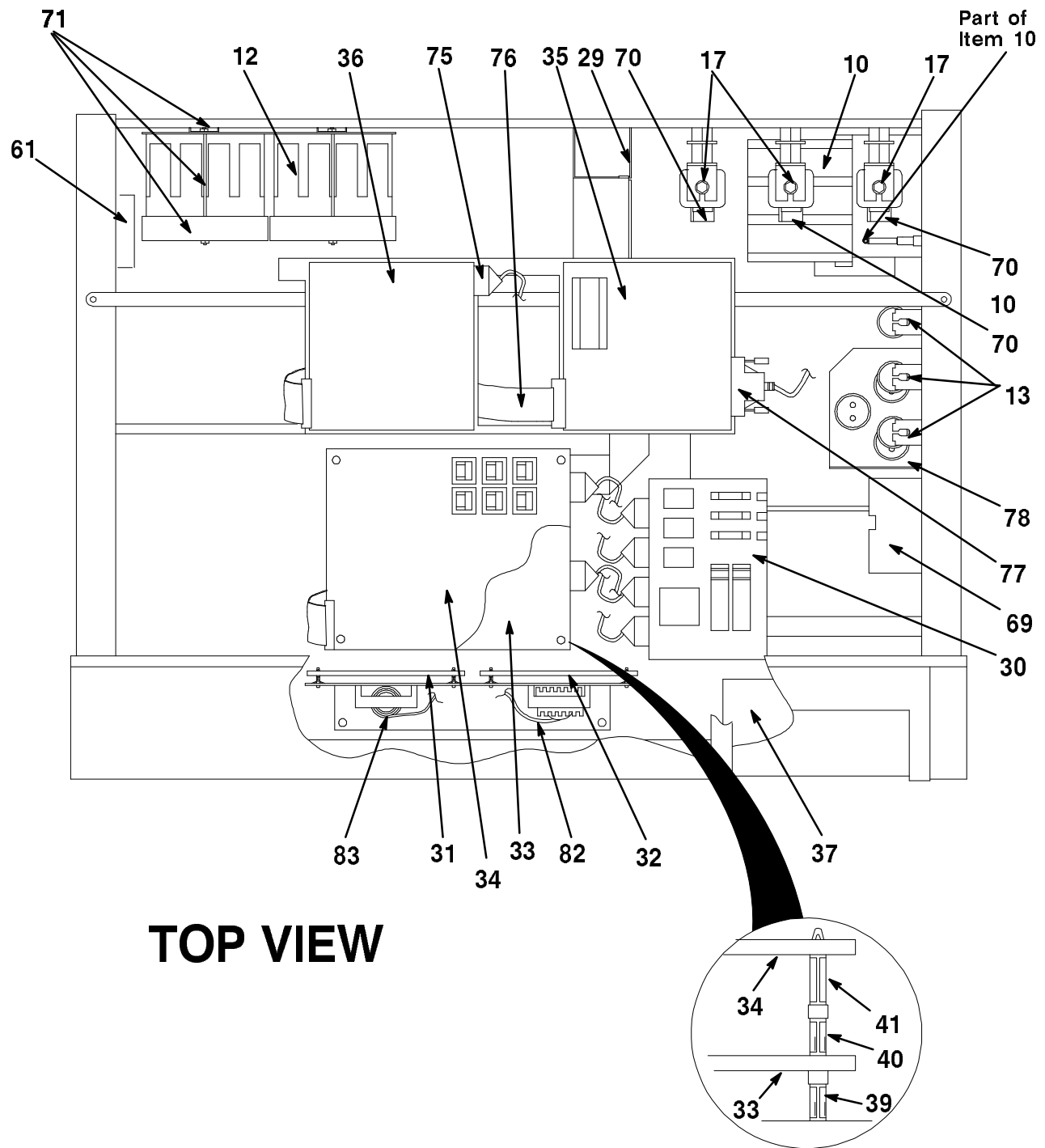
**Figure 4. HA3000 UPS Cabinet (80 kVA) (Sheet 4 of 8)**

See Page 42  
For Top View



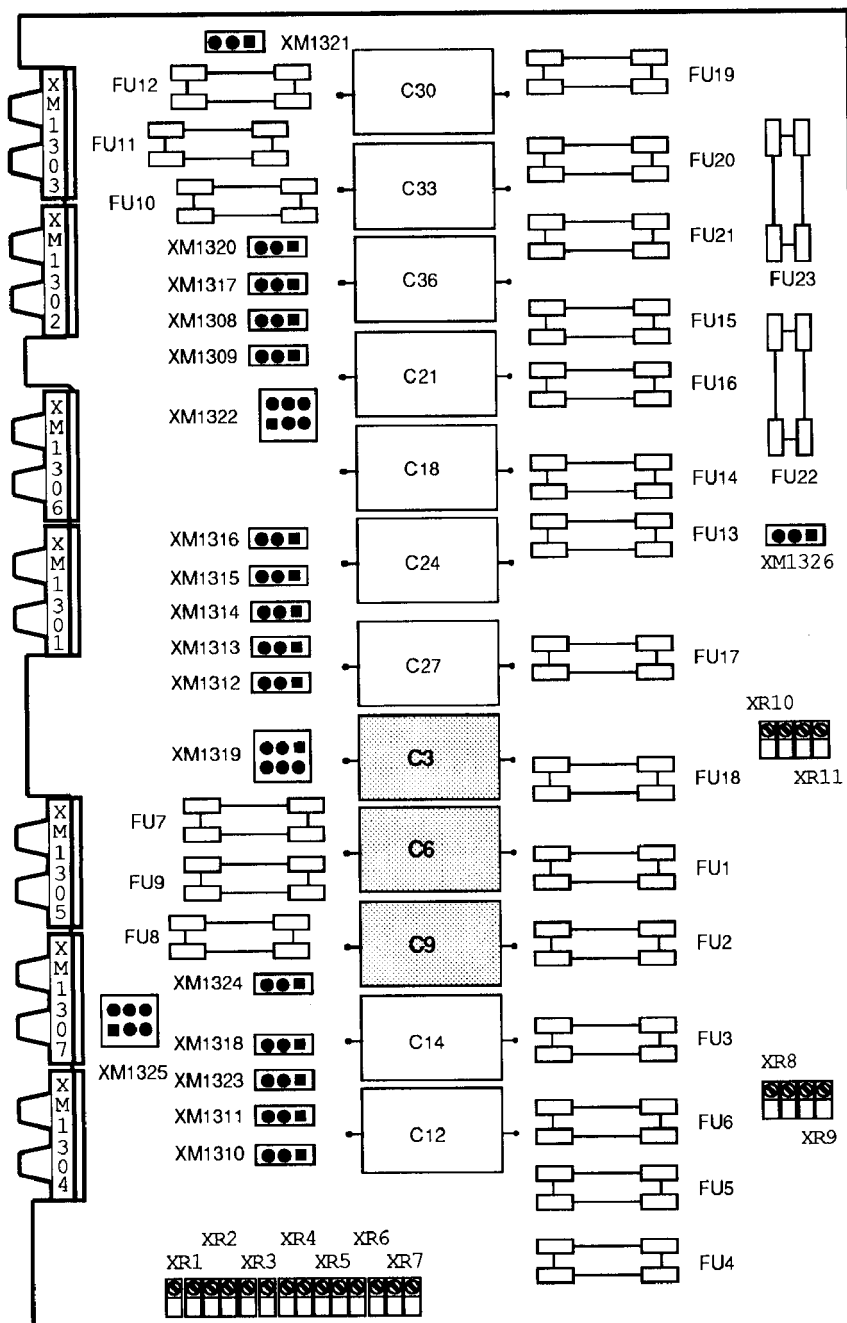
HA3000-04D-IL

**Figure 4. HA3000 UPS Cabinet (80kVA) (Sheet 5 of 8)**



HA3000-04E-IL

**Figure 4. HA3000 UPS Cabinet (80 kVA) (Sheet 6 of 8)**



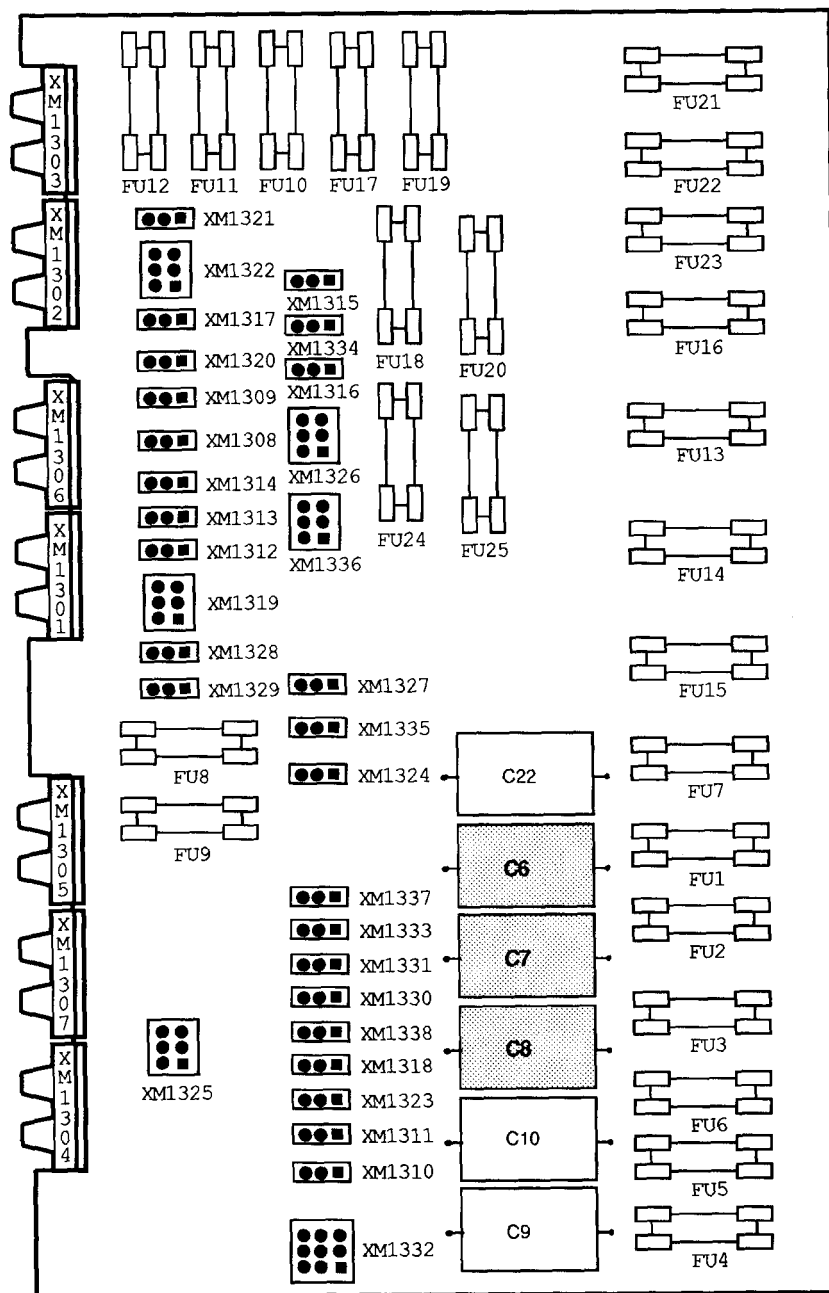
FILO Board  
(Early Model)

NOTE: Fuses FU1, FU2, FU6, FU9, And FU13 Through FU16 Are 5A 600V. (Refer to Item 16 on parts list.)

Fuses FU3 Through FU5, FU7, FU8, FU10 Through FU12 And FU17 Through FU23 Are 2A 600V. (Refer to item 15 on parts list.)

HA3000-04E-SC

Figure 4. HA3000 UPS Cabinet (80 kVA) (Sheet 7 of 8)



FILU Board  
(Current Model)

NOTE: Fuses FU1, FU2, FU6, FU7, And FU13 Through FU20 Are 5A 600V. (Refer to Item 16 on parts list.)  
Fuses FU3 Through FU5, FU8 Through FU12, And FU21 Through FU25 Are 2A 600V. (Refer to item 15 on parts list.)

HA3000-04F-SC

**Figure 4. HA3000 UPS Cabinet (80 kVA) (Sheet 8 of 8)**

FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
4-	HA3000 UPS CABINET (80 kVA)				
	Code A – Used on Model HA32A-AN 80 kVA 208/208	20-144082-22	HA32A-AN	A	
	Code B – Used on Model HA32A-BN 80 kVA 408/208	20-144082-42	HA32A-BN	B	
	Code C – Used on Model HA32A-CN 80 kVA 480/480	20-144082-44	HA32A-CN	C	
1	*Filter, Air (18 x 25 x1)	04-23067	29-27329-01		
2	*Cable Ribbon (Card Cage)	6716330	29-27416-01		
3	*Module, Charger	6730080CB	29-27317-01		
4	*Door Axle (Top)	6716209	29-27419-01		
5	*Door Axle (Bottom)	6716017	29-27420-01		
6	*Module, Inverter	6730080MU	29-27312-01		
7	*Switch, Static (80 kVA 208V AC Output)	6730801T	29-27321-01	A, B	
	*Switch, Static (80 kVA 408V AC Output)	6730801F	29-27322-01	C	
8	*Blower Assembly (80 kVA)	6730080VE	29-27318-01		
9	*Hinge, EPS	04-28017			
10	*Contactor, 300A 600V DC Coil (K3N)	04-08575	29-27346-01	C	
	*Contactor, 175A 600V DC Coil (K3N)	04-08573	29-27344-01	A, B	
11	*Capacitor Assembly AC 80 kVA, 208	72-1455580-00	29-27413-01	A, B	
	*Capacitor Assembly AC 80 kVA, 480	72-1455680-00	29-27414-01	C	
12	*Module, Capacitor, DC (1 Four Pack)	6733200BC	29-27415-01		
13	*Resistor, 27 ohm 200W (R4, R5, R6)	0864454	13-31781-01		
14	*Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	12-31780-01		
15	*Fuse, 2A 600V (FILx) (See note on Page 43 or 44 for fuse locations) (Qty 10)	87-144000-02	12-31783-01		
16	*Fuse, 5A 600V 20-80 kVA (See note on page 43 or 44 for fuse locations)		12-31783-03		
17	*Fuse, 315A 600V 280 (F1, F2, F3)	04-22058-31	12-31782-06	A, B	
	*Fuse, 200A 600V 480 (F1, F2, F3)	04-22058-20	12-31782-04	C	
18	*Terminal Block, 12 Point (TB1,TB2,TB3)	04-76024			
19	*Transformer,Current Hall Effect(CT3,CT4)	6730281	29-27418-01		
20	*Transformer, 200/1 480 Output CT5, 6, 7	6730494	29-27333-01	C	
21	*Transformer, 400/1 280 Output CT5, 6, 7	6730497	29-27417-01	A, B	
22	*Washer, Belleville 5/16 (Not Shown)	04-73327			
23	*Washer, Belleville 1/4 (Not Shown)	04-73321			
24	*Card Cage	6730526	29-27411-01		
25	*Module, ALIP	6716790	29-27299-01		
26	*Module, CHAP	6716702	29-27300-01		
27	*Module, ODUP	6716750	29-27301-01		
28	*Module, CANP	6716710U	29-27302-01		
29	*Module, FILO (Early Model)	6730730	29-27323-01		
	*Module, FILU (Current Model)	6719162			
30	*Module, TACO	6730180	29-27303-01		

FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
31	*Module, FMUP	6716888			
32	*Module, FALP	6716883			
33	*Module, AQCT (280V AC Input)	6730714T	29-27304-01	A	
	*Module, AQCF (480V AC Input)	673071F	29-27306-01	B, C	
34	*Module, AQOT (280V AC Output)	6730706T	29-27305-01	A, B	
	*Module, AQOF (480V AC Output)	6730706F	29-27307-01	C	
35	*Module, DIFP	6716870	29-28004-01		
36	*Module, DISP	6716866	29-28005-01		
37	*Module, Display AFIO	6730525	29-27308-01		
38	*Module, Electronic Key (To XM1306) (See Note)		29-28129-01		
39	*Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181			
40	*Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182			
41	*Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183			
42	*Rail, Guide	6730398			
43	*Panel, Side ( R/L)	72-140200-03			
44	*Panel, Front Kick	72-140349-09			
45	*Screw, (Side Panel)	04-73045			
46	*Washer	04-73315			
47	*Panel, Top Front	72-140390-08			
48	*Panel, Top	72-140379-08			
49	*Door, Left	72-140340-03			
50	*Door, Right	72-140341-03			
51	*Nut, Tinnerman No. 10-32	04-73350			
52	*Breaker, Circuit 90A 24V DC ST	04-19311-628			
53	*Breaker, Circuit 40A 24V DC ST	04-19311-624			
54	*Breaker, Circuit 100A 24V DC ST	04-19311-620			
55	*Switch, 125A (Q3BP, Q5N)	04-19301-651			
56	*Handle, 125A (Q3BP, Q5N)	04-72184		A, B	
	*Handle, 400A (Q3BP, Q5N)	04-72185		C	
57	*Panel, Rear	72-140379-08			
58	*Panel, Rear Kick	72-140215-09			
59	*Screw, (Kickpanel) (Front/Rear)	04-73155			
60	*Plate, Base	71-145817-00			
61	*Transformer, (T5) 480 Output Only	72-140516-00			
	*Transformer, (T6) 480V Output	04-77224			
	*Transformer, (T6) 380V Output	04-77225			
	*Transformer, (T6) 415V Output	04-77226			
62	*Backplate, Plastic	6730399			
63	*Switch, Thermal	04-22009			
64	*Door Lock Assembly	04-93502			
	Note: Used For Trouble Shooting Only, Not Part Of This Unit.				



FIG.& ITEM NO.	DESCRIPTION	VENDOR PART NO.	DEC PART NO.	USED ON CODE	REF FIG NO.
65	*Standoff (1")	04-32002			
66	*Inductor, Input 480/208	8-96040-83			
	*Inductor, Input 208/208	8-96040-81			
67	*Insulator, Haysite	71-145815-00			
68	*Bushing	04-32022			
69	*Fuseblock	04-22045			
70	* Switch, Fuse Indicator	04-22020			
71	*Shield, DC Capacitor Kit	72-145100-20			
72	*Cable Assembly, w/ Ferrite Shield	72-145921-00			
73	*Filter Assembly, EMI	72-145830-00			
74	*Capacitor, PAP (C28)	04-08082			
75	*Cable, Communications	04-88014-01			
76	*Cable, Ribbon	72-145865-00			
77	*Cable, (RS232)	04-11043			
78	*Capacitor, 15UF 6% 550V AC (C4-C6)	04-08067	10-31779-01		
79	*Bracket, Filter (Order two for a set)	71-145814			
80	*Cover, Card Cage	71-145814-00			
81	*Deflector, Air	6716295			
82	*Cable Assembly, w/ Ferrite Shield	72-145928-01			
83	*Cable Assembly, w/ Ferrite Shield	72-145923-01			
84	*Fuse, 6A 600V (Not Shown)	12-31783-02			
	KITS, WIRE HARNESS				
	*KIT, WIRE HARNESS CONTROL (80kVA)	72-144093-01			
	**Cable, Control (XM2101 to XM33)	04-88016-02			
	**Cable, Power (XM2104 to XM16)	04-88015-05			
	**Cable, Control (XM2002 to XM83)	04-88016-01			
	**Cable, Control (XM2004-XM83)	04-88016-03			
	**Cable, Control (XM2003-XM83)	04-88016-05			
	*KIT, WIRE HARNESS FILU CONTROL	72-144092-00			
	**Cable, Power (XM1303 to XM66)	04-88015-01			
	**Cable, Control (XM1302 to XM63)	04-88016-09			
	**Cable, Power (XM2106 to XM1301)	04-88015-03			
	**Cable, Power (XM5004 to XM1305)	04-88015-02			
	**Cable, Control (XM1307-XM151)	04-88016-10			
	**Cable, Control (XM1304 to XM54)	04-88016-07			
	**Cable, Power (XM5005 to XM56)	04-88015-04			
	**Cable, Control (XM5007 to XM43)	04-88016-08			

**THIS PAGE INTENTIONALLY LEFT BLANK**

**INDEX BY PART NUMBER**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
04-08067	Capacitor, 15 UF 6% 550 Vac (C4-C6)	3	78
04-08067	Capacitor, 15 UF 6% 550 Vac (C4-C6)	4	78
04-08067	Capacitor, 15 UF 6% 550 Vac (C4-C6)	2	78
04-08067	Capacitor, 15 UF 6% 550 Vac (C4-C6)	1	78
04-08082	Capacitor, PAP (C28)	3	74
04-08082	Capacitor, PAP (C28)	4	74
04-08082	Capacitor, PAP (C28)	2	74
04-08082	Capacitor, PAP (C28)	1	74
04-08571	Contactor, 40A 600 Vdc Coil (K3N)	1	10
04-08572	Contactor, 60A 600 Vdc Coil (K3N)	2	10
04-08572	Contactor, 60A 600 Vdc Coil (K3N)	1	10
04-08573	Contactor, 175A 600 Vdc Coil (K3N)	4	10
04-08573	Contactor, 175A 600 Vdc Coil (K3N)	3	10
04-08573	Contactor, 175A 600 Vdc Coil (K3N)	2	10
04-08574	Contactor, 285A 600 Vdc Coil (K3N)	3	10
04-08575	Contactor, 300A 600 Vdc Coil (K3N)	4	10
04-11043	Cable, (RS232)	3	77
04-11043	Cable, (RS232)	4	77
04-11043	Cable, (RS232)	1	77
04-11043	Cable, (RS232)	2	77
04-19301-651	Switch, 125A (Q3BP, Q5N)	4	55
04-19301-651	Switch, 125A (Q3BP, Q5N)	3	55
04-19301-651	Switch, 125A (Q3BP, Q5N)	1	55
04-19301-651	Switch, 125A (Q3BP, Q5N)	2	55
04-19311-620	Breaker, Circuit 100A 24 Vdc ST	3	54
04-19311-620	Breaker, Circuit 100A 24 Vdc ST	4	54
04-19311-620	Breaker, Circuit 100A 24 Vdc ST	2	54
04-19311-620	Breaker, Circuit 100A 24 Vdc ST	1	54
04-19311-624	Breaker, Circuit 40A 24 Vdc ST	4	53
04-19311-624	Breaker, Circuit 40A 24 Vdc ST	3	53
04-19311-624	Breaker, Circuit 40A 24 Vdc ST	1	53
04-19311-624	Breaker, Circuit 40A 24 Vdc ST	2	53
04-19311-628	Breaker, Circuit 90A 24 Vdc ST	4	52
04-19311-628	Breaker, Circuit 90A 24 Vdc ST	3	52
04-19311-628	Breaker, Circuit 90A 24 Vdc ST	1	52
04-19311-628	Breaker, Circuit 90A 24 Vdc ST	2	52
04-22009	Switch, Thermal	3	63
04-22009	Switch, Thermal	4	63
04-22009	Switch, Thermal	1	63
04-22009	Switch, Thermal	2	63
04-22020	Switch, Fuse Indicator	3	70
04-22020	Switch, Fuse Indicator	4	70
04-22020	Switch, Fuse Indicator	1	70
04-22020	Switch, Fuse Indicator	2	70
04-22045	Fuseblock	3	69
04-22045	Fuseblock	4	69
04-22045	Fuseblock	2	69
04-22045	Fuseblock	1	69
04-22058-06	Fuse, 63A 600V 480 (F1, F2, F3)	1	17
04-22058-10	Fuse, 100A 600V 208 (F1, F2, F3)	1	17
04-22058-10	Fuse, 100A 600V 208 (F1, F2, F3)	2	17
04-22058-16	Fuse, 160A 600V 480 (F1, F2, F3)	2	17
04-22058-16	Fuse, 160A 600V 480 (F1, F2, F3)	3	17
04-22058-20	Fuse, 200A 600V 480 (F1, F2, F3)	4	17
04-22058-25	Fuse, 250A 600V 280 (F1, F2, F3)	3	17

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

<b>PART NO.</b>	<b>DESCRIPTION</b>	<b>FIG NO.</b>	<b>ITEM NO.</b>
04-22058-31	Fuse, 315A 600V 280 (F1, F2, F3)	4	17
04-23066	Filter, Air (18 x 18 x 1)	2	1
04-23066	Filter, Air (18 x 18 x 1)	1	1
04-23067	Filter, Air (18 x 25 x 1)	4	1
04-23067	Filter, Air (18 x 25 x 1)	3	1
04-28017	Hinge, EPS	4	9
04-28017	Hinge, EPS	1	9
04-28017	Hinge, EPS	2	9
04-28017	Hinge, EPS	3	9
04-32002	Standoff (1")	3	65
04-32002	Standoff (1")	4	65
04-32002	Standoff (1")	2	65
04-32002	Standoff (1")	1	65
04-32022	Bushing	3	68
04-32022	Bushing	4	68
04-32022	Bushing	1	68
04-32022	Bushing	2	68
04-72181	Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	4	39
04-72181	Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	3	39
04-72181	Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	1	39
04-72181	Spacer, 1/2" (Male Thread and Female Thread) (Qty8)	2	39
04-72182	Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	4	40
04-72182	Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	2	40
04-72182	Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	1	40
04-72182	Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	3	40
04-72183	Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	4	41
04-72183	Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	2	41
04-72183	Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	3	41
04-72183	Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	1	41
04-72184	Handle, 125A (Q3BP, Q5N)	3	56
04-72184	Handle, 125A (Q3BP, Q5N)	4	56
04-72184	Handle	2	56
04-72184	Handle	1	56
04-72185	Handle, 400A (Q3BP, Q5N)	3	56
04-72185	Handle, 400A (Q3BP, Q5N)	4	56
04-73045	Screw (Side Panel)	4	45
04-73045	Screw (Side Panel)	3	45
04-73045	Screw (Side Panel)	1	45
04-73045	Screw (Side Panel)	2	45
04-73155	Screw, (Kickpanel) (Front/Rear)	3	59
04-73155	Screw, (Kickpanel) (Front/Rear)	4	59
04-73155	Screw, (Kickpanel) (Front/Rear)	2	59
04-73155	Screw, (Kickpanel) (Front/Rear)	1	59
04-73315	Washer	3	46

**INDEX BY PART NUMBER**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
04-73315	Washer	4	46
04-73315	Washer	2	46
04-73315	Washer	1	46
04-73321	Washer, Belleville 1/4 (Not Shown)	4	23
04-73321	Washer, Belleville 1/4 (Not Shown)	1	23
04-73321	Washer, Belleville 1/4 (Not Shown)	3	23
04-73321	Washer, Belleville 1/4 (Not Shown)	2	23
04-73327	Washer, Belleville 5/16 (Not Shown)	4	22
04-73327	Washer, Belleville 5/16 (Not Shown)	3	22
04-73327	Washer, Belleville 5/16 (Not Shown)	2	22
04-73327	Washer, Belleville 5/16 (Not Shown)	1	22
04-73350	Nut, Tinnerman No. 10-32	4	51
04-73350	Nut, Tinnerman No. 10-32	3	51
04-73350	Nut, Tinnerman No. 10-32	1	51
04-73350	Nut, Tinnerman No. 10-32	2	51
04-76024	Terminal Block, 12 Point (TB1, TB2, TB3)	4	18
04-76024	Terminal Block, 12 Point (TB1, TB2, TB3)	1	18
04-76024	Terminal Block, 12 Point (TB1, TB2, TB3)	2	18
04-76024	Terminal Block, 12 Point (TB1, TB2, TB3)	3	18
04-77224	Transformer, (T6) 480V Output	3	61
04-77224	Transformer, (T6) 480V Output	4	61
04-77224	Transformer, (T6) 480V Output	2	61
04-77224	Transformer, (T6) 480V Output	1	61
04-77225	Transformer, (T6) 380V Output	4	61
04-77225	Transformer, (T6) 380V Output	3	61
04-77225	Transformer, (T6) 380V Output	2	61
04-77225	Transformer, (T6) 380V Output	1	61
04-77226	Transformer, (T6) 415V Output	4	61
04-77226	Transformer, (T6) 415V Output	3	61
04-77226	Transformer, (T6) 415V Output	2	61
04-77226	Transformer, (T6) 415V Output	1	61
04-88014-01	Cable, Communications	3	75
04-88014-01	Cable, Communications	4	75
04-88014-01	Cable, Communications	1	75
04-88014-01	Cable, Communications	2	75
04-88015-01	Cable, Power (XM1303 to XM66)	3	Not Shown
04-88015-01	Cable, Power (XM1303 to XM66)	4	Not Shown
04-88015-01	Cable, Power (XM1303 to XM66)	2	Not Shown
04-88015-01	Cable, Power (XM1303 to XM66)	1	Not Shown
04-88015-02	Cable, Power (XM5004 to XM1305)	3	Not Shown
04-88015-02	Cable, Power (XM5004 to XM1305)	4	Not Shown
04-88015-02	Cable, Power (XM5004 to XM1305)	2	Not Shown
04-88015-02	Cable, Power (XM5004 to XM1305)	1	Not Shown
04-88015-03	Cable, Power (XM2106 to XM1301)	4	Not Shown
04-88015-03	Cable, Power (XM2106 to XM1301)	3	Not Shown
04-88015-03	Cable, Power (XM2106 to XM1301)	1	Not Shown
04-88015-03	Cable, Power (XM2106 to XM1301)	2	Not Shown
04-88015-04	Cable, Power (XM5005 to XM56)	3	Not Shown
04-88015-04	Cable, Power (XM5005 to XM56)	4	Not Shown
04-88015-04	Cable, Power (XM5005 to XM56)	2	Not Shown
04-88015-04	Cable, Power (XM5005 to XM56)	1	Not Shown
04-88015-05	Cable, Power (XM2104 to XM16)	3	Not Shown
04-88015-05	Cable, Power (XM2104 to XM16)	4	Not Shown
04-88015-05	Cable, Power (XM2104 to XM16)	2	Not Shown
04-88015-05	Cable, Power (XM2104 to XM16)	1	Not Shown

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
04-88016-01	Cable, Control (XM2002 to XM83)	4	Not Shown
04-88016-01	Cable, Control (XM2002 to XM83)	3	Not Shown
04-88016-02	Cable, Control (XM2101 to XM33)	3	Not Shown
04-88016-02	Cable, Control (XM2101 to XM33)	4	Not Shown
04-88016-02	Cable, Control (XM2101 to XM33)	2	Not Shown
04-88016-02	Cable, Control (XM2101 to XM33)	1	Not Shown
04-88016-03	Cable, Control (XM2004 to XM83)	4	Not Shown
04-88016-03	Cable, Control (XM2004 to XM83)	3	Not Shown
04-88016-04	Cable, Control (XM2004 to XM83)	2	Not Shown
04-88016-05	Cable, Control (XM2003 to XM83)	4	Not Shown
04-88016-05	Cable, Control (XM2003 to XM83)	3	Not Shown
04-88016-05	Cable, Control (XM2003 to XM83)	2	Not Shown
04-88016-07	Cable, Control (XM1304 to XM54)	4	Not Shown
04-88016-07	Cable, Control (XM1304 to XM54)	3	Not Shown
04-88016-07	Cable, Control (XM1304 to XM54)	1	Not Shown
04-88016-07	Cable, Control (XM1304 to XM54)	2	Not Shown
04-88016-08	Cable, Control (XM5007 to XM43)	4	Not Shown
04-88016-08	Cable, Control (XM5007 to XM43)	3	Not Shown
04-88016-08	Cable, Control (XM5007 to XM43)	2	Not Shown
04-88016-08	Cable, Control (XM5007 to XM43)	1	Not Shown
04-88016-09	Cable, Control (XM1302 to XM63)	3	Not Shown
04-88016-09	Cable, Control (XM1302 to XM63)	4	Not Shown
04-88016-09	Cable, Control (XM1302 to XM63)	1	Not Shown
04-88016-09	Cable, Control (XM1302 to XM63)	2	Not Shown
04-88016-10	Cable, Control (XM1307 to XM151)	3	Not Shown
04-88016-10	Cable, Control (XM1307 to XM151)	4	Not Shown
04-88016-10	Cable, Control (XM1307 to XM151)	1	Not Shown
04-88016-10	Cable, Control (XM1307 to XM151)	2	Not Shown
04-88016-11	Cable, Control (XM2002 to XM85)	1	Not Shown
04-88016-12	Cable, Control (XM2002 to XM83)	2	Not Shown
04-93502	Door Lock Assembly	4	64
04-93502	Door Lock Assembly	3	64
04-93502	Door Lock Assembly	1	64
04-93502	Door Lock Assembly	2	64
0864454	Resistor, 27 ohm 200W (R4, R5, R6)	4	13
0864454	Resistor, 27 ohm 200W (R4, R5, R6)	1	13
0864454	Resistor, 27 ohm 200W (R4, R5, R6)	2	13
0864454	Resistor, 27 ohm 200W (R4, R5, R6)	3	13
10-31779-01	Capacitor, 15 UF 6% 550 Vac (C4-C6)	3	78
10-31779-01	Capacitor, 15 UF 6% 550 Vac (C4-C6)	4	78
10-31779-01	Capacitor, 15 UF 6% 550 Vac (C4-C6)	1	78
10-31779-01	Capacitor, 15 UF 6% 550 Vac (C4-C6)	2	78
12-31780-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	4	14
12-31780-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	2	14
12-31780-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	1	14
12-31780-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	3	14
12-31782-01	Fuse, 63A 600V 480 (F1, F2, F3)	1	17
12-31782-02	Fuse, 100A 600V 208 (F1, F2, F3)	1	17
12-31782-02	Fuse, 100A 600V (F1, F2, F3)	2	17
12-31782-03	Fuse, 160A 600V (F1, F2, F3)	2	17
12-31782-03	Fuse, 160A 600V 480 (F1, F2, F3)	3	17
12-31782-04	Fuse, 200A 600V 480 (F1, F2, F3)	4	17
12-31782-05	Fuse, 250A 600V 280 (F1, F2, F3)	3	17
12-31782-06	Fuse, 315A 600V 280 (F1, F2, F3)	4	17

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
12-31783-01	Fuse, 2A 600V (FILx) (Qty 10)	4	15
12-31783-01	Fuse, 2A 600V (FILx) (Qty 10)	3	15
12-31783-01	Fuse, 2A 600V (FILx) (Qty 10)	2	15
12-31783-01	Fuse, 2A 600V (FILx) (Qty 10)	1	15
12-31783-02	Fuse, 6A 600V (Not Shown)	3	84
12-31783-02	Fuse, 6A 600V (Not Shown)	4	84
12-31783-02	Fuse, 6A 600V (Not Shown)	2	84
12-31783-02	Fuse, 6A 600V (Not Shown)	1	84
12-31783-03	Fuse, 5A 600V 20-80 kVA	4	16
12-31783-03	Fuse, 5A 600V 20-80 kVA	1	16
12-31783-03	Fuse, 5A 600V 20-80 kVA	3	16
12-31783-03	Fuse, 5A 600V 20-80 kVA	2	16
13-31781-01	Resistor, 27 ohm 200W (R4, R5, R6)	4	13
13-31781-01	Resistor, 27 ohm 200W (R4, R5, R6)	1	13
13-31781-01	Resistor, 27 ohm 200W (R4, R5, R6)	2	13
13-31781-01	Resistor, 27 ohm 200W (R4, R5, R6)	3	13
20-144022-22	Model HA32A-AH, 20 kVA 208/208	1	N/A
20-144022-42	Model HA32A-BK, 20 kVA 408/208	1	N/A
20-144022-44	Model HA32A-CK, 20 kVA 480/480	1	N/A
20-144042-22	Model HA32A-AK, 40 kVA 208/208	2	N/A
20-144042-42	Model HA32A-BK, 40 kVA 408/208	2	N/A
20-144042-44	Model HA32A-CK, 40 kVA 480/480	2	N/A
20-144062-22	Model HA32A-AM, 60 kVA 208/208	3	N/A
20-144062-42	Model HA32A-BN, 60 kVA 408/208	3	N/A
20-144062-44	Model HA32A-CM, 60 kVA 480/480	3	N/A
20-144082-22	Model HA32A-AN, 80 kVA 208/208	4	N/A
20-144082-42	Model HA32A-BN, 80 kVA 408/208	4	N/A
20-144082-44	Model HA32A-CN, 80 kVA 480/480	4	N/A
29-27299-01	Module, ALIP	4	25
29-27299-01	Module, ALIP	3	25
29-27299-01	Module, ALIP	1	25
29-27299-01	Module, ALIP	2	25
29-27300-01	Module, CHAP	4	26
29-27300-01	Module, CHAP	1	26
29-27300-01	Module, CHAP	3	26
29-27300-01	Module, CHAP	2	26
29-27301-01	Module, ODUP	4	27
29-27301-01	Module, ODUP	3	27
29-27301-01	Module, ODUP	1	27
29-27301-01	Module, ODUP	2	27
29-27302-01	Module, CANP	4	28
29-27302-01	Module, CANP	3	28
29-27302-01	Module, CANP	1	28
29-27302-01	Module, CANP	2	28
29-27303-01	Module, TACO	4	30
29-27303-01	Module, TACO	2	30
29-27303-01	Module, TACO	1	30
29-27303-01	Module, TACO	3	30
29-27304-01	Module, AQCT (280 Vac Input)	4	33
29-27304-01	Module, AQCT (280 Vac Input)	1	33
29-27304-01	Module, AQCT (208 Vac Input)	2	33
29-27304-01	Module, AQCT (280 Vac Input)	3	33
29-27305-01	Module, AQOT (280 Vac Output)	4	34
29-27305-01	Module, AQOT (280 Vac Output)	1	34

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
29-27305-01	Module, AQOT (208 Vac Output)	2	34
29-27305-01	Module, AQOT (280 Vac Input)	3	34
29-27306-01	Module, AQCF (480 Vac Input)	4	33
29-27306-01	Module, AQCF (480 Vac Input)	2	33
29-27306-01	Module, AQCF (480 Vac Input)	1	33
29-27306-01	Module, AQCF (480 Vac Input)	3	33
29-27307-01	Module, AQOF (480 Vac Output)	4	34
29-27307-01	Module, AQOF (480 Vac Output)	2	34
29-27307-01	Module, AQOF (480 Vac Output)	1	34
29-27307-01	Module, AQOF (480 Vac Input)	3	34
29-27308-01	Module, Display AFIO	4	37
29-27308-01	Module, Display AFIO	3	37
29-27308-01	Module, Display AFIO	1	37
29-27308-01	Module, Display AFIO	2	37
29-27309-01	Module, Inverter	1	6
29-27310-01	Module, Inverter	2	6
29-27311-01	Module, Inverter	3	6
29-27312-01	Module, Inverter	4	6
29-27313-01	Blower Assembly (20 kVA)	1	8
29-27313-01	Blower Assembly (40 kVA)	2	8
29-27314-01	Module, Charger	1	3
29-27315-01	Module, Charger	2	3
29-27316-01	Module, Charger	3	3
29-27317-01	Module, Charger	4	3
29-27318-01	Blower Assembly (80 kVA)	4	8
29-27318-01	Blower Assembly (60 kVA)	3	8
29-27319-01	Switch, Static (20 kVA 208 Vac Output)	1	7
29-27319-01	Switch, Static (40 kVA 208 Vac Output)	2	7
29-27320-01	Switch, Static (60 kVA 208 Vac Output)	3	7
29-27321-01	Switch, Static (80 kVA 208 Vac Output)	4	7
29-27322-01	Switch, Static (80 kVA 408 Vac Output)	4	7
29-27322-01	Switch, Static (60 kVA 408 Vac Output)	3	7
29-27322-01	Switch, Static (40 kVA 408 Vac Output)	2	7
29-27322-01	Switch, Static (20 kVA 408 Vac Output)	1	7
29-27323-01	Module, FILO (Early Model)	4	29
29-27323-01	Module, FILO (Early Model)	3	29
29-27323-01	Module, FILO (Early Model)	1	29
29-27323-01	Module, FILO (Early Model)	2	29
29-27324-01	Capacitor Assembly, AC 20 kVA, 208	1	11
29-27325-01	Capacitor Assembly, AC 20 kVA, 480	1	11
29-27326-01	Capacitor Assembly, AC 40 kVA, 208	2	11
29-27327-01	Capacitor Assembly, AC 40 kVA, 408	2	11
29-27328-01	Capacitor Assembly, AC 60 kVA, 208	3	11
29-27329-01	Filter, Air (18 x 25 x 1)	4	1
29-27329-01	Filter, Air (18 x 25 x 1)	3	1
29-27329-02	Filter, Air (18 x 18 x1)	1	1
29-27329-02	Filter, Air (18 x 18 x1)	2	1
29-27330-01	Transformer, 50/1	1	21
29-27331-01	Transformer, 100/1	1	20
29-27331-01	Transformer, 100/1	2	20
29-27332-01	Transformer, 150/1	3	20
29-27333-01	Transformer, 200/1 480 Output CT5, 6, 7	4	20
29-27333-01	Transformer, 200/1 480 Output CT5, 6, 7	2	21
29-27334-01	Transformer, 300/1	3	21



**INDEX BY PART NUMBER**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
29-27342-01	Contacto, 40A 600 Vdc Coil (K3N)	1	10
29-27343-01	Contacto, 60A 600 Vdc Coil (K3N)	2	10
29-27343-01	Contacto, 60A 600 Vdc Coil (K3N)	1	10
29-27344-01	Contacto, 175A 600 Vdc Coil (K3N)	4	10
29-27344-01	Contacto, 175A 600 Vdc Coil (K3N)	2	10
29-27344-01	Contacto, 175A 600 Vdc Coil (K3N)	3	10
29-27345-01	Contacto, 285A 600 Vdc Coil (K3N)	3	10
29-27346-01	Contacto, 300A 600 Vdc Coil (K3N)	4	10
29-27411-01	Card Cage	4	24
29-27411-01	Card Cage	3	24
29-27411-01	Card Cage	2	24
29-27411-01	Card Cage	1	24
29-27412-01	Capacitor Assembly AC 60 kVA, 480	3	11
29-27413-01	Capacitor Assembly AC 80 kVA, 208	4	11
29-27414-01	Capacitor Assembly AC 80 kVA, 480	4	11
29-27415-01	Module, Capacitor, DC (1 Four Pack)	4	12
29-27415-01	Module, Capacitor, DC (1 Four Pack)	1	12
29-27415-01	Module, Capacitor, DC (1 Four Pack)	3	12
29-27415-01	Module, Capacitor, DC (1 Four Pack)	2	12
29-27416-01	Cable Ribbon (Card Cage)	4	2
29-27416-01	Cable Ribbon (Card Cage)	1	2
29-27416-01	Cable Ribbon (Card Cage)	2	2
29-27416-01	Cable Ribbon (Card Cage)	3	2
29-27417-01	Transformer, 400/1 280 Output CT5, 6, 7	4	21
29-27418-01	Transformer, Current Hall Effect (CT3, CT4)	4	19
29-27418-01	Transformer, Current Hall Effect (CT3, CT4)	2	19
29-27418-01	Transformer, Current Hall Effect (CT3, CT4)	3	19
29-27418-01	Transformer, Current Hall Effect (CT3, CT4)	1	19
29-27419-01	Door Axle (Top)	4	4
29-27419-01	Door Axle (Top)	1	4
29-27419-01	Door Axle (Top)	2	4
29-27419-01	Door Axle (Top)	3	4
29-27420-01	Door Axle (Bottom)	4	5
29-27420-01	Door Axle (Bottom)	2	5
29-27420-01	Door Axle (Bottom)	3	5
29-27420-01	Door Axle (Bottom)	1	5
29-28004-01	Module, DIFP	4	35
29-28004-01	Module, DIFP	3	35
29-28004-01	Module, DIFP	1	35
29-28004-01	Module, DIFP	2	35
29-28005-01	Module, DISP	4	36
29-28005-01	Module, DISP	3	36
29-28005-01	Module, DISP	2	36
29-28005-01	Module, DISP	1	36
29-28129-01	Module, Electronic Key (To XM1306)	4	38
29-28129-01	Module, Electronic Key (To XM1306)	2	38
29-28129-01	Module, Electronic Key (To XM1306)	1	38
29-28129-01	Module, Electronic Key (To XM1306)	3	38
6716017	Door Axle (Bottom)	4	5
6716017	Door Axle (Bottom)	2	5
6716017	Door Axle (Bottom)	1	5
6716017	Door Axle (Bottom)	3	5
6716209	Door Axle (Top)	4	4
6716209	Door Axle (Top)	2	4
6716209	Door Axle (Top)	1	4

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
6716209	Door Axle (Top)	3	4
6716295	Deflector, Air	3	81
6716295	Deflector, Air	4	81
6716295	Deflector, Air	1	81
6716295	Deflector, Air	2	81
6716330	Cable Ribbon (Card Cage)	4	2
6716330	Cable Ribbon (Card Cage)	3	2
6716330	Cable Ribbon (Card Cage)	2	2
6716330	Cable Ribbon (Card Cage)	1	2
6716702	Module, CHAP	4	26
6716702	Module, CHAP	2	26
6716702	Module, CHAP	3	26
6716702	Module, CHAP	1	26
6716710U	Module, CANP	4	26
6716710U	Module, CANP	2	28
6716710U	Module, CANP	3	28
6716710U	Module, CANP	1	28
6716750	Module, ODUP	4	27
6716750	Module, ODUP	1	27
6716750	Module, ODUP	3	27
6716750	Module, ODUP	2	27
6716790	Module, ALIP	4	25
6716790	Module, ALIP	1	25
6716790	Module, ALIP	3	25
6716790	Module, ALIP	2	25
6716866	Module, DISP	4	36
6716866	Module, DISP	1	36
6716866	Module, DISP	3	36
6716866	Module, DISP	2	36
6716870	Module, DIFP	4	35
6716870	Module, DIFP	2	35
6716870	Module, DIFP	1	35
6716870	Module, DIFP	3	35
6716883	Module, FALP	4	32
6716883	Module, FALP	3	32
6716883	Module, FALP	1	32
6716883	Module, FALP	2	32
6716888	Module, FMUP	4	31
6716888	Module, FMUP	1	31
6716888	Module, FMUP	2	31
6716888	Module, FMUP	3	31
6719162	Module, FILU (Current Model)	4	29
6719162	Module, FILU (Current Model)	2	29
6719162	Module, FILU (Current Model)	1	29
6719162	Module, FILU (Current Model)	3	29
6730020CB	Module, Charger	1	3
6730020MU	Module, Inverter	1	6
6730040CB	Module, Charger	2	3
6730040MU	Module, Inverter	2	6
6730040VE	Blower Assembly (20 kVA)	1	8
6730040VE	Blower Assembly (40 kVA)	2	8
6730060CB	Module, Charger	3	3
6730060MU	Module, Inverter	3	6
6730080CB	Module, Charger	4	3
6730080MU	Module, Inverter	4	6

**INDEX BY PART NUMBER**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
6730080VE	Blower Assembly (80 kVA)	4	8
6730080VE	Blower Assembly (60 kVA)	3	8
6730180	Module, TACO	4	30
6730180	Module, TACO	2	30
6730180	Module, TACO	1	30
6730180	Module, TACO	3	30
6730281	Transformer, Current Hall Effect (CT3, CT4)	4	19
6730281	Transformer, Current Hall Effect (CT3, CT4)	3	19
6730281	Transformer, Current Hall Effect (CT3, CT4)	2	19
6730281	Transformer, Current Hall Effect (CT3, CT4)	1	19
6730398	Rail, Guide	4	42
6730398	Rail, Guide	3	42
6730398	Rail, Guide	1	42
6730398	Rail, Guide	2	42
6730399	Backplate, Plastic	4	62
6730399	Backplate, Plastic	3	62
6730399	Backplate, Plastic	1	62
6730399	Backplate, Plastic	2	62
6730401T	Switch, Static (40 kVA 208 Vac Output)	2	7
6730401T	Switch, Static (20 kVA 208 Vac Output)	1	7
6730490	Transformer, 50/1	1	21
6730491	Transformer, 100/1	1	20
6730491	Transformer, 100/1	2	20
6730493	Transformer, 150/1	3	20
6730494	Transformer, 200/1 480 Output CT5, 6, 7	4	20
6730494	Transformer, 200/1 480 Output CT5, 6, 7	2	21
6730496	Transformer, 300/1	3	21
6730497	Transformer, 400/1 280 Output CT5, 6, 7	4	21
6730525	Module, Display AFIO	4	37
6730525	Module, Display AFIO	3	37
6730525	Module, Display AFIO	2	37
6730525	Module, Display AFIO	1	37
6730526	Card Cage	4	24
6730526	Card Cage	2	24
6730526	Card Cage	3	24
6730526	Card Cage	1	24
6730601F	Switch, Static (60 kVA 408 Vac Output)	3	7
6730601T	Switch, Static (60 kVA 208 Vac Output)	3	7
6730706F	Module, AQOF (480 Vac Output)	4	34
6730706F	Module, AQOF (480 Vac Input)	3	34
6730706F	Module, AQOF (480 Vac Output)	1	34
6730706F	Module, AQOF (480 Vac Output)	2	34
6730706T	Module, AQOT (280 Vac Output)	4	34
6730706T	Module, AQOT (280 Vac Output)	1	34
6730706T	Module, AQOT (280 Vac Input)	3	34
6730706T	Module, AQOT (208 Vac Output)	2	34
6730714F	Module, AQCF (480 Vac Input)	2	33
6730714T	Module, AQCT (280 Vac Input)	4	33
6730714T	Module, AQCT (208 Vac Input)	2	33
6730714T	Module, AQCT (280 Vac Input)	3	33
6730714T	Module, AQCT (280 Vac Input)	1	33
673071F	Module, AQCF (480 Vac Input)	4	33
673071F	Module, AQCF (480 Vac Input)	1	33
673071F	Module, AQCF (480 Vac Input)	3	33
6730730	Module, FILO (Early Model)	4	29

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
6730730	Module, FILO (Early Model)	3	29
6730730	Module, FILO (Early Model)	2	29
6730730	Module, FILO (Early Model)	1	29
6730801F	Switch, Static (80 kVA 408 Vac Output)	4	7
6730801F	Switch, Static (20 kVA 408 Vac Output)	1	7
6730801F	Switch, Static (40 kVA 408 Vac Output)	2	7
6730801T	Switch, Static (80 kVA 208 Vac Output)	4	7
6733200BC	Module, Capacitor, DC (1 Four Pack)	4	12
6733200BC	Module, Capacitor, DC (1 Four Pack)	2	12
6733200BC	Module, Capacitor, DC (1 Four Pack)	3	12
6733200BC	Module, Capacitor, DC (1 Four Pack)	1	12
71-145417-00	Plate, Base	2	60
71-145417-00	Plate, Base	1	60
71-145814	Bracket, Filter (Order two for a set)	4	79
71-145814	Bracket, Filter (Order two for a set)	3	79
71-145814	Bracket, Filter (Order two for a set)	1	79
71-145814	Bracket, Filter (Order two for a set)	2	79
71-145814-00	Cover, Card Cage	3	80
71-145814-00	Cover, Card Cage	4	80
71-145814-00	Cover, Card Cage	2	80
71-145814-00	Cover, Card Cage	1	80
71-145815-00	Insulator, Haysite	4	6
71-145815-00	Insulator, Haysite	3	67
71-145815-00	Insulator, Haysite	2	67
71-145815-00	Insulator, Haysite	1	67
71-145817-00	Plate, Base	4	60
71-145817-00	Plate, Base	3	60
72-140200-03	Panel, Side (R/L)	4	43
72-140200-03	Panel, Side (R/L)	3	43
72-140200-03	Panel, Side (R/L)	2	43
72-140200-03	Panel, Side (R/L)	1	43
72-140210-08	Panel, Rear	1	57
72-140210-08	Panel, Rear	2	57
72-140211-09	Panel, Front Kick	1	44
72-140211-09	Panel, Front Kick	2	44
72-140215-09	Panel, Rear Kick	4	58
72-140215-09	Panel, Rear Kick	3	58
72-140215-09	Panel, Rear Kick	1	58
72-140215-09	Panel, Rear Kick	2	58
72-140340-03	Door, Left	4	49
72-140340-03	Door, Left	3	49
72-140340-03	Door, Left	2	49
72-140340-03	Door, Left	1	49
72-140341-03	Door, Right	3	50
72-140341-03	Door, Right	4	50
72-140341-03	Door, Right	2	50
72-140341-03	Door, Right	1	50
72-140349-09	Panel, Front Kick	4	44
72-140349-09	Panel, Front Kick	3	44
72-140379-08	Panel, Rear	4	57
72-140379-08	Panel, Top	4	48
72-140379-08	Panel, Rear	3	57
72-140379-08	Panel, Top	3	48
72-140390-08	Panel, Top Front	4	47
72-140390-08	Panel, Top Front	3	47

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
72-140390-08	Panel, Top Front	1	47
72-140391-08	Panel, Top	2	48
72-140391-08	Panel, Top	1	48
72-140516-00	Transformer, (T5) 480V Output Only	3	61
72-140516-00	Transformer, (T5) 480V Output Only	4	61
72-140516-00	Transformer, (T5) 480V Output Only	2	61
72-140516-00	Transformer, (T5) 480V Output Only	1	61
72-144092-00	KIT, WIRE HARNESS FILU CONTROL	3	Not Shown
72-144092-00	KIT, WIRE HARNESS FILU CONTROL	4	Not Shown
72-144092-00	KIT, WIRE HARNESS FILU CONTROL	2	Not Shown
72-144092-00	KIT, WIRE HARNESS FILU CONTROL	1	Not Shown
72-144093-01	KIT, WIRE HARNESS CONTROL (60 kVA)	3	Not Shown
72-144093-01	KIT, WIRE HARNESS CONTROL (80 kVA)	4	Not Shown
72-144093-02	KIT, WIRE HARNESS CONTROL (40 kVA)	2	Not Shown
72-144093-03	KIT, WIRE HARNESS CONTROL (20 kVA)	1	Not Shown
72-145100-20	Shield, DC Capacitor Kit	4	71
72-145100-20	Shield, DC Capacitor Kit	3	71
72-145100-20	Shield, DC Capacitor Kit	1	71
72-145100-40	Shield, DC Capacitor Kit	2	71
72-145540-00	Capacitor Assembly, AC 40 kVA, 208	2	11
72-1455520-00	Capacitor Assembly, AC 20 kVA, 208	1	11
72-1455580-00	Capacitor Assembly, AC 80 kVA, 208	4	11
72-145560-00	Capacitor Assembly, AC 60 kVA, 208	3	11
72-1455620-00	Capacitor Assembly, AC 20 kVA, 480	1	11
72-1455680-00	Capacitor Assembly, AC 80 kVA, 480	4	11
72-145640-00	Capacitor Assembly, AC 40 kVA, 408	2	11
72-145660-00	Capacitor Assembly, AC 60 kVA, 480	3	11
72-145830-00	Filter Assembly, EMI	3	73
72-145830-00	Filter Assembly, EMI	4	73
72-145830-00	Filter Assembly, EMI	1	73
72-145830-00	Filter Assembly, EMI	2	73
72-145865-00	Cable, Ribbon	3	76
72-145865-00	Cable, Ribbon	4	76
72-145865-00	Cable, Ribbon	1	76
72-145865-00	Cable, Ribbon	2	76
72-145921-00	Cable Assembly, w/Ferrite Shield	4	72
72-145921-00	Cable Assembly, w/Ferrite Shield	3	72
72-145921-00	Cable Assembly, w/Ferrite Shield	2	72
72-145921-00	Cable Assembly, w/Ferrite Shield	1	72
72-145923-01	Cable Assembly, w/Ferrite Shield	3	83
72-145923-01	Cable Assembly, w/Ferrite Shield	4	83
72-145923-01	Cable Assembly, w/Ferrite Shield	1	83
72-145923-01	Cable Assembly, w/Ferrite Shield	2	83
72-145928-01	Cable Assembly, w/Ferrite Shield	3	82
72-145928-01	Cable Assembly, w/Ferrite Shield	4	82
72-145928-01	Cable Assembly, w/Ferrite Shield	2	82
72-145928-01	Cable Assembly, w/Ferrite Shield	1	82
72-15825-00	Panel, Top Front	2	47
8-96040-81	Inductor, Input 208/208	4	66
8-96040-81	Inductor, Input 208/208	3	66
8-96040-81	Inductor, Input 208/208	1	66
8-96040-81	Inductor, Input 208/208	2	66
8-96040-81	Inductor, Input 480/208	2	66
8-96040-83	Inductor, Input 480/208	3	66
8-96040-83	Inductor, Input 480/208	4	66

**INDEX BY PART NUMBER**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
8-96040-83	Inductor, Input 480/208	1	66
87-144000-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	4	14
87-144000-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	3	14
87-144000-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	1	14
87-144000-01	Fuse, 25A 500V (F4, F5, F6) (Qty 10)	2	14
87-144000-02	Fuse, 2A 600V (FILx) (Qty 10)	4	15
87-144000-02	Fuse, 2A 600V (FILx) (Qty 10)	1	15
87-144000-02	Fuse, 2A 600V (FILx) (Qty 10)	2	15
87-144000-02	Fuse, 2A 600V (FILx) (Qty 10)	3	15
HA32A-AH	Model HA32A-AH, 20 kVA 208/208	1	N/A
HA32A-AK	Model HA32A-AK, 40 kVA 208/208	2	N/A
HA32A-AM	Model HA32A-AM, 60 kVA 208/208	3	N/A
HA32A-AN	Model HA32A-AN, 80 kVA 208/208	4	N/A
HA32A-BH	Model HA32A-BK, 20 kVA 408/208	1	N/A
HA32A-BK	Model HA32A-BK, 40 kVA 408/208	2	N/A
HA32A-BM	Model HA32A-BN, 60 kVA 408/208	3	N/A
HA32A-BN	Model HA32A-BN, 80 kVA 408/208	4	N/A
HA32A-CH	Model HA32A-CK, 20 kVA 480/480	1	N/A
HA32A-CK	Model HA32A-CK, 40 kVA 480/480	2	N/A
HA32A-CM	Model HA32A-CM, 60 kVA 480/480	3	N/A
HA32A-CN	Model HA32A-CN, 80 kVA 480/480	4	N/A

**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Backplate, Plastic	6730399	2	62
Backplate, Plastic	6730399	4	62
Backplate, Plastic	6730399	3	62
Backplate, Plastic	6730399	1	62
Blower Assembly (20 kVA)	6730040VE	1	8
Blower Assembly (20 kVA)	29-27313-01	1	8
Blower Assembly (40 kVA)	29-27313-01	2	8
Blower Assembly (40 kVA)	6730040VE	2	8
Blower Assembly (60 kVA)	29-27318-01	3	8
Blower Assembly (60 kVA)	6730080VE	3	8
Blower Assembly (80 kVA)	6730080VE	4	8
Blower Assembly (80 kVA)	29-27318-01	4	8
Bracket, Filter (Order two for a set)	71-145814	4	79
Bracket, Filter (Order two for a set)	71-145814	2	79
Bracket, Filter (Order two for a set)	71-145814	3	79
Bracket, Filter (Order two for a set)	71-145814	1	79
Breaker, Circuit 40A 24 Vdc ST	04-19311-624	3	53
Breaker, Circuit 40A 24 Vdc ST	04-19311-624	4	53
Breaker, Circuit 40A 24 Vdc ST	04-19311-624	1	53
Breaker, Circuit 90A 24 Vdc ST	04-19311-628	3	52
Breaker, Circuit 90A 24 Vdc ST	04-19311-628	4	52
Breaker, Circuit 90A 24 Vdc ST	04-19311-628	1	52
Breaker, Circuit 100A 24 Vdc ST	04-19311-620	3	54
Breaker, Circuit 100A 24 Vdc ST	04-19311-620	4	54
Breaker, Circuit 100A 24 Vdc ST	04-19311-620	2	54
Breaker, Circuit 100A 24 Vdc ST	04-19311-620	1	54
Breaker, Circuit 40A 24 Vdc ST	04-19311-624	2	53
Breaker, Circuit 90A 24 Vdc ST	04-19311-628	2	52
Bushing	04-32022	4	68
Bushing	04-32022	3	68
Bushing	04-32022	2	68
Bushing	04-32022	1	68
Cable Assembly, w/Ferrite Shield	72-145928-01	2	82
Cable Assembly, w/Ferrite Shield	72-145921-00	2	72
Cable Assembly, w/Ferrite Shield	72-145923-01	2	83
Cable Assembly, w/Ferrite Shield	72-145923-01	1	83
Cable Assembly, w/Ferrite Shield	72-145928-01	1	82
Cable Assembly, w/Ferrite Shield	72-145921-00	1	72
Cable Assembly, w/Ferrite Shield	72-145928-01	4	82
Cable Assembly, w/Ferrite Shield	72-145921-00	4	72
Cable Assembly, w/Ferrite Shield	72-145923-01	4	83
Cable Assembly, w/Ferrite Shield	72-145928-01	3	82
Cable Assembly, w/Ferrite Shield	72-145923-01	3	83
Cable Assembly, w/Ferrite Shield	72-145921-00	3	72
Cable Ribbon (Card Cage)	29-27416-01	4	2
Cable Ribbon (Card Cage)	6716330	4	2
Cable Ribbon (Card Cage)	6716330	3	2
Cable Ribbon (Card Cage)	29-27416-01	3	2
Cable, (RS232)	04-11043	4	77
Cable, (RS232)	04-11043	3	77
Cable, (RS232)	04-11043	2	77
Cable, (RS232)	04-11043	1	77
Cable, Communications	04-88014-01	4	75
Cable, Communications	04-88014-01	3	75
Cable, Communications	04-88014-01	2	75

**INDEX BY PART DESCRIPTION**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Cable, Communications	04-88014-01	1	75
Cable, Control (XM1302 to XM63)	04-88016-09	4	Not Shown
Cable, Control (XM1302 to XM63)	04-88016-09	3	Not Shown
Cable, Control (XM1302 to XM63)	04-88016-09	2	Not Shown
Cable, Control (XM1302 to XM63)	04-88016-09	1	Not Shown
Cable, Control (XM1304 to XM54)	04-88016-07	4	Not Shown
Cable, Control (XM1304 to XM54)	04-88016-07	2	Not Shown
Cable, Control (XM1304 to XM54)	04-88016-07	3	Not Shown
Cable, Control (XM1304 to XM54)	04-88016-07	1	Not Shown
Cable, Control (XM1307 to XM151)	04-88016-10	4	Not Shown
Cable, Control (XM1307 to XM151)	04-88016-10	3	Not Shown
Cable, Control (XM1307 to XM151)	04-88016-10	2	Not Shown
Cable, Control (XM1307 to XM151)	04-88016-10	1	Not Shown
Cable, Control (XM2002 to XM83)	04-88016-01	4	Not Shown
Cable, Control (XM2002 to XM83)	04-88016-12	2	Not Shown
Cable, Control (XM2002 to XM83)	04-88016-01	3	Not Shown
Cable, Control (XM2002 to XM85)	04-88016-11	1	Not Shown
Cable, Control (XM2003 to XM83)	04-88016-05	4	Not Shown
Cable, Control (XM2003 to XM83)	04-88016-05	2	Not Shown
Cable, Control (XM2003 to XM83)	04-88016-05	3	Not Shown
Cable, Control (XM2004 to XM83)	04-88016-03	4	Not Shown
Cable, Control (XM2004 to XM83)	04-88016-04	2	Not Shown
Cable, Control (XM2004 to XM83)	04-88016-03	3	Not Shown
Cable, Control (XM2101 to XM33)	04-88016-02	4	Not Shown
Cable, Control (XM2101 to XM33)	04-88016-02	3	Not Shown
Cable, Control (XM2101 to XM33)	04-88016-02	2	Not Shown
Cable, Control (XM2101 to XM33)	04-88016-02	1	Not Shown
Cable, Control (XM5007 to XM43)	04-88016-08	4	Not Shown
Cable, Control (XM5007 to XM43)	04-88016-08	3	Not Shown
Cable, Control (XM5007 to XM43)	04-88016-08	2	Not Shown
Cable, Control (XM5007 to XM43)	04-88016-08	1	Not Shown
Cable, Power (XM1303 to XM66)	04-88015-01	4	Not Shown
Cable, Power (XM1303 to XM66)	04-88015-01	3	Not Shown
Cable, Power (XM1303 to XM66)	04-88015-01	2	Not Shown
Cable, Power (XM1303 to XM66)	04-88015-01	1	Not Shown
Cable, Power (XM2104 to XM16)	04-88015-05	4	Not Shown
Cable, Power (XM2104 to XM16)	04-88015-05	2	Not Shown
Cable, Power (XM2104 to XM16)	04-88015-05	3	Not Shown
Cable, Power (XM2104 to XM16)	04-88015-05	1	Not Shown
Cable, Power (XM2106 to XM1301)	04-88015-03	4	Not Shown
Cable, Power (XM2106 to XM1301)	04-88015-03	2	Not Shown
Cable, Power (XM2106 to XM1301)	04-88015-03	3	Not Shown
Cable, Power (XM2106 to XM1301)	04-88015-03	1	Not Shown
Cable, Power (XM5004 to XM1305)	04-88015-02	4	Not Shown
Cable, Power (XM5004 to XM1305)	04-88015-02	2	Not Shown
Cable, Power (XM5004 to XM1305)	04-88015-02	3	Not Shown
Cable, Power (XM5004 to XM1305)	04-88015-02	1	Not Shown
Cable, Power (XM5005 to XM56)	04-88015-04	4	Not Shown
Cable, Power (XM5005 to XM56)	04-88015-04	3	Not Shown
Cable, Power (XM5005 to XM56)	04-88015-04	2	Not Shown
Cable, Power (XM5005 to XM56)	04-88015-04	1	Not Shown
Cable, Ribbon	72-145865-00	4	76
Cable, Ribbon	72-145865-00	3	76



**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Cable, Ribbon	72-145865-00	2	76
Cable, Ribbon	72-145865-00	1	76
Cable, Ribbon (Card Cage)	6716330	1	2
Cable, Ribbon (Card Cage)	6716330	2	2
Cable, Ribbon (Card Cage)	29-27416-01	2	2
Cable, Ribbon (Card Cage)	29-27416-01	1	2
Capacitor Assembly, AC 80 kVA, 208	29-27413-01	4	11
Capacitor Assembly, AC 80 kVA, 208	72-1455580-00	4	11
Capacitor Assembly, AC 80 kVA, 480	29-27414-01	4	11
Capacitor Assembly, AC 80 kVA, 480	72-1455680-00	4	11
Capacitor Assembly, AC 20 kVA, 208	29-27324-01	1	11
Capacitor Assembly, AC 20 kVA, 208	72-1455520-00	1	11
Capacitor Assembly, AC 20 kVA, 480	72-1455620-00	1	11
Capacitor Assembly, AC 20 kVA, 480	29-27325-01	1	11
Capacitor Assembly, AC 40 kVA, 208	29-27326-01	2	11
Capacitor Assembly, AC 40 kVA, 208	72-145540-00	2	11
Capacitor Assembly, AC 40 kVA, 408	29-27327-01	2	11
Capacitor Assembly, AC 40 kVA, 408	72-145640-00	2	11
Capacitor Assembly, AC 60 kVA, 208	72-145560-00	3	11
Capacitor Assembly, AC 60 kVA, 208	29-27328-01	3	11
Capacitor Assembly, AC 60 kVA, 480	29-27412-01	3	11
Capacitor Assembly, AC 60 kVA, 480	72-145660-00	3	11
Capacitor, 15 UF 6% 550 Vac (C4-C6)	10-31779-01	4	78
Capacitor, 15 UF 6% 550 Vac (C4-C6)	04-08067	4	78
Capacitor, 15 UF 6% 550 Vac (C4-C6)	10-31779-01	3	78
Capacitor, 15 UF 6% 550 Vac (C4-C6)	04-08067	3	78
Capacitor, 15 UF 6% 550 Vac (C4-C6)	10-31779-01	2	78
Capacitor, 15 UF 6% 550 Vac (C4-C6)	04-08067	2	78
Capacitor, 15 UF 6% 550 Vac (C4-C6)	04-08067	1	78
Capacitor, 15 UF 6% 550 Vac (C4-C6)	10-31779-01	1	78
Capacitor, PAP (C28)	04-08082	4	74
Capacitor, PAP (C28)	04-08082	3	74
Capacitor, PAP (C28)	04-08082	2	74
Capacitor, PAP (C28)	04-08082	1	74
Card Cage	29-27411-01	4	24
Card Cage	6730526	4	24
Card Cage	29-27411-01	3	24
Card Cage	6730526	3	24
Card Cage	29-27411-01	1	24
Card Cage	29-27411-01	2	24
Card Cage	6730526	2	24
Card Cage	6730526	1	24
Contact, 175A 600 Vdc Coil (K3N)	29-27344-01	4	10
Contact, 175A 600 Vdc Coil (K3N)	04-08573	4	10
Contact, 175A 600 Vdc Coil (K3N)	04-08573	3	10
Contact, 175A 600 Vdc Coil (K3N)	29-27344-01	3	10
Contact, 175A 600 Vdc Coil (K3N)	29-27344-01	2	10
Contact, 175A 600 Vdc Coil (K3N)	04-08573	2	10
Contact, 285A 600 Vdc Coil (K3N)	29-27345-01	3	10
Contact, 285A 600 Vdc Coil (K3N)	04-08574	3	10
Contact, 300A 600 Vdc Coil (K3N)	04-08575	4	10
Contact, 300A 600 Vdc Coil (K3N)	29-27346-01	4	10
Contact, 40A 600 Vdc Coil (K3N)	29-27342-01	1	10
Contact, 40A 600 Vdc Coil (K3N)	04-08571	1	10
Contact, 60A 600 Vdc Coil (K3N)	29-27343-01	2	10

**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Contactor, 60A 600 Vdc Coil (K3N)	04-08572	2	10
Contactor, 60A 600 Vdc Coil (K3N)	04-08572	1	10
Contactor, 60A 600 Vdc Coil (K3N)	29-27343-01	1	10
Cover, Card Cage	71-145814-00	4	80
Cover, Card Cage	71-145814-00	3	80
Cover, Card Cage	71-145814-00	2	80
Cover, Card Cage	71-145814-00	1	80
Deflector, Air	6716295	4	81
Deflector, Air	6716295	3	81
Deflector, Air	6716295	2	81
Deflector, Air	6716295	1	81
Door Axle (Bottom)	6716017	4	5
Door Axle (Bottom)	29-27420-01	4	5
Door Axle (Bottom)	29-27420-01	3	5
Door Axle (Bottom)	6716017	3	5
Door Axle (Bottom)	29-27420-01	2	5
Door Axle (Bottom)	29-27420-01	1	5
Door Axle (Bottom)	6716017	2	5
Door Axle (Bottom)	6716017	1	5
Door Axle (Top)	29-27419-01	4	4
Door Axle (Top)	6716209	4	4
Door Axle (Top)	6716209	3	4
Door Axle (Top)	29-27419-01	3	4
Door Axle (Top)	6716209	1	4
Door Axle (Top)	6716209	2	4
Door Axle (Top)	29-27419-01	1	4
Door Axle (Top)	29-27419-01	2	4
Door Lock Assembly	04-93502	4	64
Door Lock Assembly	04-93502	2	64
Door Lock Assembly	04-93502	3	64
Door Lock Assembly	04-93502	1	64
Door, Left	72-140340-03	4	49
Door, Left	72-140340-03	3	49
Door, Left	72-140340-03	2	49
Door, Left	72-140340-03	1	49
Door, Right	72-140341-03	4	50
Door, Right	72-140341-03	3	50
Door, Right	72-140341-03	2	50
Door, Right	72-140341-03	1	50
Filter Assembly, EMI	72-145830-00	4	73
Filter Assembly, EMI	72-145830-00	2	73
Filter Assembly, EMI	72-145830-00	3	73
Filter Assembly, EMI	72-145830-00	1	73
Filter, Air (18 x 18 x 1)	29-27329-02	1	1
Filter, Air (18 x 18 x 1)	29-27329-02	2	1
Filter, Air (18 x 18 x 1)	04-23066	1	1
Filter, Air (18 x 18 x 1)	04-23066	2	1
Filter, Air (18 x 25 x 1)	04-23067	4	1
Filter, Air (18 x 25 x 1)	29-27329-01	4	1
Filter, Air (18 x 25 x 1)	04-23067	3	1
Filter, Air (18 x 25 x 1)	29-27329-01	3	1
Fuse, 100A 600V 208 (F1, F2, F3)	12-31782-02	2	17
Fuse, 100A 600V 208 (F1, F2, F3)	04-22058-10	2	17
Fuse, 100A 600V 208 (F1, F2, F3)	12-31782-02	1	17

**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Fuse, 100A 600V 208 (F1, F2, F3)	04-22058-10	1	17
Fuse, 160A 600V 480 (F1, F2, F3)	12-31782-03	2	17
Fuse, 160A 600V 480 (F1, F2, F3)	04-22058-16	2	17
Fuse, 160A 600V 480 (F1, F2, F3)	04-22058-16	3	17
Fuse, 160A 600V 480 (F1, F2, F3)	12-31782-03	3	17
Fuse, 200A 600V 480 (F1, F2, F3)	04-22058-20	4	17
Fuse, 200A 600V 480 (F1, F2, F3)	12-31782-04	4	17
Fuse, 250A 600V 280 (F1, F2, F3)	04-22058-25	3	17
Fuse, 250A 600V 280 (F1, F2, F3)	12-31782-05	3	17
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	12-31780-01	4	14
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	4	14
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	3	14
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	12-31780-01	3	14
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	12-31780-01	1	14
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	12-31780-01	2	14
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	1	14
Fuse, 25A 500V (F4, F5, F6) (Qty 10)	87-144000-01	2	14
Fuse, 2A 600V (FILx) (Qty 10)	87-144000-02	4	15
Fuse, 2A 600V (FILx) (Qty 10)	12-31783-01	4	15
Fuse, 2A 600V (FILx) (Qty 10)	12-31783-01	3	15
Fuse, 2A 600V (FILx) (Qty 10)	87-144000-02	3	15
Fuse, 2A 600V (FILx) (Qty 10)	12-31783-01	2	15
Fuse, 2A 600V (FILx) (Qty 10)	87-144000-02	1	15
Fuse, 2A 600V (FILx) (Qty 10)	12-31783-01	1	15
Fuse, 2A 600V (FILx) (Qty 10)	87-144000-02	2	15
Fuse, 315A 600V 280 (F1, F2, F3)	12-31782-06	4	17
Fuse, 315A 600V 280 (F1, F2, F3)	04-22058-31	4	17
Fuse, 5A 600V 20-80 kVA	12-31783-03	4	16
Fuse, 5A 600V 20-80 kVA	12-31783-03	3	16
Fuse, 5A 600V 20-80 kVA	12-31783-03	1	16
Fuse, 5A 600V 20-80 kVA	12-31783-03	2	16
Fuse, 63A 600V 480 (F1, F2, F3)	04-22058-06	1	17
Fuse, 63A 600V 480 (F1, F2, F3)	12-31782-01	1	17
Fuse, 6A 600V (Not Shown)	12-31783-02	4	84
Fuse, 6A 600V (Not Shown)	12-31783-02	2	84
Fuse, 6A 600V (Not Shown)	12-31783-02	3	84
Fuse, 6A 600V (Not Shown)	12-31783-02	1	84
Fuseblock	04-22045	4	69
Fuseblock	04-22045	3	69
Fuseblock	04-22045	2	69
Fuseblock	04-22045	1	69
HA3000 UPS CABINET (20 kVA)	N/A	1	N/A
HA3000 UPS CABINET (40 kVA)	N/A	2	N/A
HA3000 UPS CABINET (60 kVA)	N/A	3	N/A
HA3000 UPS CABINET (80 kVA)	N/A	4	N/A
Handle	04-72184	2	56
Handle	04-72184	1	56
Handle, 125A (Q3BP, Q5N)	04-72184	4	56
Handle, 125A (Q3BP, Q5N)	04-72184	3	56
Handle, 400A (Q3BP, Q5N)	04-72185	4	56
Handle, 400A (Q3BP, Q5N)	04-72185	3	56
Hinge, EPS	04-28017	4	9
Hinge, EPS	04-28017	3	9
Hinge, EPS	04-28017	1	9
Hinge, EPS	04-28017	2	9

**INDEX BY PART DESCRIPTION**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Inductor, Input 208/208	8-96040-81	4	66
Inductor, Input 208/208	8-96040-81	2	66
Inductor, Input 208/208	8-96040-81	3	66
Inductor, Input 208/208	8-96040-81	1	66
Inductor, Input 480/208	8-96040-83	4	66
Inductor, Input 480/208	8-96040-83	3	66
Inductor, Input 480/208	8-96040-81	2	66
Inductor, Input 480/208	8-96040-83	1	66
Insulator, Haysite	71-145815-00	4	67
Insulator, Haysite	71-145815-00	2	67
Insulator, Haysite	71-145815-00	3	67
Insulator, Haysite	71-145815-00	1	67
KIT, WIRE HARNESS CONTROL (20 kVA)	72-144093-03	1	Not Shown
KIT, WIRE HARNESS CONTROL (40 kVA)	72-144093-02	2	Not Shown
KIT, WIRE HARNESS CONTROL (60 kVA)	72-144093-01	3	Not Shown
KIT, WIRE HARNESS CONTROL (80 kVA)	72-144093-01	4	Not Shown
KIT, WIRE HARNESS FILU CONTROL	72-144092-00	4	Not Shown
KIT, WIRE HARNESS FILU CONTROL	72-144092-00	2	Not Shown
KIT, WIRE HARNESS FILU CONTROL	72-144092-00	3	Not Shown
KIT, WIRE HARNESS FILU CONTROL	72-144092-00	1	Not Shown
Model HA32A-AH, 20 kVA 208/208	HA32A-AH	1	N/A
Model HA32A-AH, 20 kVA 208/208	20-144022-22	1	N/A
Model HA32A-AK, 40 kVA 208/208	20-144042-22	2	N/A
Model HA32A-AK, 40 kVA 208/208	HA32A-AK	2	N/A
Model HA32A-AM, 60 kVA 208/208	20-144062-22	3	N/A
Model HA32A-AM, 60 kVA 208/208	HA32A-AM	3	N/A
Model HA32A-AN, 80 kVA 208/208	HA32A-AN	4	N/A
Model HA32A-AN, 80 kVA 208/208	20-144082-22	4	N/A
Model HA32A-BK, 20 kVA 408/208	HA32A-BH	1	N/A
Model HA32A-BK, 20 kVA 408/208	20-144022-42	1	N/A
Model HA32A-BK, 40 kVA 408/208	HA32A-BK	2	N/A
Model HA32A-BK, 40 kVA 408/208	20-144042-42	2	N/A
Model HA32A-BN, 60 kVA 408/208	20-144062-42	3	N/A
Model HA32A-BN, 60 kVA 408/208	HA32A-BM	3	N/A
Model HA32A-BN, 80 kVA 408/208	20-144082-42	4	N/A
Model HA32A-BN, 80 kVA 408/208	HA32A-BN	4	N/A
Model HA32A-CK, 20 kVA 480/480	20-144022-44	1	N/A
Model HA32A-CK, 20 kVA 480/480	HA32A-CH	1	N/A
Model HA32A-CK, 40 kVA 480/480	HA32A-CK	2	N/A
Model HA32A-CK, 40 kVA 480/480	20-144042-44	2	N/A
Model HA32A-CM, 60 kVA 480/480	20-144062-44	3	N/A
Model HA32A-CM, 60 kVA 480/480	HA32A-CM	3	N/A
Model HA32A-CN, 80 kVA 480/480	20-144082-44	4	N/A
Model HA32A-CN, 80 kVA 480/480	HA32A-CN	4	N/A
Module, ALIP	29-27299-01	4	25
Module, ALIP	6716790	4	25
Module, ALIP	29-27299-01	3	25
Module, ALIP	6716790	3	25
Module, ALIP	29-27299-01	1	25
Module, ALIP	6716790	1	25
Module, ALIP	6716790	2	25
Module, AQCF (480 Vac Input)	673071F	4	33
Module, AQCF (480 Vac Input)	29-27306-01	4	33

**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Module, AQCF (480 Vac Input)	673071F	3	33
Module, AQCF (480 Vac Input)	29-27306-01	3	33
Module, AQCF (480 Vac Input)	6730714F	2	33
Module, ALIP	29-27299-01	2	25
Module, AQCF (480 Vac Input)	673071F	1	33
Module, AQCF (480 Vac Input)	29-27306-01	2	33
Module, AQCF (480 Vac Input)	29-27306-01	1	33
Module, AQCT (208 Vac Input)	29-27304-01	2	33
Module, AQCT (208 Vac Input)	6730714T	2	33
Module, AQCT (280 Vac Input)	6730714T	4	33
Module, AQCT (280 Vac Input)	29-27304-01	4	33
Module, AQCT (280 Vac Input)	6730714T	3	33
Module, AQCT (280 Vac Input)	29-27304-01	3	33
Module, AQCT (280 Vac Input)	6730714T	1	33
Module, AQCT (280 Vac Input)	29-27304-01	1	33
Module, AQOF (480 Vac Input)	6730706F	3	34
Module, AQOF (480 Vac Input)	29-27307-01	3	34
Module, AQOF (480 Vac Output)	6730706F	4	34
Module, AQOF (480 Vac Output)	29-27307-01	4	34
Module, AQOF (480 Vac Output)	6730706F	2	34
Module, AQOF (480 Vac Output)	29-27307-01	2	34
Module, AQOF (480 Vac Output)	29-27307-01	1	34
Module, AQOF (480 Vac Output)	6730706F	1	34
Module, AQOT (208 Vac Output)	29-27305-01	2	34
Module, AQOT (208 Vac Output)	6730706T	2	34
Module, AQOT (280 Vac Input)	6730706T	3	34
Module, AQOT (280 Vac Input)	29-27305-01	3	34
Module, AQOT (280 Vac Output)	29-27305-01	4	34
Module, AQOT (280 Vac Output)	6730706T	4	34
Module, AQOT (280 Vac Output)	6730706T	1	34
Module, AQOT (280 Vac Output)	29-27305-01	1	34
Module, CANP	6716710U	4	28
Module, CANP	29-27302-01	4	28
Module, CANP	6716710U	3	28
Module, CANP	29-27302-01	3	28
Module, CANP	29-27302-01	1	28
Module, CANP	6716710U	2	28
Module, CANP	29-27302-01	2	28
Module, CANP	6716710U	1	28
Module, Capacitor, DC (1 Four Pack)	29-27415-01	4	12
Module, Capacitor, DC (1 Four Pack)	6733200BC	4	12
Module, Capacitor, DC (1 Four Pack)	29-27415-01	3	12
Module, Capacitor, DC (1 Four Pack)	6733200BC	3	12
Module, Capacitor, DC (1 Four Pack)	6733200BC	2	12
Module, Capacitor, DC (1 Four Pack)	29-27415-01	2	12
Module, Capacitor, DC (1 Four Pack)	29-27415-01	1	12
Module, Capacitor, DC (1 Four Pack)	6733200BC	1	12
Module, CHAP	29-27300-01	4	26
Module, CHAP	6716702	4	26
Module, CHAP	6716702	3	26
Module, CHAP	29-27300-01	3	26
Module, CHAP	6716702	1	26
Module, CHAP	29-27300-01	1	26
Module, CHAP	29-27300-01	2	26
Module, CHAP	6716702	2	26

**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Module, Charger	6730080CB	4	3
Module, Charger	29-27317-01	4	3
Module, Charger	6730060CB	3	3
Module, Charger	29-27316-01	3	3
Module, Charger	6730040CB	2	3
Module, Charger	29-27315-01	2	3
Module, Charger	29-27314-01	1	3
Module, Charger	6730020CB	1	3
Module, DIFP	6716870	4	35
Module, DIFP	29-28004-01	4	35
Module, DIFP	6716870	2	35
Module, DIFP	29-28004-01	3	35
Module, DIFP	29-28004-01	2	35
Module, DIFP	6716870	3	35
Module, DIFP	6716870	1	35
Module, DIFP	29-28004-01	1	35
Module, DISP	6716866	4	36
Module, DISP	29-28005-01	4	36
Module, DISP	29-28005-01	3	36
Module, DISP	6716866	3	36
Module, DISP	29-28005-01	2	36
Module, DISP	6716866	2	36
Module, DISP	6716866	1	36
Module, DISP	29-28005-01	1	36
Module, Display AFIO	29-27308-01	4	37
Module, Display AFIO	6730525	4	37
Module, Display AFIO	29-27308-01	3	37
Module, Display AFIO	6730525	3	37
Module, Display AFIO	29-27308-01	2	37
Module, Display AFIO	6730525	2	37
Module, Display AFIO	6730525	1	37
Module, Display AFIO	29-27308-01	1	37
Module, Electronic Key (To XM1306)	29-28129-01	4	38
Module, Electronic Key (To XM1306)	29-28129-01	3	38
Module, Electronic Key (To XM1306)	29-28129-01	2	38
Module, Electronic Key (To XM1306)	29-28129-01	1	38
Module, FALP	6716883	4	32
Module, FALP	6716883	3	32
Module, FALP	6716883	1	32
Module, FALP	6716883	2	32
Module, FILO (Early Model)	6730730	4	29
Module, FILO (Early Model)	29-27323-01	4	29
Module, FILO (Early Model)	29-27323-01	3	29
Module, FILO (Early Model)	6730730	3	29
Module, FILO (Early Model)	6730730	1	29
Module, FILO (Early Model)	29-27323-01	2	29
Module, FILO (Early Model)	6730730	2	29
Module, FILO (Early Model)	29-27323-01	1	29
Module, FILU (Current Model)	6719162	4	29
Module, FILU (Current Model)	6719162	3	29
Module, FILU (Current Model)	6719162	2	29
Module, FILU (Current Model)	6719162	1	29
Module, FMUP	6716888	4	31
Module, FMUP	6716888	3	31
Module, FMUP	6716888	2	31

**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Module, FMUP	6716888	1	31
Module, Inverter	29-27312-01	4	6
Module, Inverter	6730080MU	4	6
Module, Inverter	29-27311-01	3	6
Module, Inverter	6730060MU	3	6
Module, Inverter	6730020MU	1	6
Module, Inverter	6730040MU	2	6
Module, Inverter	29-27309-01	1	6
Module, Inverter	29-27310-01	2	6
Module, ODUP	29-27301-01	4	27
Module, ODUP	6716750	4	27
Module, ODUP	6716750	3	27
Module, ODUP	29-27301-01	3	27
Module, ODUP	6716750	1	27
Module, ODUP	29-27301-01	1	27
Module, ODUP	6716750	2	27
Module, ODUP	29-27301-01	2	27
Module, TACO	6730180	4	30
Module, TACO	29-27303-01	4	30
Module, TACO	6730180	3	30
Module, TACO	29-27303-01	3	30
Module, TACO	29-27303-01	1	30
Module, TACO	6730180	1	30
Module, TACO	29-27303-01	2	30
Module, TACO	6730180	2	30
Nut, Tinnerman No. 10-32	04-73350	4	51
Nut, Tinnerman No. 10-32	04-73350	2	51
Nut, Tinnerman No. 10-32	04-73350	3	51
Nut, Tinnerman No. 10-32	04-73350	1	51
Panel, Front Kick	72-140349-09	4	44
Panel, Front Kick	72-140349-09	3	44
Panel, Front Kick	72-140211-09	2	44
Panel, Front Kick	72-140211-09	1	44
Panel, Rear	72-140379-08	4	57
Panel, Rear	72-140210-08	2	57
Panel, Rear	72-140379-08	3	57
Panel, Rear	72-140210-08	1	57
Panel, Rear Kick	72-140215-09	4	58
Panel, Rear Kick	72-140215-09	2	58
Panel, Rear Kick	72-140215-09	3	58
Panel, Rear Kick	72-140215-09	1	58
Panel, Side (R/L)	72-140200-03	4	43
Panel, Side (R/L)	72-140200-03	3	43
Panel, Side (R/L)	72-140200-03	2	43
Panel, Side (R/L)	72-140200-03	1	43
Panel, Top	72-140379-08	4	48
Panel, Top	72-140391-08	2	48
Panel, Top	72-140379-08	3	48
Panel, Top	72-140391-08	1	48
Panel, Top Front	72-140390-08	4	47
Panel, Top Front	72-140390-08	3	47
Panel, Top Front	72-15825-00	2	47
Panel, Top Front	72-140390-08	1	47
Plate, Base	71-145817-00	4	60
Plate, Base	71-145817-00	3	60

**INDEX BY PART DESCRIPTION**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Plate, Base	71-145417-00	2	60
Plate, Base	71-145417-00	1	60
Rail, Guide	6730398	4	42
Rail, Guide	6730398	3	42
Rail, Guide	6730398	2	42
Rail, Guide	6730398	1	42
Resistor, 27 ohm 200W (R4, R5, R6)	0864454	2	13
Resistor, 27 ohm 200W (R4, R5, R6)	13-31781-01	2	13
Resistor, 27 ohm 200W (R4, R5, R6)	13-31781-01	4	13
Resistor, 27 ohm 200W (R4, R5, R6)	0864454	4	13
Resistor, 27 ohm 200W (R4, R5, R6)	0864454	3	13
Resistor, 27 ohm 200W (R4, R5, R6)	13-31781-01	3	13
Resistor, 27 ohm 200W (R4, R5, R6)	0864454	1	13
Resistor, 27 ohm 200W (R4, R5, R6)	13-31781-01	1	13
Screw (Side Panel)	04-73045	4	45
Screw (Side Panel)	04-73045	3	45
Screw (Side Panel)	04-73045	2	45
Screw (Side Panel)	04-73045	1	45
Screw, (Kickpanel) (Front/Rear)	04-73155	1	59
Screw, (Kickpanel) (Front/Rear)	04-73155	4	59
Screw, (Kickpanel) (Front/Rear)	04-73155	2	59
Screw, (Kickpanel) (Front/Rear)	04-73155	3	59
Shield, DC Capacitor Kit	72-145100-20	4	71
Shield, DC Capacitor Kit	72-145100-40	2	71
Shield, DC Capacitor Kit	72-145100-20	3	71
Shield, DC Capacitor Kit	72-145100-20	1	71
Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182	4	40
Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182	3	40
Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182	2	40
Spacer, 1/2" (Clip End and Female Thread) (Qty 10)	04-72182	1	4
Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181	4	39
Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181	3	39
Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181	2	39
Spacer, 1/2" (Male Thread and Female Thread) (Qty 8)	04-72181	1	39
Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183	4	41
Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183	2	41
Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183	3	41
Spacer, 3/4" (Clip End and Male Thread) (Qty 6)	04-72183	1	41
Standoff (1")	04-32002	4	65
Standoff (1")	04-32002	3	65
Standoff (1")	04-32002	2	65
Standoff (1")	04-32002	1	65
Switch, 125A (Q3BP, Q5N)	04-19301-651	4	55
Switch, 125A (Q3BP, Q5N)	04-19301-651	2	55
Switch, 125A (Q3BP, Q5N)	04-19301-651	3	55
Switch, 125A (Q3BP, Q5N)	04-19301-651	1	55
Switch, Fuse Indicator	04-22020	4	70
Switch, Fuse Indicator	04-22020	2	70
Switch, Fuse Indicator	04-22020	3	70
Switch, Fuse Indicator	04-22020	1	70
Switch, Static (20 kVA 208 Vac Output)	29-27319-01	1	7
Switch, Static (20 kVA 208 Vac Output)	6730401T	1	7
Switch, Static (20 kVA 408 Vac Output)	6730801F	1	7
Switch, Static (20 kVA 408 Vac Output)	29-27322-01	1	7



**INDEX BY PART DESCRIPTION**  
**HA3000 UNINTERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Switch, Static (40 kVA 208 Vac Output)	29-27319-01	2	7
Switch, Static (40 kVA 208 Vac Output)	6730401T	2	7
Switch, Static (40 kVA 408 Vac Output)	29-27322-01	2	7
Switch, Static (40 kVA 408 Vac Output)	6730801F	2	7
Switch, Static (60 kVA 208 Vac Output)	29-27320-01	3	7
Switch, Static (60 kVA 208 Vac Output)	6730601T	3	7
Switch, Static (60 kVA 408 Vac Output)	29-27322-01	3	7
Switch, Static (60 kVA 408 Vac Output)	6730601F	3	7
Switch, Static (80 kVA 208 Vac Output)	29-27321-01	4	7
Switch, Static (80 kVA 208 Vac Output)	6730801T	4	7
Switch, Static (80 kVA 408 Vac Output)	29-27322-01	4	7
Switch, Static (80 kVA 408 Vac Output)	6730801F	4	7
Switch, Thermal	04-22009	4	63
Switch, Thermal	04-22009	3	63
Switch, Thermal	04-22009	2	63
Switch, Thermal	04-22009	1	63
Terminal Block, 12 Point (TB1, TB2, TB3)	04-76024	3	18
Terminal Block, 12 Point (TB1, TB2, TB3)	04-76024	1	18
Terminal Block, 12 Point (TB1, TB2, TB3)	04-76024	2	18
Terminal Block, 12 Point (TB1, TB2, TB3)	04-76024	4	18
Transformer, (T5) 480V Output Only	72-140516-00	2	61
Transformer, (T5) 480V Output Only	72-140516-00	4	61
Transformer, (T5) 480V Output Only	72-140516-00	3	61
Transformer, (T5) 480V Output Only	72-140516-00	1	61
Transformer, (T6) 380V Output	04-77225	4	61
Transformer, (T6) 380V Output	04-77225	3	61
Transformer, (T6) 380V Output	04-77225	2	61
Transformer, (T6) 380V Output	04-77225	1	61
Transformer, (T6) 415V Output	04-77226	4	61
Transformer, (T6) 415V Output	04-77226	3	61
Transformer, (T6) 415V Output	04-77226	2	61
Transformer, (T6) 415V Output	04-77226	1	61
Transformer, (T6) 480V Output	04-77224	4	61
Transformer, (T6) 480V Output	04-77224	3	61
Transformer, (T6) 480V Output	04-77224	2	61
Transformer, (T6) 480V Output	04-77224	1	61
Transformer, 100/1	6730491	2	20
Transformer, 100/1	29-27331-01	2	20
Transformer, 100/1	6730491	1	20
Transformer, 100/1	29-27331-01	1	20
Transformer, 150/1	29-27332-01	3	20
Transformer, 150/1	6730493	3	20
Transformer, 200/1 480 Output CT5, 6, 7	6730494	2	21
Transformer, 200/1 480 Output CT5, 6, 7	29-27333-01	2	21
Transformer, 200/1 480 Output CT5, 6, 7	6730494	4	20
Transformer, 200/1 480 Output CT5, 6, 7	29-27333-01	4	20
Transformer, 300/1	6730496	3	21
Transformer, 300/1	29-27334-01	3	21
Transformer, 400/1 280 Output CT5, 6, 7	6730497	4	21
Transformer, 400/1 280 Output CT5, 6, 7	29-27417-01	4	21
Transformer, 50/1	29-27330-01	1	21
Transformer, 50/1	6730490	1	21
Transformer, Current Hall Effect (CT3, CT4)	29-27418-01	3	19
Transformer, Current Hall Effect (CT3, CT4)	6730281	3	19

**INDEX BY PART DESCRIPTION**  
**HA3000 UNITERRUPTIBLE POWER SYSTEM**

DESCRIPTION	PART NO.	FIG. NO.	ITEM NO.
Transformer, Current Hall Effect (CT3, CT4)	6730281	1	19
Transformer, Current Hall Effect (CT3, CT4)	29-27418-01	2	19
Transformer, Current Hall Effect (CT3, CT4)	6730281	2	19
Transformer, Current Hall Effect (CT3, CT4)	29-27418-01	1	19
Transformer, Current Hall Effect (CT3, CT4)	29-27418-01	4	19
Transformer, Current Hall Effect (CT3, CT4)	6730281	4	19
Washer	04-73315	4	46
Washer	04-73315	2	46
Washer	04-73315	3	46
Washer	04-73315	1	46
Washer, Belleville 1/4 (Not Shown)	04-73321	4	23
Washer, Belleville 1/4 (Not Shown)	04-73321	3	23
Washer, Belleville 1/4 (Not Shown)	04-73321	1	23
Washer, Belleville 1/4 (Not Shown)	04-73321	2	23
Washer, Belleville 5/16 (Not Shown)	04-73327	4	22
Washer, Belleville 5/16 (Not Shown)	04-73327	3	22
Washer, Belleville 5/16 (Not Shown)	04-73327	2	22
Washer, Belleville 5/16 (Not Shown)	04-73327	1	22

# READER'S COMMENTS

HA3000 UPS Cabinet  
Illustrated Parts Breakdown  
EK-HA300-IP-001

## 1. How did you use this manual? (Circle your response.)

- (a) Installation (c) Maintenance (e) Training  
(b) Operation/Use (d) Programming (f) Other (Please specify) \_\_\_\_\_

## 2. Did the manual meet your needs? Yes ☐ No ☐ Why? \_\_\_\_\_

## 3. Please rate the manual on the following categories. (Circle your response.)

	Excellent	Good	Fair	Poor	Unacceptable
Accuracy	5	4	3	2	1
Clarity	5	4	3	2	1
Completeness	5	4	3	2	1
Illustrations, examples	5	4	3	2	1
Overall ease of use	5	4	3	2	1
Table of Content, Index	5	4	3	2	1

## 4. What things did you like *most* about this manual? \_\_\_\_\_

## 5. What things did you like *least* about this manual? \_\_\_\_\_

## 6. Please list and describe any errors you found in the manual.

Page	Description/Location of Error
_____	_____
_____	_____
_____	_____
_____	_____

## 7. Which of the following most clearly describes your job ? (Circle your response.)

- (a) Administrative Support (e) System Manager (i) Education/Trainer  
(b) Manager/Supervisor (f) Computer Operator (j) Sales/Marketing  
(c) Scientist/Engineer (g) Software Support (k) Other (Please specify) \_\_\_\_\_  
(d) Programmer/Analyst (h) Hardware Support

### OPTIONAL INFORMATION

Name \_\_\_\_\_ Job Title \_\_\_\_\_  
Street \_\_\_\_\_ Company \_\_\_\_\_  
City \_\_\_\_\_ Department \_\_\_\_\_  
State/Country \_\_\_\_\_ Telephone Number \_\_\_\_\_  
Postal (ZIP) Code \_\_\_\_\_ Date \_\_\_\_\_

THANK YOU FOR YOUR COMMENTS AND SUGGESTIONS.

Please do not use this form to order manuals. Contact your representative at Digital Equipment Corporation or (in the USA) call our DECdirect™ department at this toll-free number : 800-258-1710

**20 kVA  
CABINET**

**40 kVA  
CABINET**

**60 kVA  
CABINET**

**80 kVA  
CABINET**

## **PART NUMBER/DESCRIPTION INDEX**