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220

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ILLUSTRATED PARTS BREAKDOWN

220QH PEDESTAL SYSTEM

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

RELATED IPB INFORMATION

PRINTING

ECO LEVEL

1st Printing

220QH 00000-00000
70-25775 00006-00006

DATE

17-DEC-90

ENCLOSURE LEVEL:

EK-440AA-IP

MASS STORAGE:

EK-441AA-IP

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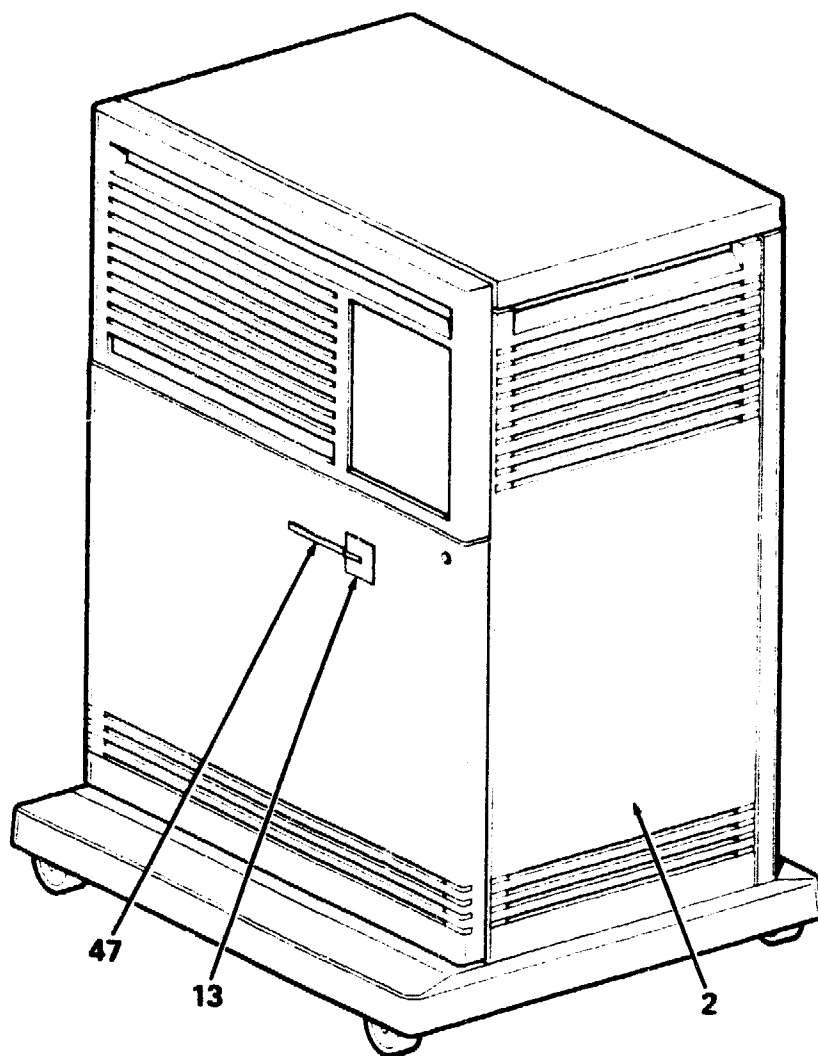
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☐ ▢ INDICATES FRU LEVEL PARTS.

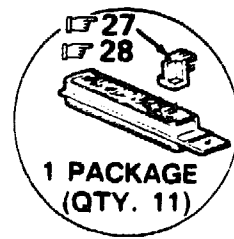
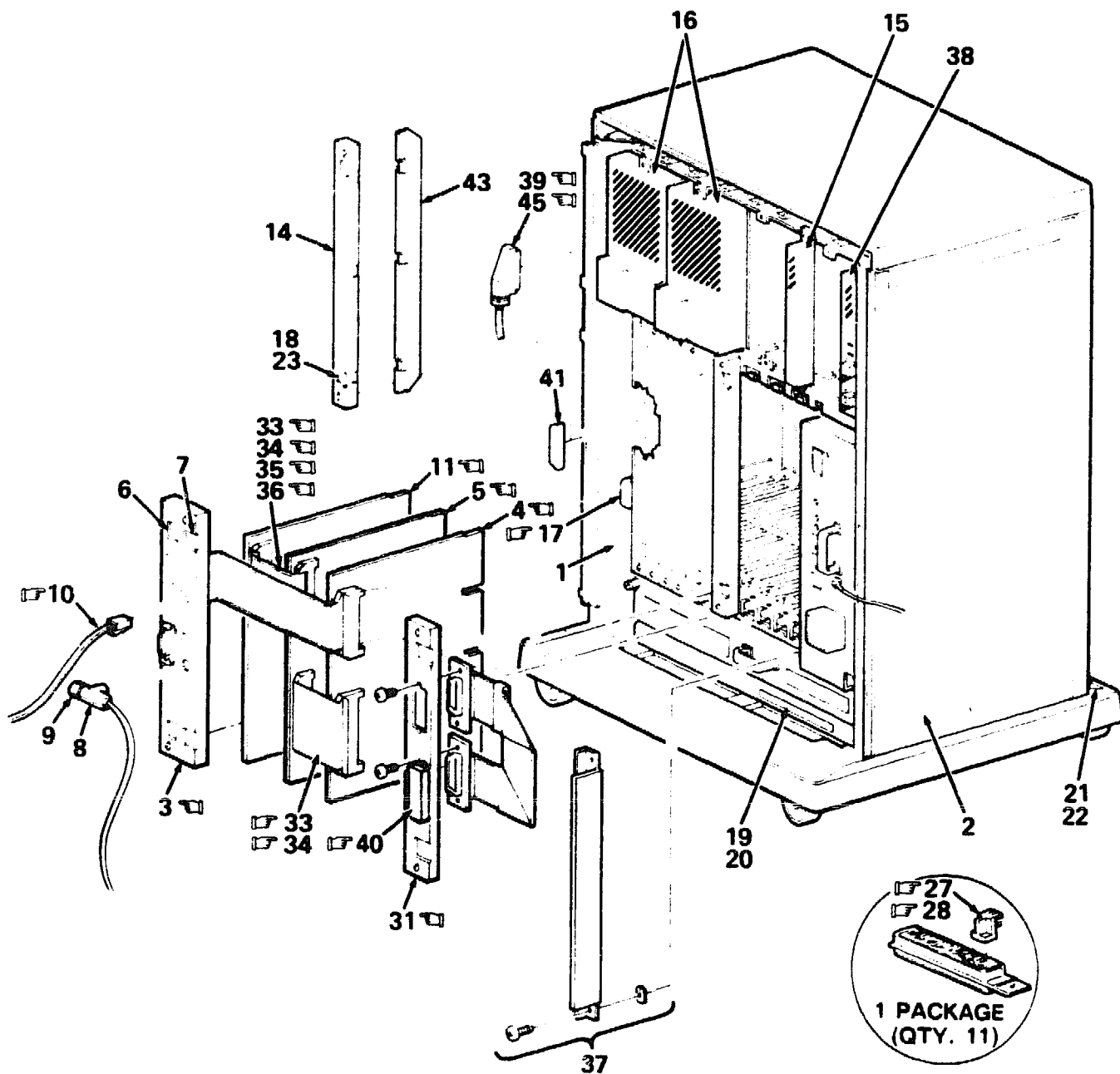


220QH-01-BD

Figure 1. 220QH Pedestal System (Sheet 1 of 2)

PARTS LIST

☐ ☐ INDICATES FRU LEVEL PARTS.



220QH-01A-BD

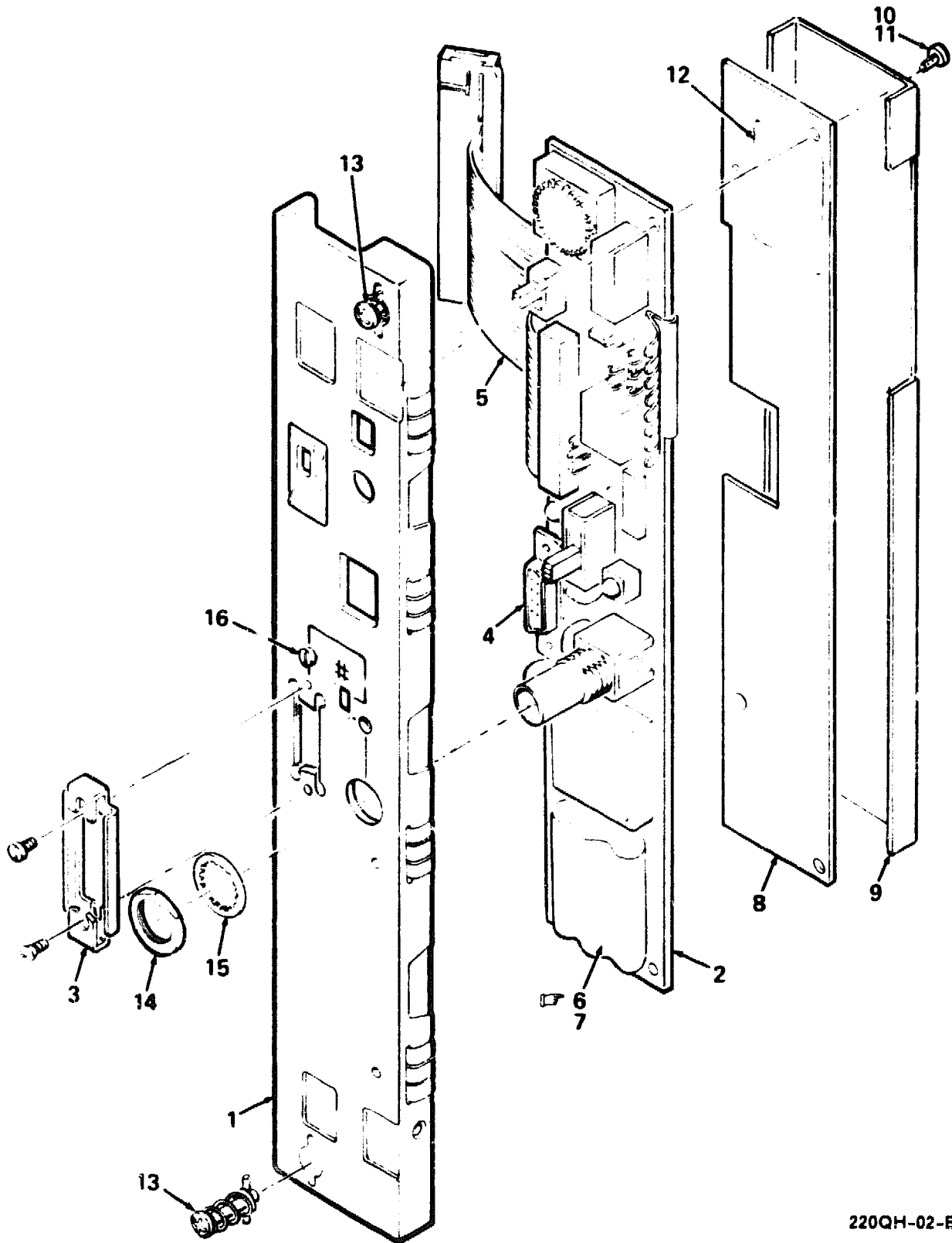
Figure 1. 220QH Pedestal System (Sheet 2 of 2)

PARTS LIST

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 220QH 00000	USED ON CODE	REF FIG NO.
1-	220QH PEDESTAL SYSTEM				
	Code A - Used on 220QH-A9 120/240V (w/o Skins)	220QH-A9		A	
	Code B - Used on 220QH-B9 120/240V (w/Skins)	220QH-B9		B	
1	*Chassis Assembly, BA430 (w/o Skins) (See IPB Manual EK-440AA-IP)	70-27437-01		A	
2	*Chassis Assembly, BA430 (w/Skins) (See IPB Manual EK-440AA-IP)	70-27437-02		B	
3	*BULKHEAD ASSEMBLY, H3602 MODULE	70-25775-03			2
4	*Module, KN220 I/O	M7638-AA			
5	*Module, KN220 CPU	M7637-AA			
6	*Label, "Module Number M7637-AA"	36-26883-A0			
7	*Label, "Module Number M7638-AA"	36-26883-A1			
8	*Tee, BNC Coaxial	12-25869-01			
9	*Connector, BNC Coaxial	12-26318-01			
10	*Cable Assembly, 06 Conductor	17-01364-02			
11	*Module, KN220 32MB Memory (M7639-AA)	MS220-AA			
12	*Label, "Module Number M7639-AA" (Not Shown)	36-26883-A2			
13	*Medallion, DECsystem 5500	74-40913-07		B	
14	*Bulkhead Assembly, Front	70-23981-01			
15	*Bezel Assembly, Filler	70-27414-01			
16	*Bezel Assembly, Disk Drive	70-27049-02			
17	*Connector, DSSI Terminator	12-29258-01			
18	*Label, "BA2XX Rev" (Rolled)	36-29163-07			
19	*Label, "Serial/Model BA440, Made in USA"	36-32668-01			
20	*Label, "Serial/Model BA440, Made in UK"	36-32668-02			
21	*Label, "Pedestal BA440, Made in USA"	36-32667-12		B	
22	*Label, "Pedestal BA440, Made in UK"	36-32667-13		B	
23	*Label, "BA2XX Rev" (Sheeted)	36-29164-07			
24	*Package Assembly (Not Shown)	37-01072-07		B	
25	*Package Assembly (Not Shown)	37-01072-08		A	
26	*Label, "FTZ Postcard Series BA400" (Not Shown)	36-30422-52			
27	*Encoder Set, Lens (DSSI Unit ID Plug)	12-28766-19			
28	*Encoder Set, Lens (SCSI Unit ID Plug)	12-28766-28			
29	*Label, "Module Utilization" (Not Shown)	36-27923-01			
30	*Bag, 2 Mil Thick, Clear Poly Reclose (Not Shown)	99-06557-30			
31	*HANDLE, SCSI	70-27464-01			
	**Screw, Mach Flat Hd. No 4-40 x 7/16	90-00039-14			
	**Cable Assembly, 50-Pin	17-02665-01			

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	X13 ECO CUT-IN 220QH 00000	USED ON CODE	REF FIG NO.
1-					
32	*Label, "Logo/Model, Serial" (Not Shown)	36-33152-11		A	
33	*Cable Assembly, 100 Cond Flat (1-2 Mem.)	17-02700-01			
34	*Cable Assembly, 100 Cond Flat (3 Mem.)	17-02700-02			
35	*Cable Assembly, 100 Cond Flat (4 Mem.)	17-02700-03			
36	*Cable Assembly, 100 Cond Flat (5 Mem.)	17-02700-04			
37	*Bulkhead Assembly, Blank	70-28083-02			
38	*Control Assembly, System (See IPB Manual EK-440AA-IP)	70-27044-01			
39	*Cable Assembly, 50 Conductor Molded Shielded (BC06P-2F) (2.5 Ft.)	17-02659-03			
40	*Connector, SCSI Terminator	12-30552-01			
41	*Cover, 50 Pin IDC Connector	12-33377-01			
42	*Power Cord, 120V 10A (2.5M) (BN20A-2E) (US/Japan/Canada) (Not Shown) (See Note)	17-00083-43			
43	*Panel Assembly, Gap Filler	70-24071-01			
44	*Label, "Bar Code" (Not Shown)	36-18460-06			
45	*Cable Assembly, 50 Conductor Molded Shielded (BC06P-06) (6 Ft.)	17-02659-02			
46	*Documentation, VAX 4000 Installation Checklist (Not Shown)	EK-V4000-IN			
47	*Strip, Color	74-40914-01		B	
	FRU ITEMS (Not Shown)				
	*Backplane Assembly	54-20181-01			
	*Battery, NVRAM CPU 2.8V (Located On M7637-AA)	12-33140-01			
	*Cable, DSSI External Bulkhead	17-02502-01			
	*Cable, SCSI External Bulkhead	17-02542-01			
	*Module, Interface Card (Used On BA430 and BA400X Only). (Located Behind Blank Bulkhead Assembly, Item No. 37).	M9715-AA			
	NOTE: Reference Index For 240V Power Cords.				

INDICATES FRU LEVEL PARTS.



220QH-02-BD

Figure 2. Bulkhead Assembly, H3602 Module

PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-25775 00006	USED ON CODE	REF FIG NO.
2-	BULKHEAD ASSEMBLY, H3602 MODULE	70-25775-03			1
1	*Bulkhead Assembly, Front Dual	70-23982-14			
2	*Module, SLU Console	54-17381-03			
3	*Latch Assembly, 2 Piece Slide w/Hardware	12-18489-04			
4	*Latch Assembly, 15-Pin Slide w/o Hardware	12-18489-03			
5	*Cable Assembly, 5-Pin to 40-Pin Connector	17-02666-01			
6	*Battery, 3 Cell 3.75V .18ma Nicad (-01 Replacement For -00)	12-19245-01			
7	*Tape, Velcro	12-26595-02			
8	*Insulator, Shield	74-37167-02			
9	*Shield, H3602	74-42177-01			
10	*Screw, Self-Tap Truss Hd No. 6 x 5/16	90-00063-78			
11	*Washer, Flat	90-06659-00			
12	*Label, "Baud Select"	36-26584-01			
13	Fastener, 1/4 Turn (Not Part of This Assembly, Shown For Reference Only.)	12-26948-01			
14	*Nut, Hex No. 1/2-28	90-10563-01			
15	*Washer, Internal Tooth Lock No. 6 (Bronze)	90-00037-05			
16	*Screw, Self-Tap Truss Hd No. 4 x 5/16	90-00063-02			
	ITEMS (Not Shown)				
	*Label, "Direct Thermal"	36-28231-08			
	*Package Assembly (Not Shown)	37-00983-12			
					Ω

PART NUMBER/DESCRIPTION INDEX



**INDEX BY DEC PART NUMBER
220QH PEDESTAL SYSTEM**

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
12-18489-03	Latch Assembly, 15-Pin Slide w/o Hardware	2	4
12-18489-04	Latch Assembly, 2 Piece Slide w/Hardware	2	3
12-19245-01	Battery, 3 Cell 3.75V .18ma Nicad (-01 Replacement For -00)	2	6
12-25869-01	Tee, BNC Coaxial	1	8
12-26318-01	Connector, BNC Coaxial	1	9
12-26595-02	Tape, Velcro	2	7
12-26948-01	Fastener, 1/4 Turn	2	13
12-28766-19	Encoder Set, Lens (DSSI Unit ID Plug)	1	27
12-28766-28	Encoder Set, Lens (SCSI Unit ID Plug)	1	28
12-29258-01	Connector, DSSI Terminator	1	17
12-30552-01	Connector, SCSI Terminator	1	40
12-33140-01	Battery, NVRAM CPU 2.8V (Located On M7637-AA)	1	Not Shown
12-33377-01	Cover, 50 Pin IDC Connector	1	41
17-00083-43	Power Cord 120V 10A (2.5M) (BN20A-2E) (US/Japan/Canada) (Not Shown)	1	42
17-00083-44	Power Cord 240V 10A (2.5M) (BN20B-2E) (US/Japan/Canada)	1	Not Shown
17-00198-11	Power Cord 240V 10A (2.5M) (BN22C-2E) (Australia/New Zealand)	1	Not Shown
17-00199-16	Power Cord 240V 10A (2.5M) (BN22D-2E) (Central Europe)	1	Not Shown
17-00209-13	Power Cord 240V 10A (2.5M) (BN22E-2E) (U.K./Ireland)	1	Not Shown
17-00210-10	Power Cord 240V 10A (2.5M) (BN22F-2E) (Switzerland)	1	Not Shown
17-00310-10	Power Cord 240V 10A (2.5M) (BN22H-2E) (Denmark)	1	Not Shown
17-00364-13	Power Cord 240V 10A (2.5M) (BN22J-2E) (Italy)	1	Not Shown
17-00456-13	Power Cord 240V 10A (2.5M) (BN22K-2E) (India/S. Africa)	1	Not Shown
17-00457-13	Power Cord 240V 10A (2.5M) (BN22L-2E) (Israel)	1	Not Shown
17-01364-02	Cable Assembly, 06 Conductor	1	10
17-02502-01	Cable, DSSI External Bulkhead	1	Not Shown
17-02542-01	Cable, SCSI External Bulkhead	1	Not Shown
17-02659-02	Cable Assembly, 50 Conductor Molded Shielded	1	45
17-02659-03	Cable Assembly, 50 Conductor Molded Shielded (BC06P-2F) (2.5 Ft.)	1	39
17-02665-01	Cable Assembly, 50-Pin	1	31
17-02666-01	Cable Assembly, 5-Pin to 40-Pin Connector	2	5
17-02700-01	Cable Assembly, 100 Cond Flat (1-2 Mem.)	1	33
17-02700-02	Cable Assembly, 100 Cond Flat (3 Mem.)	1	34
17-02700-03	Cable Assembly, 100 Cond Flat (4 Mem.)	1	35
17-02700-04	Cable Assembly, 100 Cond Flat (5 Mem.)	1	36
220QH-A9	220QH-A9 120/240V (w/o Skins)	1	N/A
220QH-B9	220QH-B9 120/240V (w/Skins)	1	N/A
36-18460-06	Label, "Bar Code" (Not Shown)	1	44
36-26584-01	Label, "Baud Select"	2	12
36-26883-A0	Label, "Module Number M7637-AA"	1	6
36-26883-A1	Label, "Module Number M7638-AA"	1	7
36-26883-A2	Label, "Module Number M7639-AA" (Not Shown)	1	12
36-27923-01	Label, "Module Utilization" (Not Shown)	1	29
36-28231-06	Label, "Direct Thermal"	2	Not Shown

INDEX BY DEC PART NUMBER
220QH PEDESTAL SYSTEM

PART NO.	DESCRIPTION	FIG NO.	ITEM NO.
36-29163-07	Label, "BA2XX Rev" (Rolled)	1	18
36-29164-07	Label, "BA2XX Rev" (Sheeted)	1	23
36-30422-52	Label, "FTZ Postcard Series BA400" (Not Shown)	1	26
36-32667-12	Label, "Pedestal BA440, Made in USA"	1	21
36-32667-13	Label, "Pedestal BA440, Made in UK"	1	22
36-32668-01	Label, "Serial/Model BA440, Made in USA"	1	19
36-32668-02	Label, "Serial/Model BA440, Made in UK"	1	20
36-33152-11	Label, "Logo/Model, Serial" (Not Shown)	1	32
37-00983-12	Package Assembly	2	Not Shown
37-01072-07	Package Assembly (Not Shown)	1	24
37-01072-08	Package Assembly (Not Shown)	1	25
54-17381-03	Module, SLU Console	2	2
54-20181-01	Backplane Assembly	1	Not Shown
70-23981-01	Bulkhead Assembly, Front	1	14
70-23982-14	Bulkhead Assembly, Front Dual	2	1
70-24071-01	Panel Assembly, Gap Filler	1	43
70-25775-03	BULKHEAD ASSEMBLY, H3602 MODULE	2	N/A
70-25775-03	BULKHEAD ASSEMBLY, H3602 MODULE	1	3
70-27044-01	Control Assembly, System	1	38
70-27049-02	Bezel Assembly, Disk Drive	1	16
70-27414-01	Bezel Assembly, Filler	1	15
70-27437-01	Chassis Assembly, BA430 (w/o Skins)	1	1
70-27437-02	Chassis Assembly, BA430 (w/Skins)	1	2
70-27464-01	HANDLE, SCSI	1	31
70-28083-02	Bulkhead Assembly, Blank	1	37
74-37167-02	Insulator, Shield	2	8
74-40913-07	Medallion, DECsystem 5500	1	13
74-40914-01	Strip, Color	1	47
74-42177-01	Shield, H3602	2	9
90-00037-05	Washer, Internal Tooth Lock No. 6 (Bronze)	2	15
90-00039-14	Screw, Mach Flat Hd. No 4-40 x 7/16	1	31
90-00063-02	Screw, Self-Tap Truss Hd No. 4-40 x 5/16	2	16
90-00063-78	Screw, Self-Tap Truss Hd No. 6 x 5/16	2	10
90-06659-00	Washer, Flat	2	11
90-10563-01	Nut, Hex No. 1/2-28	2	14
99-06557-30	Bag, 2 Mil Thick, Clear Poly Reclose (Not Shown)	1	30
EK-V4000-IN	Documentation, VAX 4000 Installation Checklist (Not Shown)	1	46
M7637-AA	Module, KN220 CPU	1	5
M7638-AA	Module, KN220 I/O	1	4
M9715-AA	Module, Interface Card	1	Not Shown
MS220-AA	Module, KN220 32MB Memory (M7639-AA)	1	11

INDEX BY DEC PART DESCRIPTION
220QH PEDESTAL SYSTEM

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
220QH PEDESTAL SYSTEM	N/A	1	N/A
220QH-A9 120/240V (w/o Skins)	220QH-A9	1	N/A
220QH-B9 120/240V (w/Skins)	220QH-B9	1	N/A
Backplane Assembly	54-20181-01	1	Not Shown
Bag, 2 Mil Thick, Clear Poly Reclose (Not Shown)	99-06557-30	1	30
Battery, 3 Cell 3.75V .18ma Nicad (-01 Replacement For -00)	12-19245-01	2	6
Battery, NVRAM CPU 2.8V (Located On M7637-AA)	12-33140-01	1	Not Shown
Bezel Assembly, Disk Drive	70-27049-02	1	16
Bezel Assembly, Filler	70-27414-01	1	15
Bulkhead Assembly, Blank	70-28083-02	1	37
Bulkhead Assembly, Front	70-23981-01	1	14
Bulkhead Assembly, Front Dual	70-23982-14	2	1
BULKHEAD ASSEMBLY, H3602 MODULE	70-25775-03	1	3
BULKHEAD ASSEMBLY, H3602 MODULE	70-25775-03	2	N/A
Cable Assembly, 06 Conductor	17-01364-02	1	10
Cable Assembly, 100 Cond Flat (1-2 Mem.)	17-02700-01	1	33
Cable Assembly, 100 Cond Flat (3 Mem.)	17-02700-02	1	34
Cable Assembly, 100 Cond Flat (4 Mem.)	17-02700-03	1	35
Cable Assembly, 100 Cond Flat (5 Mem.)	17-02700-04	1	36
Cable Assembly, 5-Pin to 40-Pin Connector	17-02666-01	2	5
Cable Assembly, 50 Conductor Molded Shielded	17-02659-02	1	45
Cable Assembly, 50 Conductor Molded Shielded (BC06P-2F) (2.5 Ft.)	17-02659-03	1	39
Cable Assembly, 50-Pin	17-02665-01	1	31
Cable, DSSI External Bulkhead	17-02502-01	1	Not Shown
Cable, SCSI External Bulkhead	17-02542-01	1	Not Shown
Chassis Assembly, BA430 (w/o Skins)	70-27437-01	1	1
Chassis Assembly, BA430 (w/Skins)	70-27437-02	1	2
Connector, BNC Coaxial	12-26318-01	1	9
Connector, DSSI Terminator	12-29258-01	1	17
Connector, SCSI Terminator	12-30552-01	1	40
Control Assembly, System	70-27044-01	1	38
Cover, 50 Pin IDC Connector	12-33377-01	1	41
Documentation, VAX 4000 Installation Checklist (Not Shown)	EK-V4000-IN	1	46
Encoder Set, Lens (DSSI Unit ID Plug)	12-28766-19	1	27
Encoder Set, Lens (SCSI Unit ID Plug)	12-28766-28	1	28
Fastener, 1/4 Turn	12-26948-01	2	13
HANDLE, SCSI	70-27464-01	1	31
Insulator, Shield	74-37167-02	2	8
Label, "BA2XX Rev" (Rolled)	36-29163-07	1	18
Label, "BA2XX Rev" (Sheeted)	36-29164-07	1	23
Label, "Bar Code" (Not Shown)	36-18460-06	1	44
Label, "Baud Select"	36-26584-01	2	12
Label, "Direct Thermal"	36-28231-08	2	Not Shown
Label, "FTZ Postcard Series BA400" (Not Shown)	36-30422-52	1	26
Label, "Logo/Model, Serial" (Not Shown)	36-33152-11	1	32
Label, "Module Number M7637-AA"	36-26883-A0	1	6

**INDEX BY DEC PART DESCRIPTION
220QH PEDESTAL SYSTEM**

DESCRIPTION	DEC PART NO.	FIG. NO.	ITEM NO.
Label, "Module Number M7638-AA"	36-26883-A1	1	7
Label, "Module Number M7639-AA" (Not Shown)	36-26883-A2	1	12
Label, "Module Utilization" (Not Shown)	36-27923-01	1	29
Label, "Pedestal BA440, Made in UK"	36-32667-13	1	22
Label, "Pedestal BA440, Made in USA"	36-32667-12	1	21
Label, "Serial/Model BA440, Made in UK"	36-32668-02	1	20
Label, "Serial/Model BA440, Made in USA"	36-32668-01	1	19
Latch Assembly, 15-Pin Slide w/o Hardware	12-18489-03	2	4
Latch Assembly, 2 Piece Slide w/Hardware	12-18489-04	2	3
Medallion, DECsystem 5500	74-40913-07	1	13
Module, Interface Card	M9715-AA	1	Not Shown
Module, KN220 32MB Memory (M7639-AA)	MS220-AA	1	11
Module, KN220 CPU	M7637-AA	1	5
Module, KN220 I/O	M7638-AA	1	4
Module, SLU Console	54-17381-03	2	2
Nut, Hex No. 1/2-28	90-10563-01	2	14
Package Assembly	37-00983-12	2	Not Shown
Package Assembly (Not Shown)	37-01072-07	1	24
Package Assembly (Not Shown)	37-01072-08	1	25
Panel Assembly, Gap Filler	70-24071-01	1	43
Power Cord 240V 10A (2.5M) (BN20B-2E) (US/Japan/Canada)	17-00083-44	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22C-2E) (Australia/New Zealand)	17-00198-11	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22D-2E) (Central Europe)	17-00199-16	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22E-2E) (U.K./Ireland)	17-00209-13	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22F-2E) (Switzerland)	17-00210-10	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22H-2E) (Denmark)	17-00310-10	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22J-2E) (Italy)	17-00364-13	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22K-2E) (India/S. Africa)	17-00456-13	1	Not Shown
Power Cord 240V 10A (2.5M) (BN22L-2E) (Israel)	17-00457-13	1	Not Shown
Power Cord, 120V 10A (2.5M) (BN20A-2E) (US/Japan/Canada) (Not Shown)	17-00083-43	1	42
Screw, Mach Flat Hd. No 4-40 x 7/16	90-00039-14	1	31
Screw, Self-Tap Truss Hd No. 4-40 x 5/16	90-00063-02	2	16
Screw, Self-Tap Truss Hd No. 6 x 5/16	90-00063-78	2	10
Shield, H3602	74-42177-01	2	9
Strip, Color	74-40914-01	1	47
Tape, Velcro	12-26595-02	2	7
Tee, BNC Coaxial	12-25869-01	1	8
Washer, Flat	90-06659-00	2	11
Washer, Internal Tooth Lock No. 6 (Bronze)	90-00037-05	2	15