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ILLUSTRATED
PARTS
BREAKDOWN

400 SERIES
ENCLOSURES

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

REVISION HISTORY

ECO LEVEL

RELATED IB INFORMATION

PRINTING

2nd Printing	BA440 70-26699 70-26700 70-26702	00000-00002 00000-00001 00000-00001 00000-00000	R400X 70-27452 70-27453 70-27406 B400X	00000-00003 00000-00000 00000-00000 00000-00001 00000-00003
DATE	70-27400 70-27044 70-27458 70-27459 70-27047 70-27048 70-24037 BA430 70-27437 70-27436 70-28083	00000-00000 00000-00000 00000-00001 00000-00001 00000-00000 00000-00001 00004-00004 00000-00001 00000-00000 00000-00000 00000-00001		

SYSTEM LEVEL:

B-IB-670QJ-0-0
B-IB-439AA-0-0

MASS STORAGE:
B-IB-400ST-0-0

REVISION HISTORY

REV	ECO NUMBER	DATE
B	B-IB-BA400-0-0 PKO001	3-JUN-91

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ENGINEERING BOB MCCLAIN	DATE 3-JUNE-91		
CSSE RICK WATTS	DATE 3-JUNE-91		
OTHER	DATE		
NEXT HIGHER DOC		SCALE 1/1	SHEET 1 OF 45

4

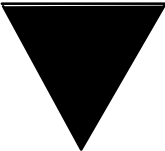
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BA440 ENCLOSURE



TITLE		ILLUSTRATED BREAKDOWN		SIZE		CODE		NUMBER		REV	
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SCALE 1/1		SHEET 2 OF 45		DIST							

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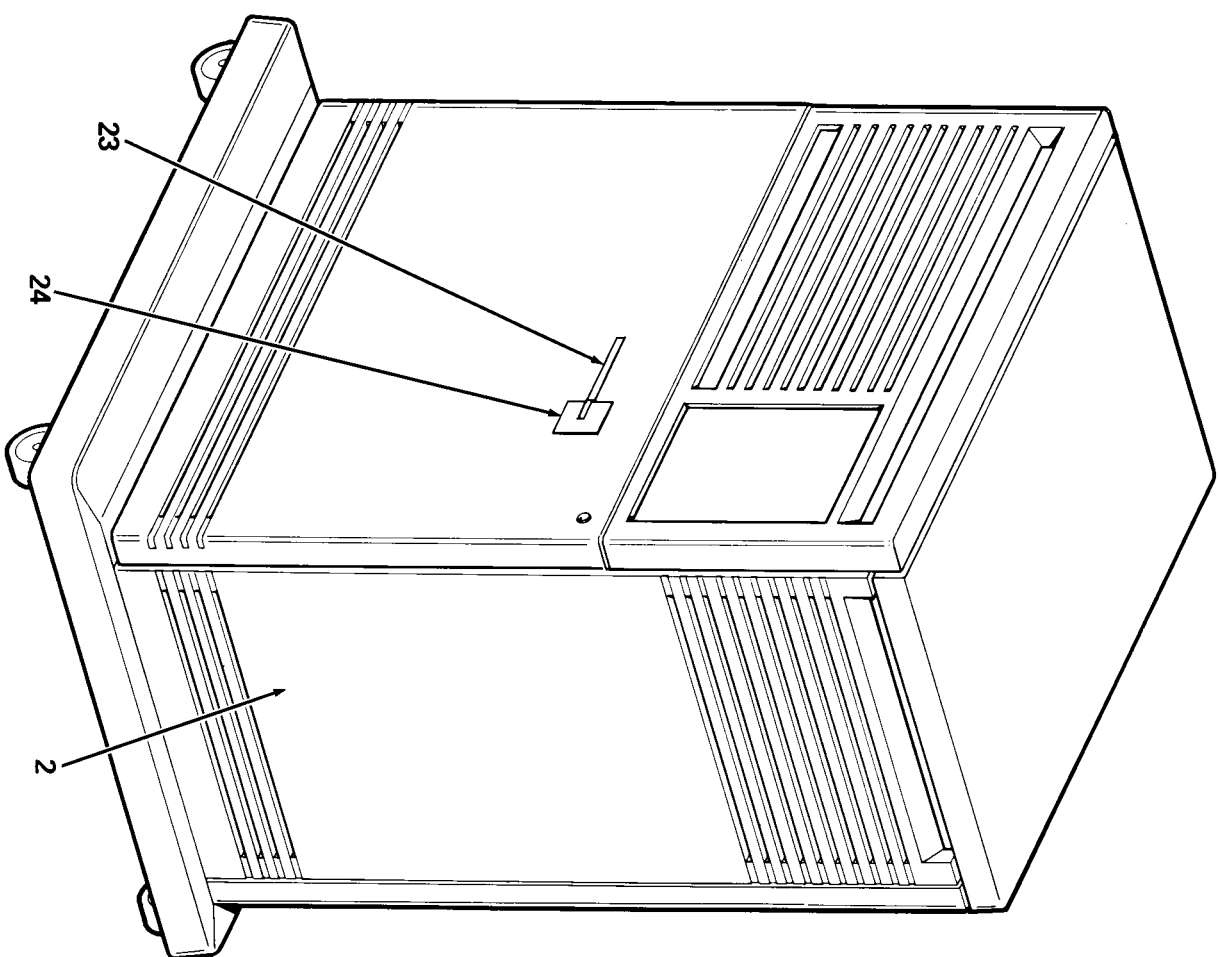
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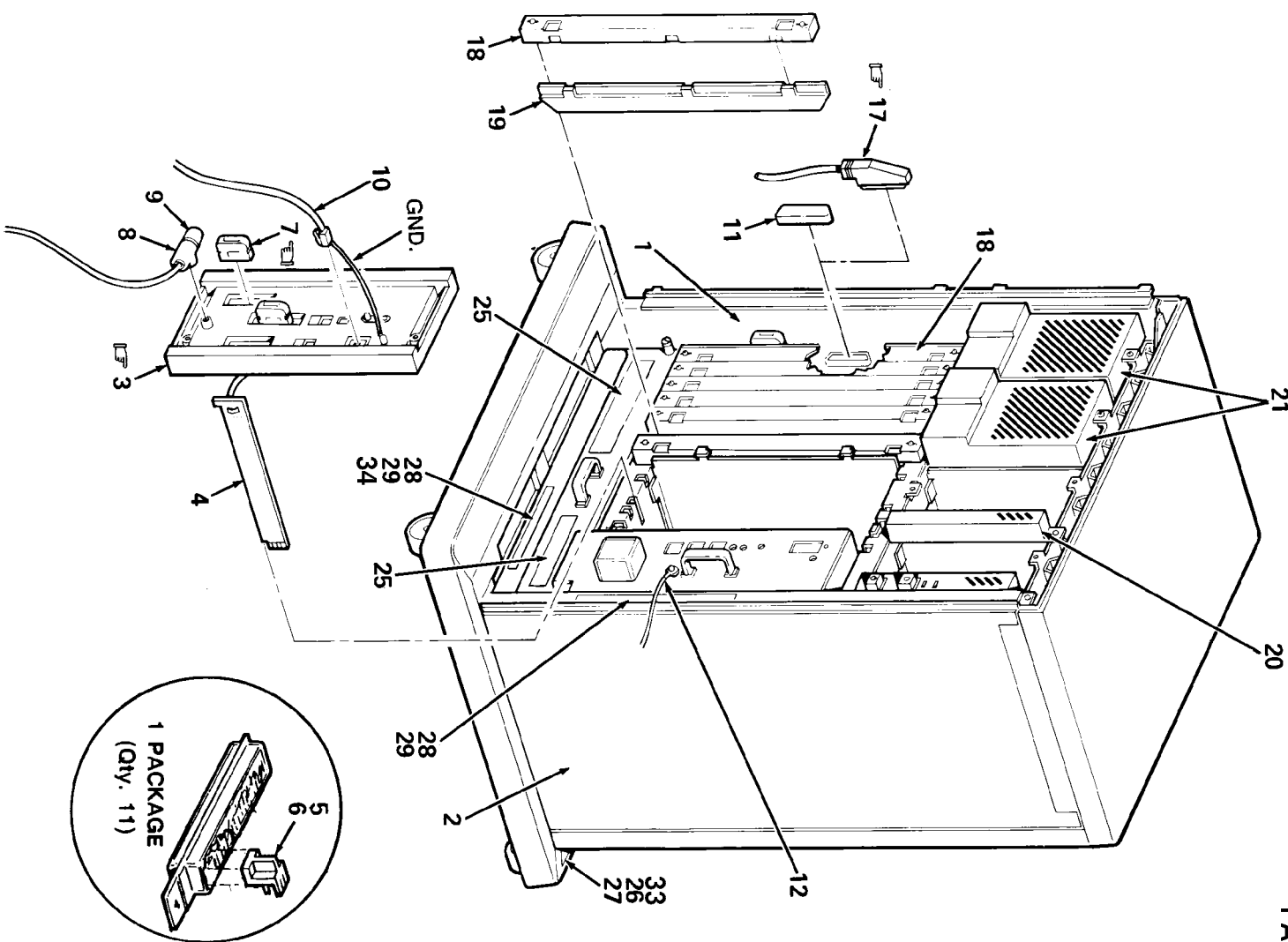
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 INDICATES FRU LEVEL PARTS.

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BA400-01-SC



BA400-01A-SC

Figure 1. BA440 Pedestal (Sheet 1 of 2)

Figure 1. BA440 Pedestal (Sheet 2 of 2)

TITLE	SIZE CODE	NUMBER	REV
ILLUSTRATED BREAKDOWN FOR 400 SERIES ENCLOSURES	B / B	BA400-0-0	B
SHEET 3 OF 45	DIST		

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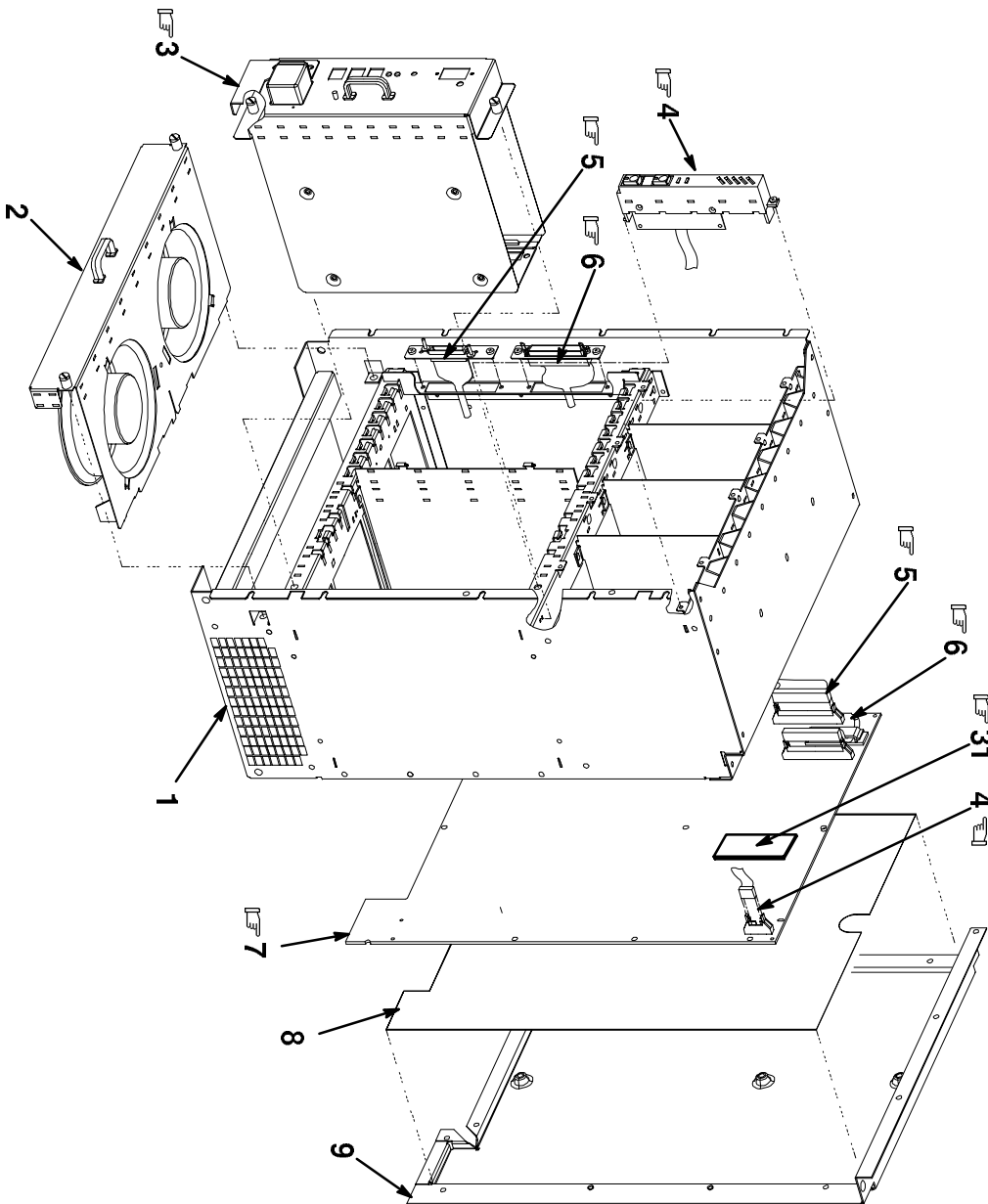
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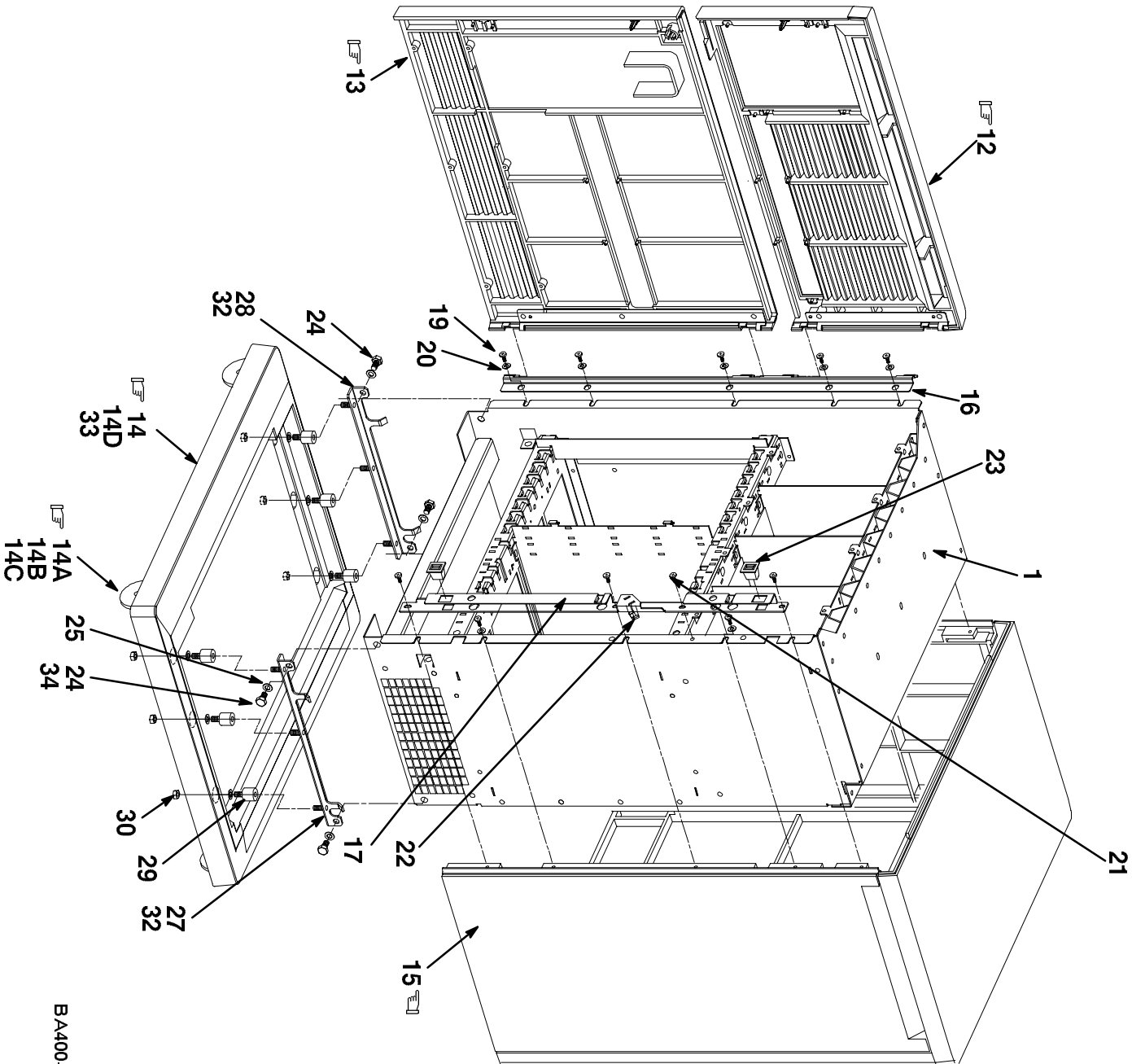
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PARTS LIST



BA400-02-IL

Figure 2. Chassis Assembly, BA440 (Sheet 1 of 3)



BA400-02B-IL

Figure 2. Chassis Assembly, BA440 (Sheet 2 of 3)

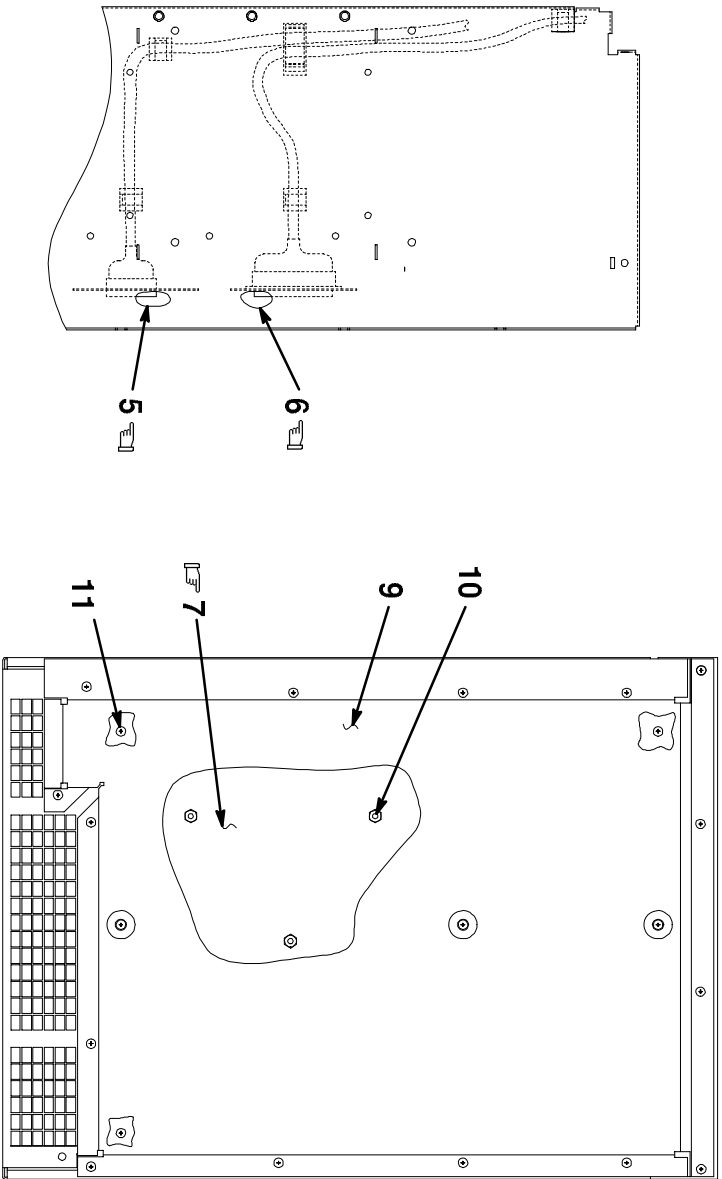
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PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-26699 00000	USED ON CODE	REF FIG NO.
2-	CHASSIS ASSEMBLY, BA440 (w/o Skins) CHASSIS ASSEMBLY, BA440 (w/ Skins)	70-26699-01 70-26699-02		A B	1 1
1	*FRAME ASSEMBLY, BA440	70-26700-01			3
2	*FAN ASSEMBLY, TRAY	70-26702-01			4
3	*Power Supply Assembly	H7874-00			
4	*CONTROL ASSEMBLY, SYSTEM	70-27044-01			6
5	*CABLE ASSEMBLY, INTERNAL DSSI	70-27458-01			7
6	*CABLE ASSEMBLY, INTERNAL SCSI	70-27459-01			8
7	*Module, Backplane	54-19354-01			
8	*Insulator, Backplane Module	74-38980-01			
9	*Cover, Rear	74-38824-01			
10	*Nut, Kep No 8-32	90-06563-00			
11	*Screw, Sems Phi Truss Hd No. 6-32 x 1/2	90-00049-13			
12	*DOOR ASSEMBLY, TOP	70-27047-01		B	9
13	*DOOR ASSEMBLY, BOTTOM	70-27048-01		B	10
14	*Isolation Assembly, Base	70-28094-01		B	
14A	*Wheel, Base	74-34068-01		B	
14B	*Shaft, Wheel	74-34069-01		B	
14C	*Pin, Roll	90-09385-00		B	
14D	**Base, Pedestal Isolation	74-41827-01		B	
15	*ENCLOSURE ASSEMBLY, SHELL	70-24037-02		B	10A
16	*Bracket, Hinge	74-39354-01		B	
17	*Bracket, Latching	74-39357-01		B	
18	*This Item Not Used				
19	*Screw, Self-Tap Phi Pan Hd No. 8-16 x 1/2	90-00800-08		B	
20	*Washer, Flat	90-06664-00		B	
21	*Screw, Sems Phi Pan Hd No. 6-32 x 1/4	90-10174-00		B	
22	*Finger, Grounding	12-26922-01*		B	
23	*Catch, Door Assembly	90-09571-04		B	
24	*Screw, Hex Cap Hd No. 1/4-20 x 3/4	90-06240-09		B	
25	*Washer, Internal Lock	90-06637-00		B	
26	*Key, Plastic (Not Shown)	12-17119-01		B	
27	*Bracket, Base (Right)	74-41699-01		B	
28	*Bracket, Base (Left)	74-41699-02		B	
29	*Isolator, Cylindrical	12-33427-01		B	
30	*Nut, Kep No 1/4-20	90-08203-00			
31	Module, Vterm Dual Regulator (Not part of this Assembly shown for reference only.)	54-20404-01			
32	*Bracket, Base Mounting (deleted)	74-39353-01	00001	B	
33	*Base Assembly, Pedestal (deleted)	70-27046-01	00001	B	
34	*Screw, Hex Cap Hd No. 1/4 -20 x 1/2 (deleted)	90-06370-08	00001	B	



CHASSIS SIDE VIEW
CABLE LOCATION

CHASSIS REAR VIEW
BACKPLANE LOCATION

BA400-02C-IL

Figure 2. Chassis Assembly, BA440 (Sheet 3 Of 3)

TITLE	ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER	REV
FOR 400 SERIES ENCLOSURES	B	B		BA400-0-0	B
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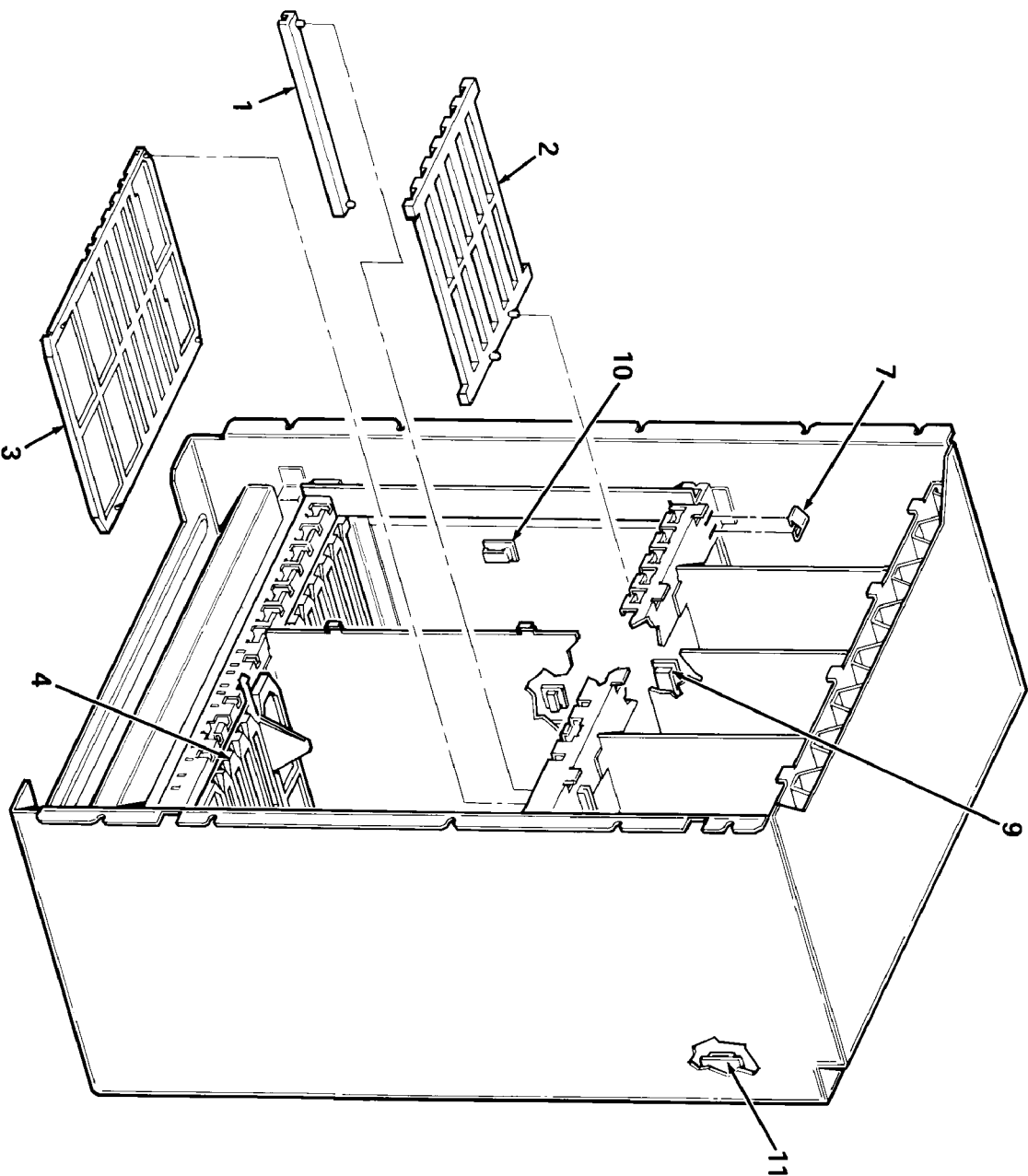
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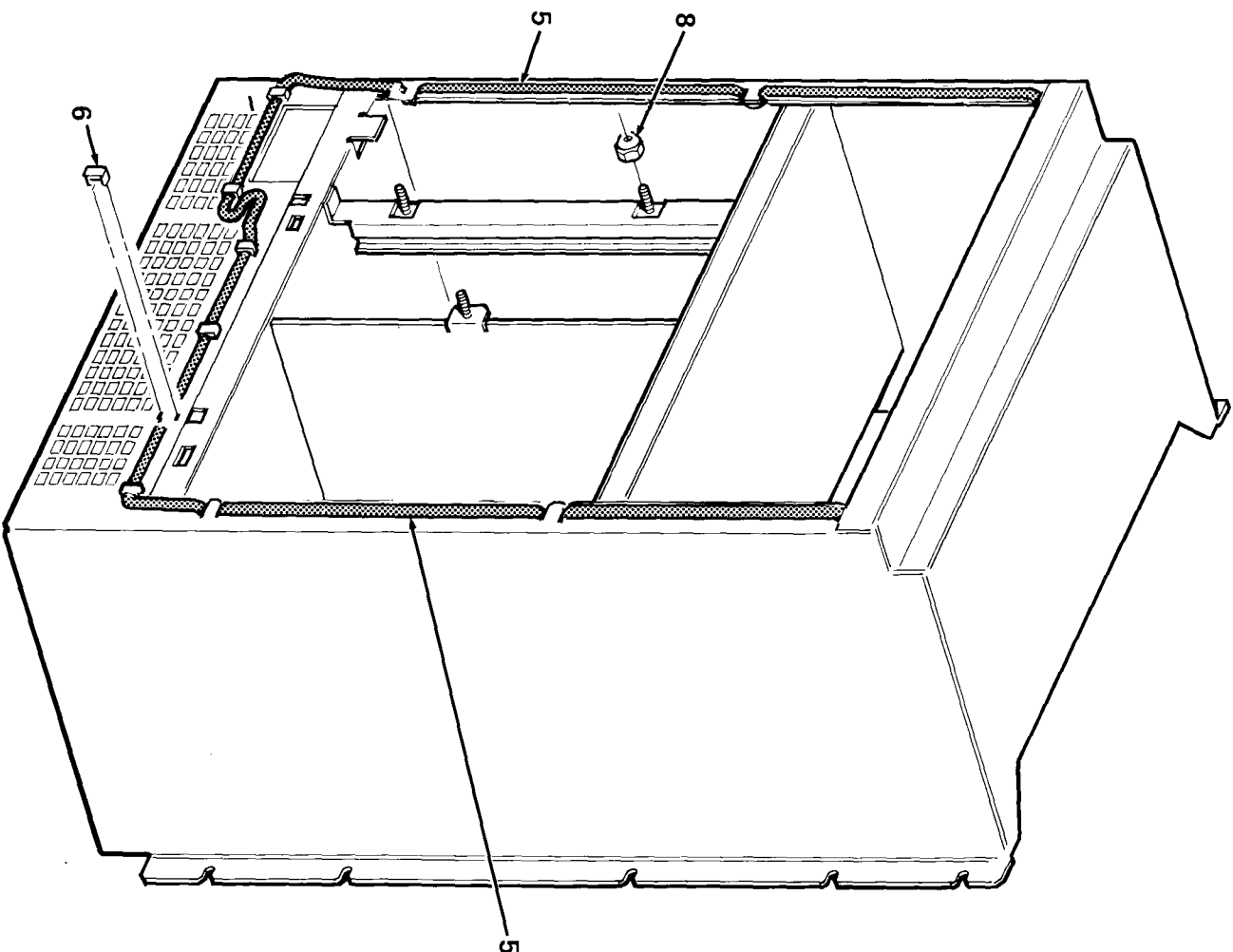
PARTS LIST

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PARTS LIST



BA400-03-SC



BA400-03A-SC

Figure 3. Frame Assembly, BA440 (Sheet 1 of 2)

Figure 3. Frame Assembly, BA440 (Sheet 2 of 2)

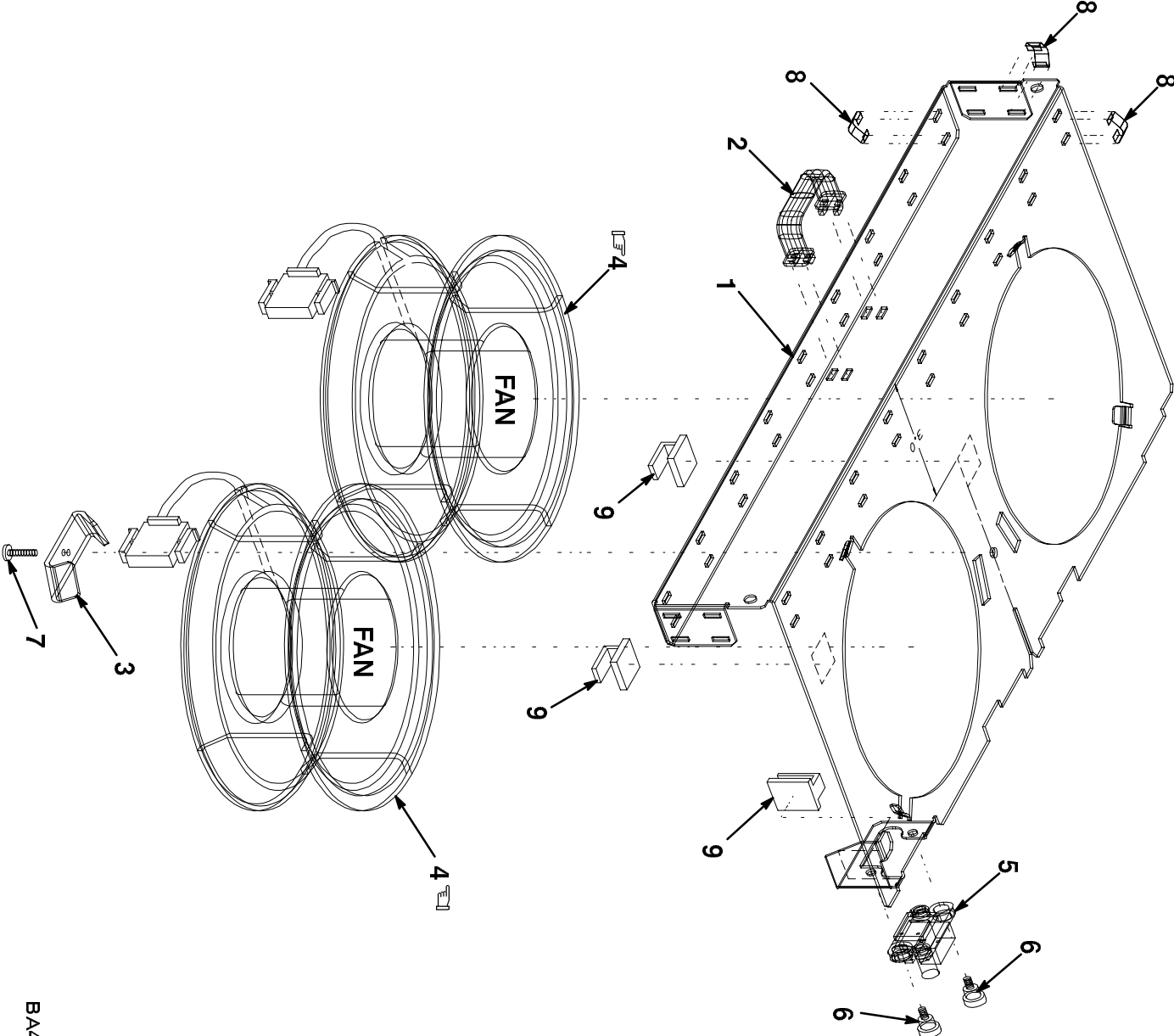
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SCALE 1/1		SHEET 7 OF 45		DIST					

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PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-26702 00000	USED ON CODE	REF FIG NO.
4-	FAN ASSEMBLY, TRAY	70-26702-01			2
1	*Tray, Fan	74-39116-01			
2	*Wire Pull (Plastic Handle)	74-38833-01			
3	*Bracket, Mounting Fan	74-39117-01			
4	*Fan, Tube Axial 6"	12-31500-01			
5	*Harness Assembly, Wire (Connector)	17-02507-01			
6	*Screw, Shoulder No. M3	12-31616-02			
7	*Screw, Sems Phi Pan Hd No. 6-32 x 3/8	90-00049-24			
8	*Finger, Grounding	12-26922-01			
9	*Clip, Cable Adhesive Backed	12-21249-05			



BA400-04-IL

Figure 4. Fan Assembly, Tray

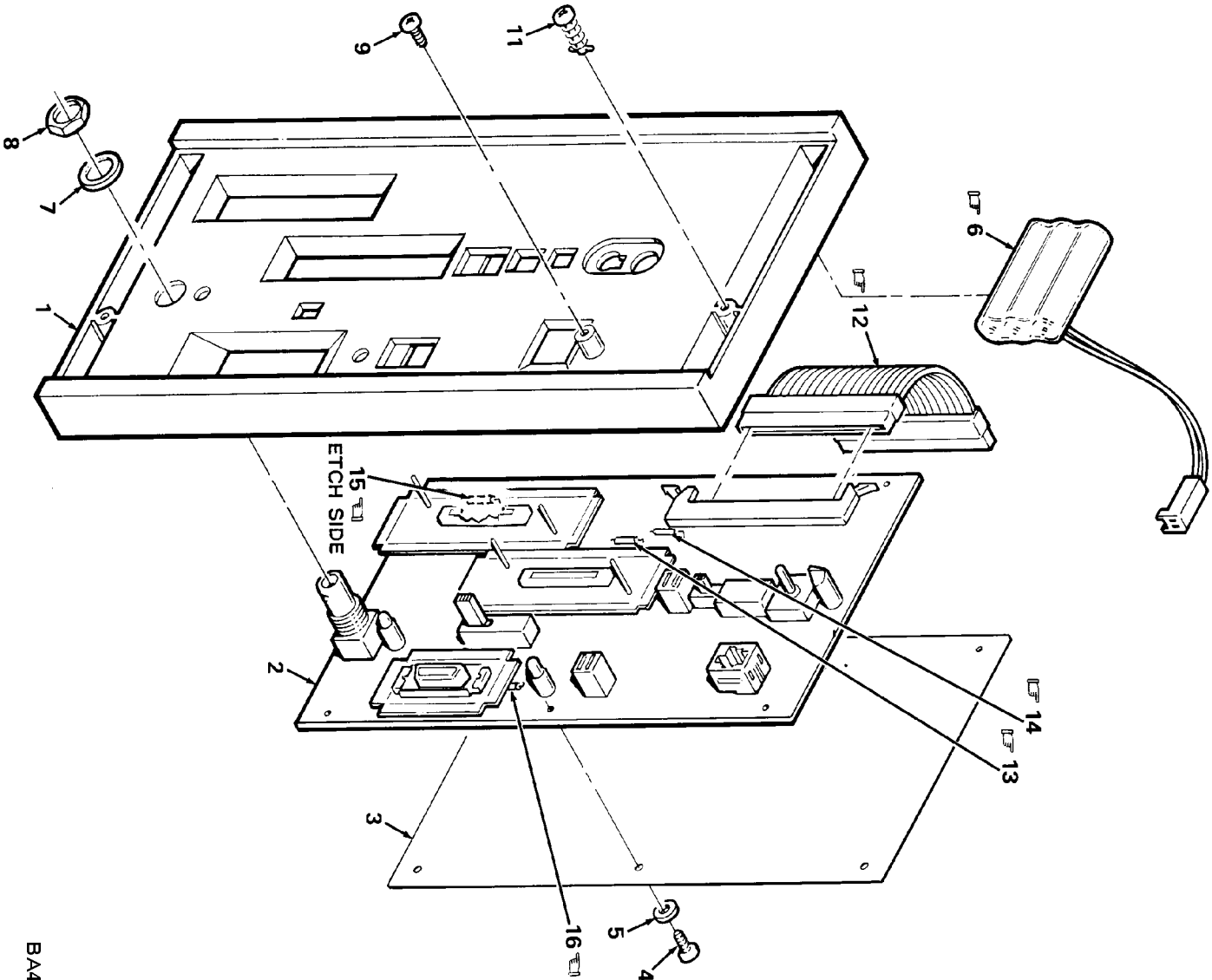
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PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 00000	USED ON CODE	REF FIG NO.
5-	BULKHEAD ASSEMBLY, H3604 CONSOLE	70-27400-01			1
1	*Cover, Module Assembly	70-27401-01			
2	*Module Assembly, H3604	70-27402-01			
3	*Insulator, Cover Module	74-39280-01			
4	*Screw, Self-Tap Phi Pan Hd No. 6-32 x 3/8	90-09514-01			
5	*Washer, Internal Tooth Lock No. 6	90-09882-00			
6	*Battery, 3 Cell 3.75V .18ma Nicad (-01 Replacement For -00)	12-19245-01			
7	*Washer, Internal Tooth Lock No. 6 (Bronze)	90-00037-05			
8	*Nut, Hex No. 1/2-28	90-10563-01			
9	*Screw, Sems Phi Truss Hd No. 6-32 x 1/4 (Not Part of 70-27400 Assembly, Shown For Reference Only.)	90-00049-06			
10	*Package Assembly, Customer Module (Not Shown)	37-00931-11			
11	Fastener, 1/4 Turn (Not Part of 70-27400 Assembly, Shown For Reference Only.)	12-26948-01			
12	Cable Assembly, 100 Cond Flat (Not Part of 70-27400 Assembly, Shown For Reference Only.)	17-02353-01			
13	Fuse, Pico .500A 125V (F1), ThinWire Ethernet Power (Not Part of 70-27400 Assembly, Shown For Reference Only.)	12-09159-00			
14	Fuse, Pico .062A 125V (F2), -12V Logic Power (Not Part of 70-27400 Assembly, Shown For Reference Only.)	12-09122-00			
15	Fuse, Pico 2.0A 125V (F3) DSSI Termination Power (Located On Etch Side Of Module.) (Not Part of 70-27400 Assembly, Shown For Reference Only.)	12-10929-06			
16	Fuse, Pico 1.5A 125V (F4) Standard Ethernet Power (Not Part of 70-27400 Assembly, Shown For Reference Only.)	12-10929-08			



BA400-05-SC

Figure 5. Bulkhead Assembly, H3604 Console

TITLE		ILLUSTRATED BREAKDOWN		SIZE		CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		BA400-0-0		B			
SCALE 1/1		SHEET 10 OF 45		DIST							

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INDICATES FRU LEVEL PARTS.

PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27044 00000	USED ON CODE	REF FIG NO.
6-	CONTROL ASSEMBLY, SYSTEM CONTROL ASSEMBLY, SYSTEM	70-27044-01 70-27044-02		A B	2, 11 16, 19
1	* Bezel Assembly, System Control	70-27045-01		A	
2	* Bezel Assembly, System Control	70-27045-02		B	
3	* Module, BA440/BA430 System Control Switch	54-19697-01		A	
4	* Module, R400X System Control Switch	54-19697-02		B	
5	* Module, BA440 System Control I/O	54-19705-01			
6	* Cable Assembly, 14 Cond	17-02493-01			
7	* Screw, Machine Flat Hd No. 6-32 x 3/8	90-06022-02			
8	* Label, "Pele, Bezel, Cont. Pnl. English"	36-33182-01		A	
9	* Label, "Pele, Bezel, Cont. Pnl. LV"	36-33182-02		A	

BA400-06-IL

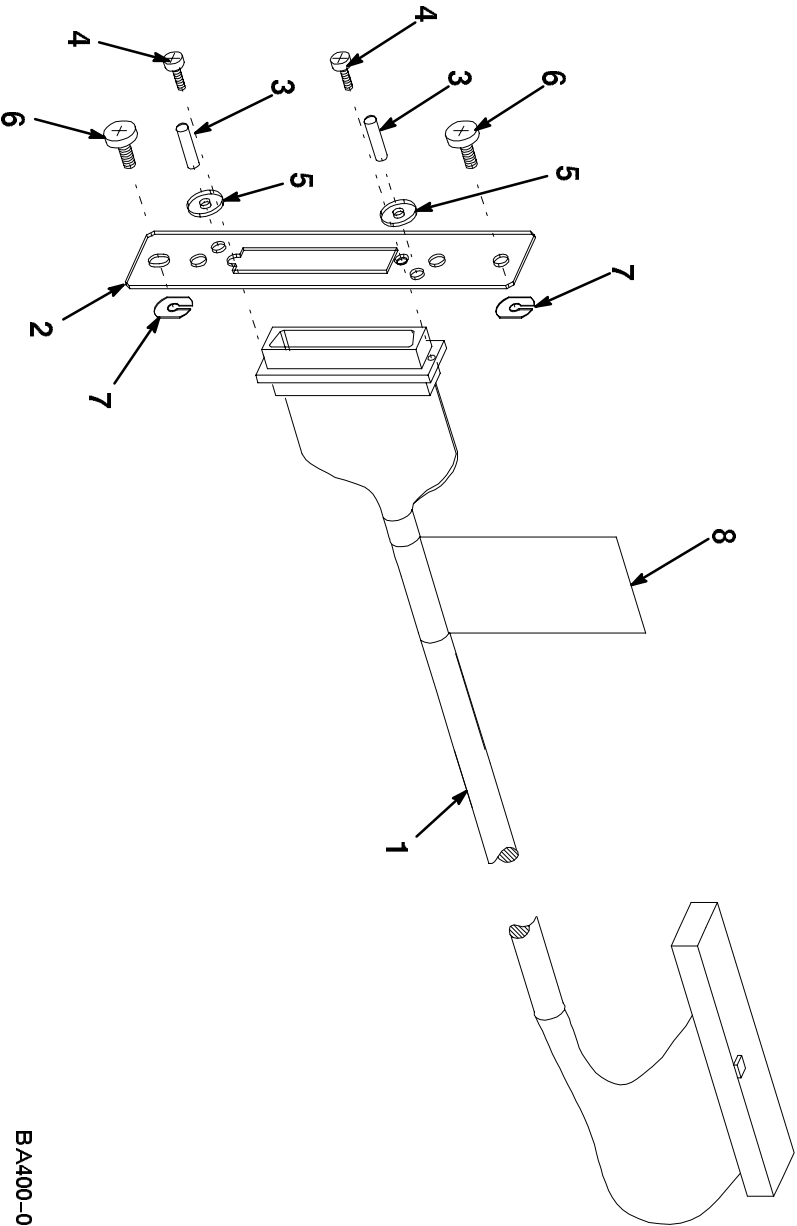
Figure 6. Control Assembly, System

TITLE	ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER	REV
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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27458 00000	USED ON CODE	REF FIG NO.
7-	CABLE ASSEMBLY, INTERNAL DSSI	70-27458-01			2, 12
1	*Cable Assembly, 50 Pos. Micro-D to 50 Pos.	17-02502-01			
2	*Plate, DSSI Connector	74-38827-01			
3	*Pin, Alignment	12-30363-01			
4	*Screw, Machine Flat Hd No. M2.5 x 8mm	90-10917-01			
5	*Washer, Flat	90-08877-00			
6	*Screw, Sems Phi Pan Hd No. 6-32 x 1/4	90-10971-01			
7	*Washer, Retaining	12-30421-01			
8	*Label, "ID w/Copy Horizontal"	36-16073-02			

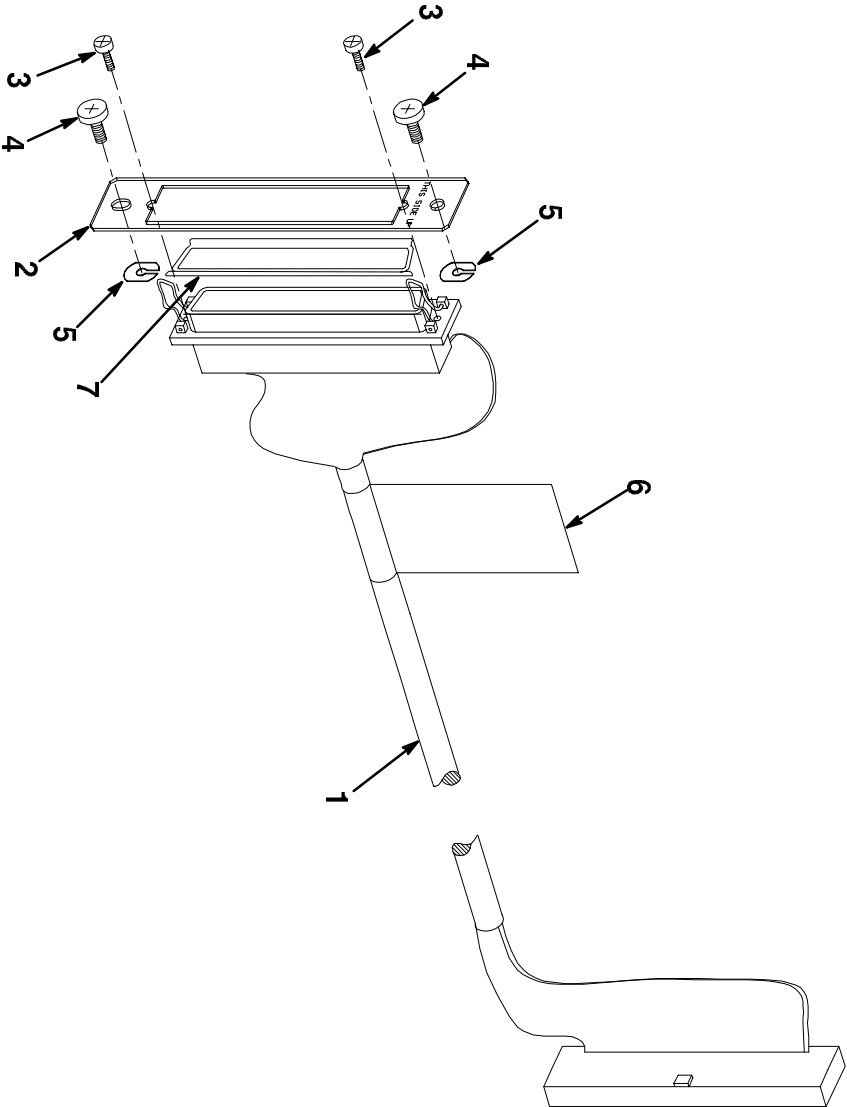
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BA400-07-1L

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27459 00000	USED ON CODE	REF FIG NO.
8-	CABLE ASSEMBLY, INTERNAL SCSI	70-27459-01			2, 12
1	*Cable Assembly, 50 Cond Round IDC Connector	17-02542-01			
2	*Plate, SCSI Connector	74-38827-03			
3	*Screw, Sems Phi Pan Hd No. 4-40 x 3/8	90-09643-00			
4	*Screw, Sems Phi Pan Hd No. 6-32 x 1/4	90-10971-01			
5	*Washer, Retaining	12-30421-01			
6	*Label, "ID w/Copy Horizontal"	36-16073-02			
7	*Gasket (added)	74-42332-01	00001		

INDICATES FRU LEVEL PARTS.



BA400-08-1L

Figure 7. Cable Assembly, Internal DSSI

Figure 8. Cable Assembly, Internal SCSI

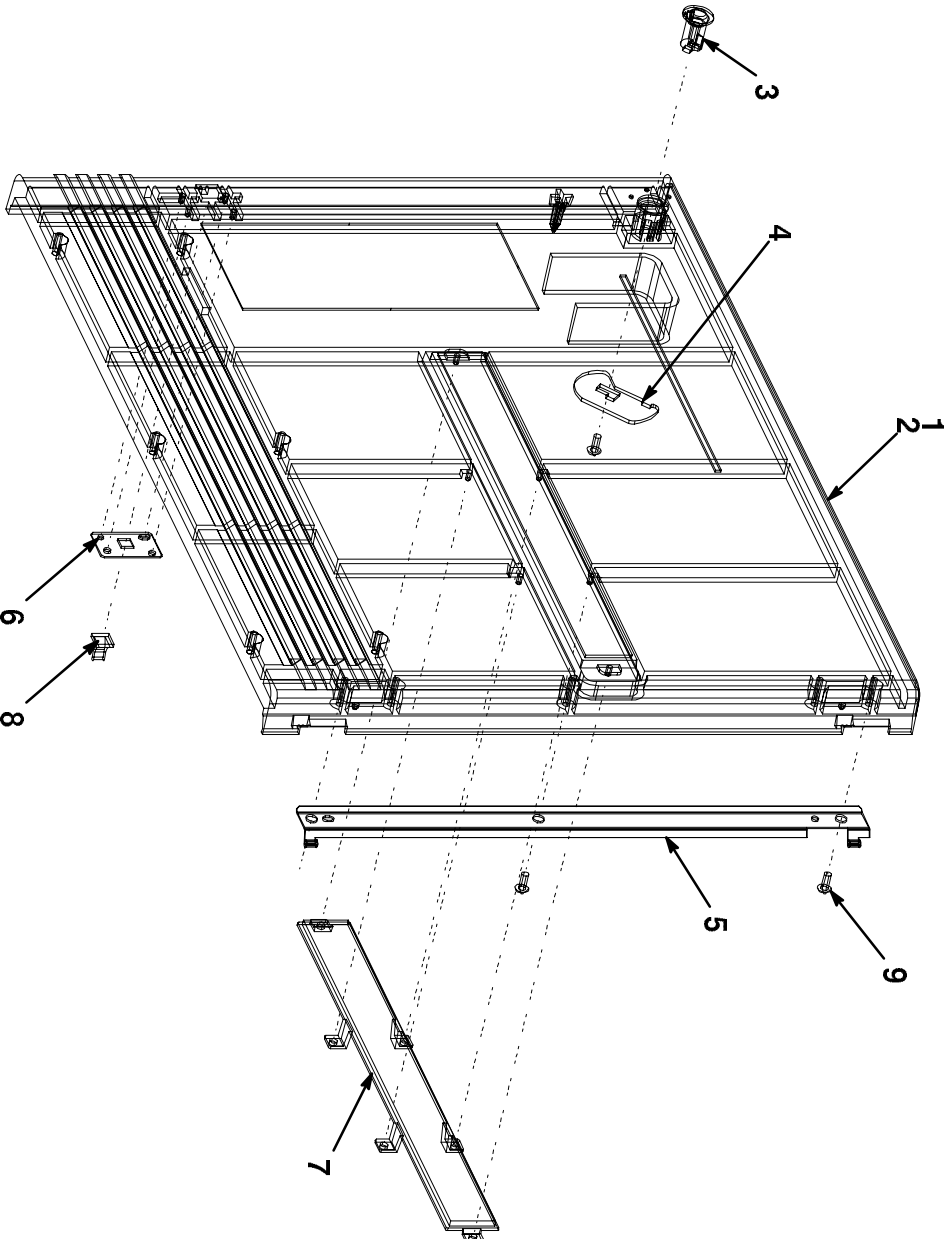
TITLE	ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER	REV
FOR 400 SERIES ENCLOSURES	B	B	B	BA400-0-0	B
SCALE 1/1	SHEET	12 OF 45	DIST		

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 INDICATES FRU LEVEL PARTS.

PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	B ECO CUT-IN 70-27048 00000	USED ON CODE	REF FIG NO.
10- 	DOOR ASSEMBLY, BOTTOM DOOR ASSEMBLY, BOTTOM	70-27048-01 70-27048-02		A B	2,12 16
1	*Door, Bottom Front	74-39271-01		A	
2	*Door, Bottom Front (Expander)	74-39271-02		B	
3	*Barrel, Key	74-39269-01			
4	*Cam, Locking	74-39261-01			
5	*Bracket, Bottom Door Hinge	74-39356-01			
6	*Bracket, Strike Latch	74-40386-01			
7	*Window, Disk Drive	74-39268-01		B	
8	*Catch, Door Assembly	90-09571-00			
9	*Screw, Phi Pan Hd No. 8-16 x 3/8	90-09800-04			



BA400-10-IL

Figure 10. Door Assembly, Bottom

TITLE		ILLUSTRATED BREAKDOWN		SIZE		CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		B		BA400-0-0		B	
SCALE 1/1		SHEET 14 OF 45		DIST							

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INDICATES FRU LEVEL PARTS.

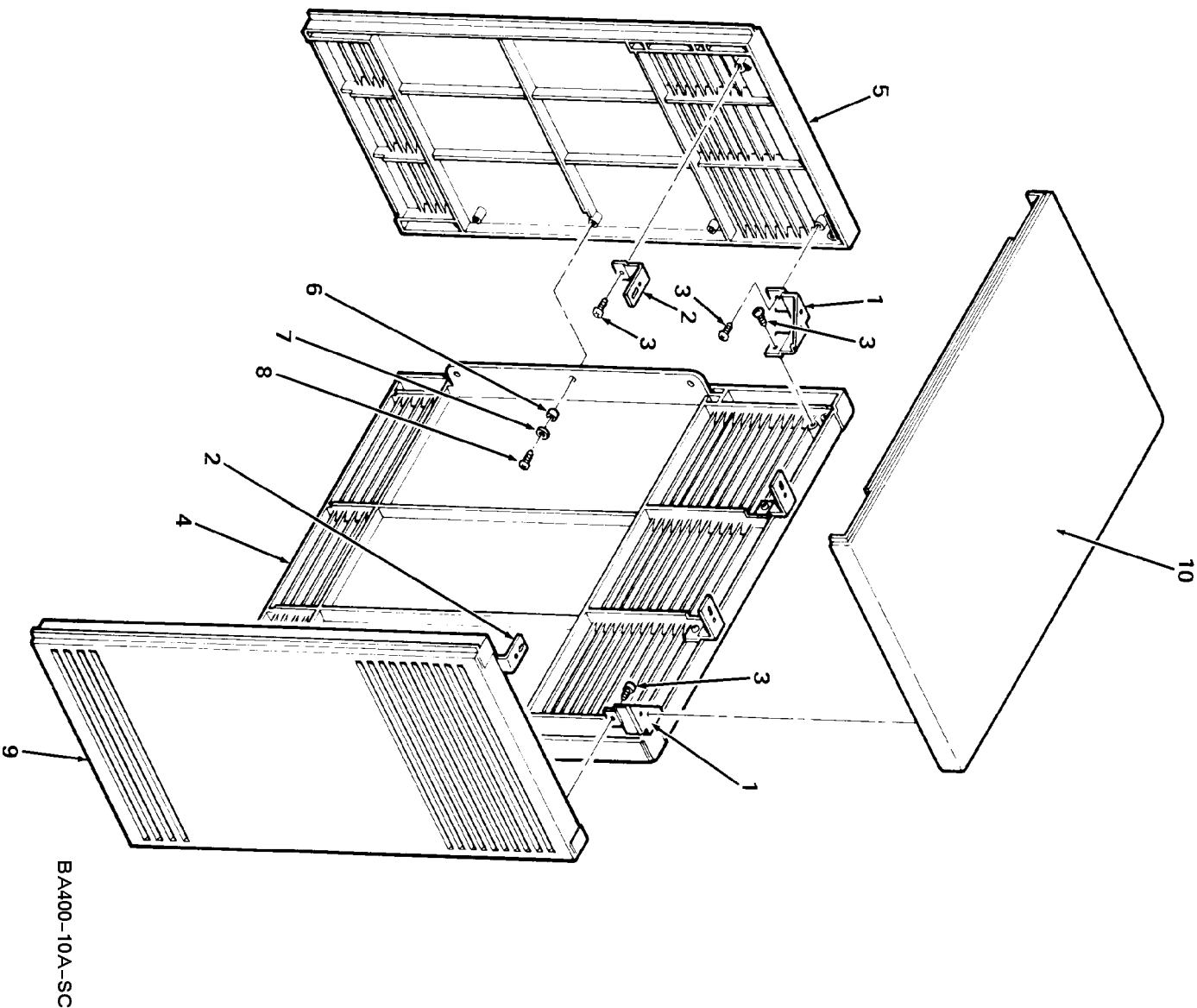


Figure 10A. Enclosure Assembly, Shell

PARTS LIST

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-24037 00000	USED ON CODE	REF FIG NO.
10A-	ENCLOSURE ASSEMBLY, SHELL	70-24037-02			2, 12 16
1	*Bracket, Corner	74-34126-01			
2	*Bracket, Side	74-34125-01			
3	*Screw, Self-Tap Phi Pan Hd No. 8-16 x 3/8	90-09800-04			
4	*Panel, Rear	74-33651-02			
5	*Panel, Left Side	74-33694-02			
6	*Sleeve	74-34424-01			
7	*Washer, Flat	90-06661-00			
8	*Screw, Self-Tap Phi Pan Hd No. 8-16 x 1/2	90-09800-08			
9	*Panel, Right Side	74-33647-02			
10	*Cover, Top				

TITLE	ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER	REV
FOR 400 SERIES ENCLOSURES	B	B	B	BA400-0-0	B
SCALE 1/1	SHEET 15 OF 45	DIST			

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BA430 ENCLOSURE



TITLE		ILLUSTRATED BREAKDOWN		SIZE		CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		B		BA400-0-0		B	
SCALE 1/1		SHEET 16 OF 45		DIST							

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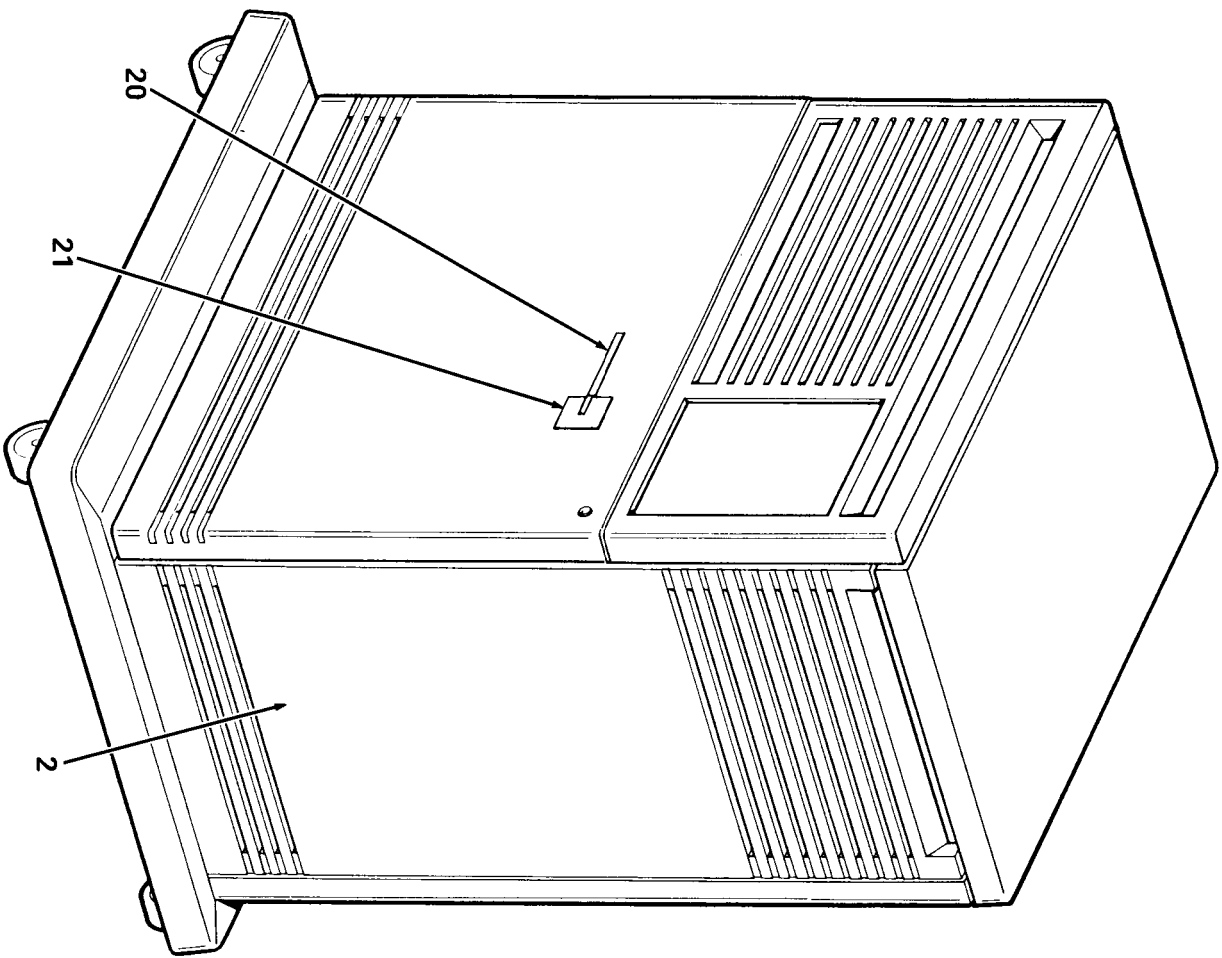
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PARTS LIST

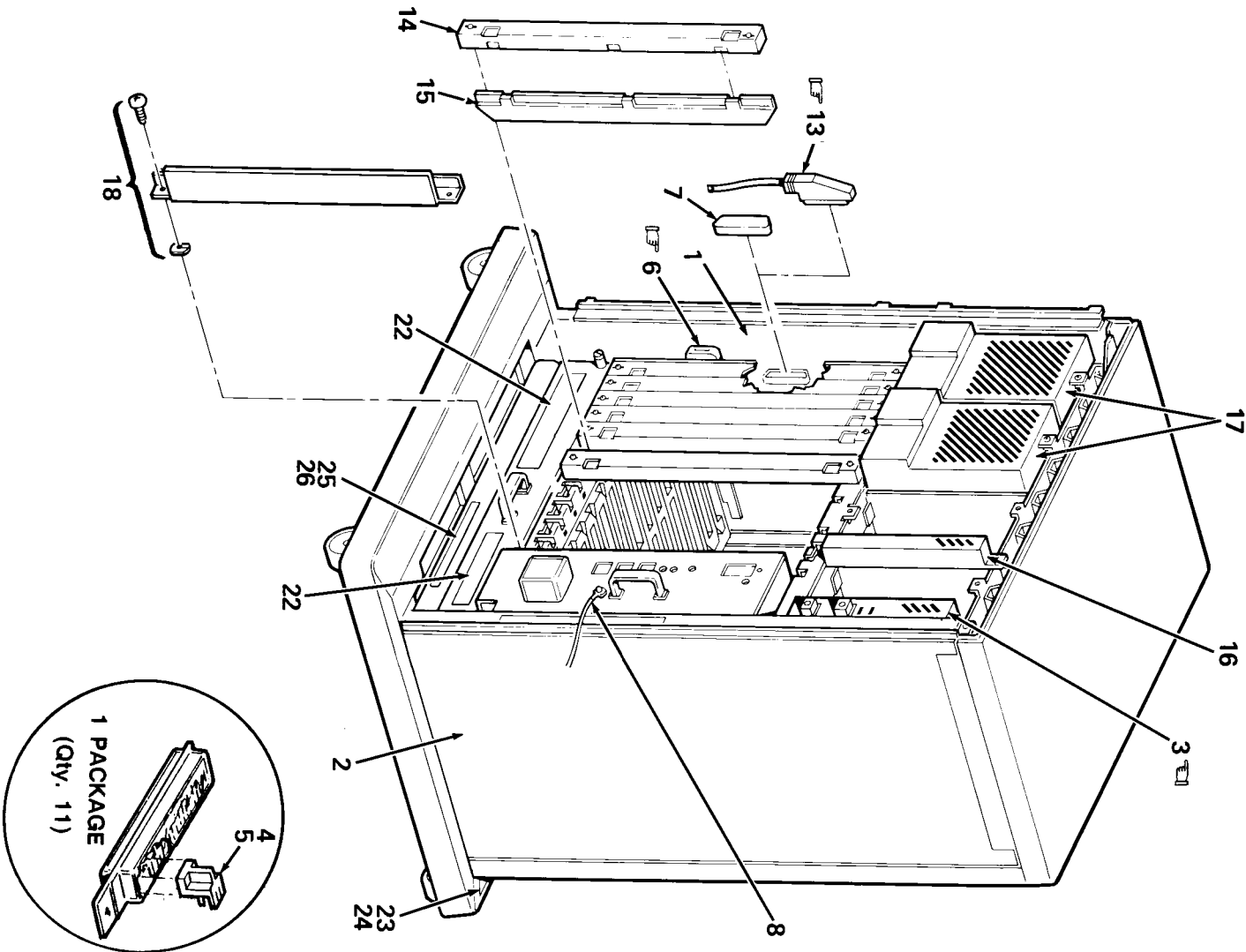
INDICATES FRU LEVEL PARTS.

PARTS LIST



BA400-11-SC

Figure 11. BA430 Pedestal (Sheet 1 of 2)



BA400-11A-SC

Figure 11. BA430 Pedestal (Sheet 2 of 2)

TITLE		ILLUSTRATED BREAKDOWN		SIZE CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		BA400-0-0		B	
SCALE 1/1		SHEET 17 OF 45		DIST					

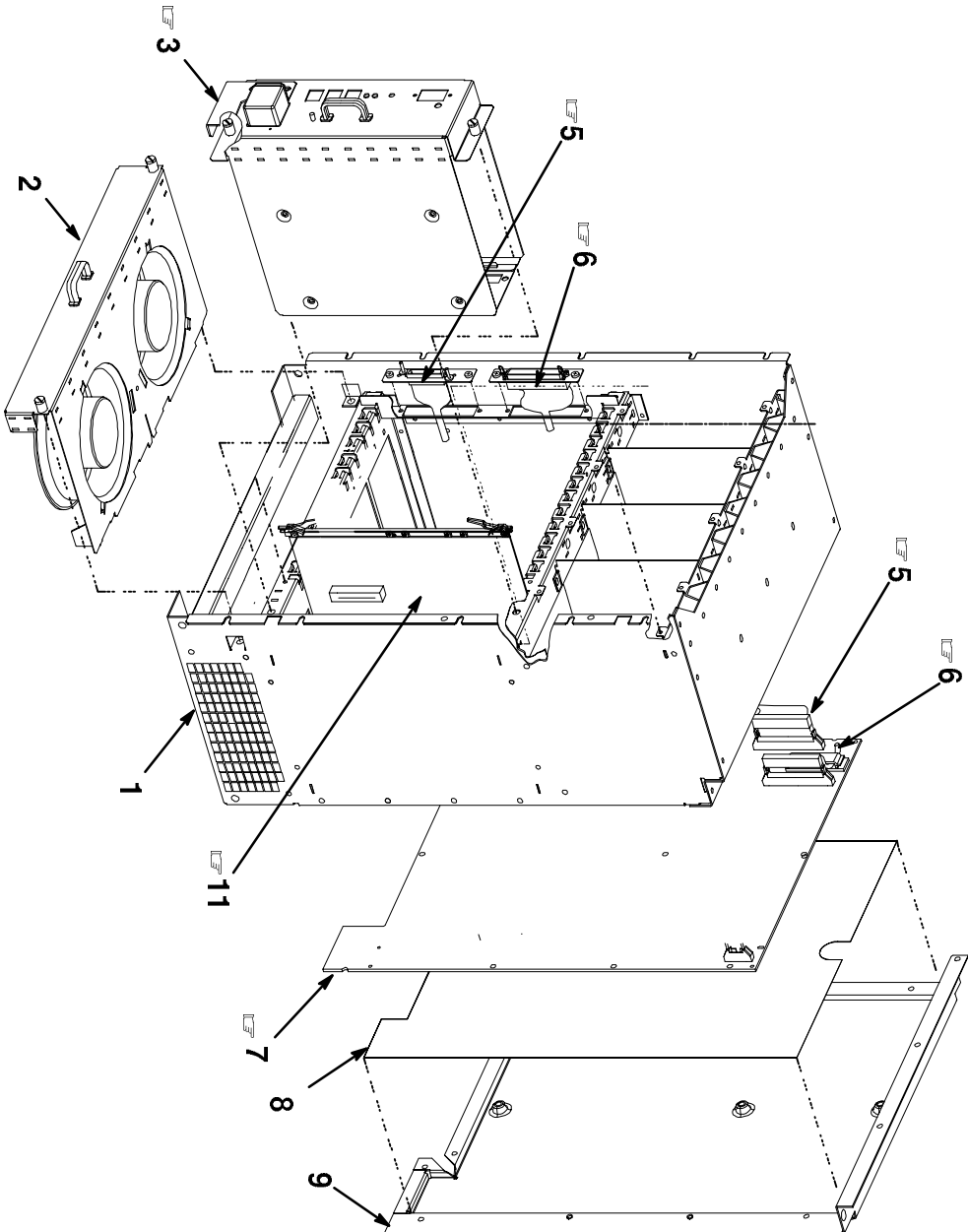
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PARTS LIST

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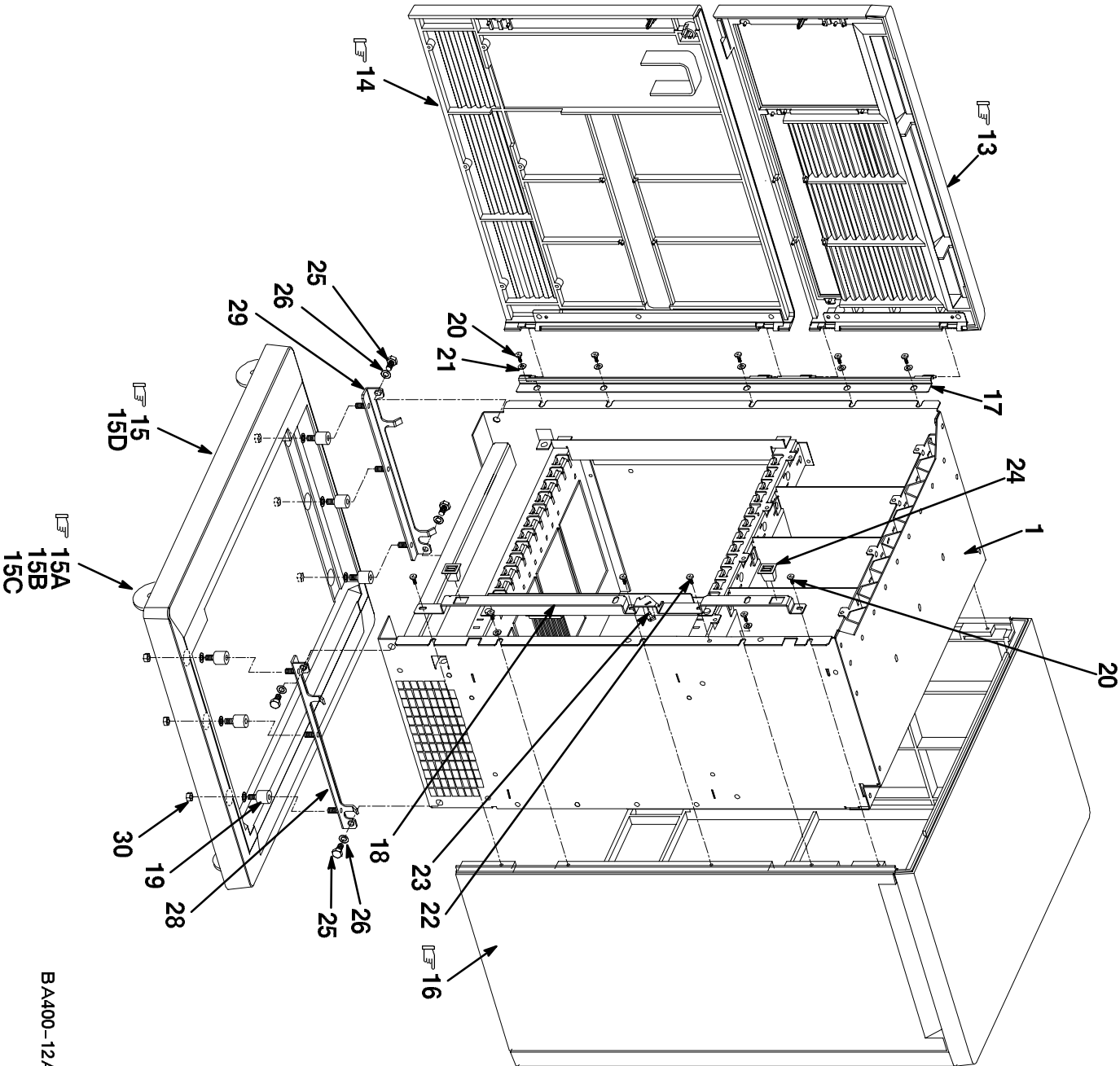
PARTS LIST

INDICATES FRU LEVEL PARTS.



BA400-12-IL

Figure 12. Chassis Assembly, BA430 (Sheet 1 of 3)



BA400-12A-IL

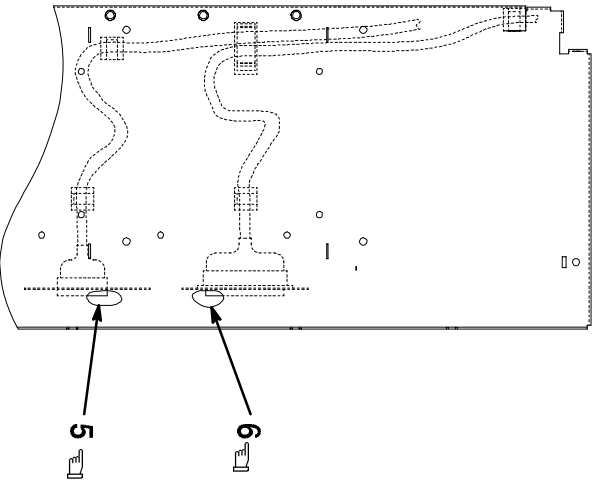
Figure 12. Chassis Assembly, BA430 (Sheet 2 of 3)

TITLE		ILLUSTRATED BREAKDOWN		SIZE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		BA400-0-0		B	
SCALE 1/1		SHEET 19 OF 45		DIST					

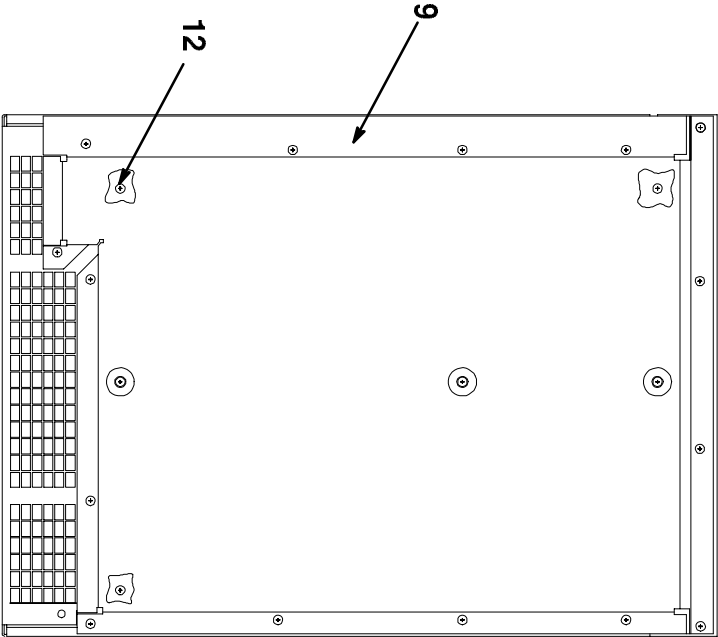
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PARTS LIST

INDICATES FRU LEVEL PARTS.



CHASSIS SIDE VIEW
CABLE LOCATION



CHASSIS REAR VIEW
BACKPLANE LOCATION

B A400-12B-IL

Figure 12 Chassis Assembly, BA430 (Sheet 3 of 3)

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27437 00000	USED ON CODE	REF FIG NO.
12-	CHASSIS ASSEMBLY, BA430 (w/o Skins) CHASSIS ASSEMBLY, BA430 (w/ Skins)	70-27437-01 70-27437-02		A B	11, 19 11, 19
1	*FRAME ASSEMBLY, BA430	70-27436-01			13
2	*FAN ASSEMBLY, TRAY	70-26702-01			4
3	*Power Supply Assembly	H7874-00			
4	*THIS ITEM NOT USED.				
5	*CABLE ASSEMBLY, INTERNAL DSSI	70-27458-01			7
6	*CABLE ASSEMBLY, INTERNAL SCSI	70-27459-01			8
7	*Module, Backplane	54-20181-01			
8	*Insulator, Backplane	74-38980-01			
9	*Cover, Rear	74-38824-01			
10	*THIS ITEM NOT USED.				
11	*Module, Interface Card	M9715-AA			
12	*Screw, Sems Phi Truss Hd No. 6-32 x 1/2	90-00049-13			
13	*DOOR ASSEMBLY, TOP	70-27047-01		B	9
14	*DOOR ASSEMBLY, BOTTOM	70-27048-01		B	10
15	*Isolation Assembly, Base	70-28094-01		B	
15A	*Wheel, Base	74-34068-01		B	
15B	*Shaft, Wheel	74-34069-01		B	
15C	*Pin, Roll	90-09385-00		B	
15D	*Base, Pedestal Isolation	74-41827-01		B	
16	*ENCLOSURE ASSEMBLY, SHELL	70-24037-02		B	10A
17	*Bracket, Hinge	74-39354-01		B	
18	*Bracket, Latching	74-39357-01		B	
19	*Isolator, Cylindrical	12-33427-01		B	
20	*Screw, Self-Tap Phi Pan Hd No. 8-16 x 1/2	90-00800-08		B	
21	*Washer, Flat	90-06664-00		B	
22	*Screw, Sems Phi Pan Hd No. 6-32 x 1/4	90-10174-00		B	
23	*Finger, Grounding	12-26922-01		B	
24	*Catch, Door Assembly	90-09571-04		B	
25	*Screw, Hex Cap Hd No. 1/4-20 x 3/4	90-06240-09		B	
26	*Washer, Int Lock	90-06637-00		B	
27	*Key, Plastic (Not Shown)	12-17119-01		B	
28	*Bracket, Base (Right)	74-41699-01		B	
29	*Bracket, Base (Left)	74-41699-02		B	
30	*Nut, Kep No. 1/4-20	90-08203-00		B	

TITLE		ILLUSTRATED BREAKDOWN		SIZE		CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		B		BA400-0-0		B	
SCALE 1/1		SHEET 20 OF 45		DIST							

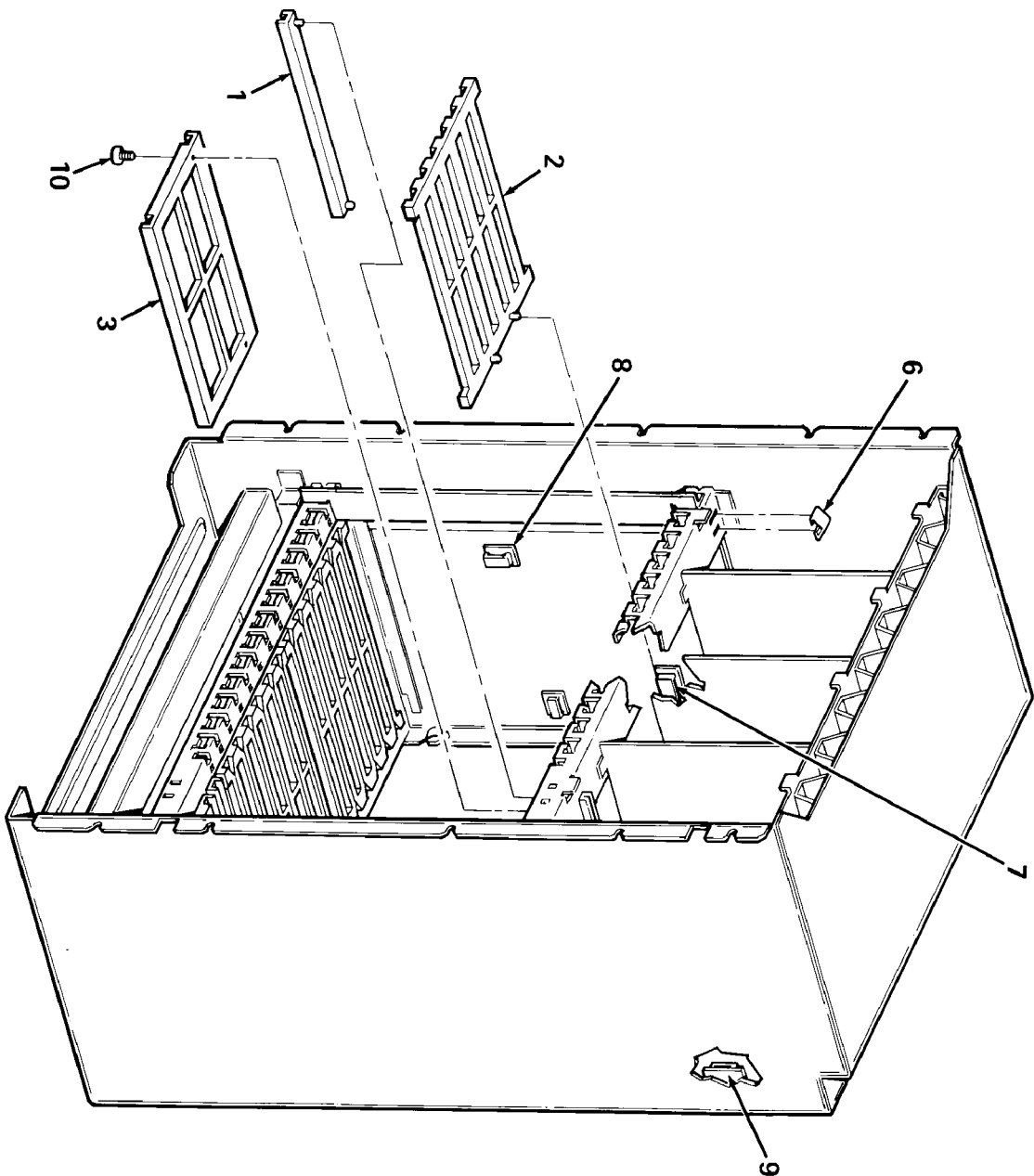
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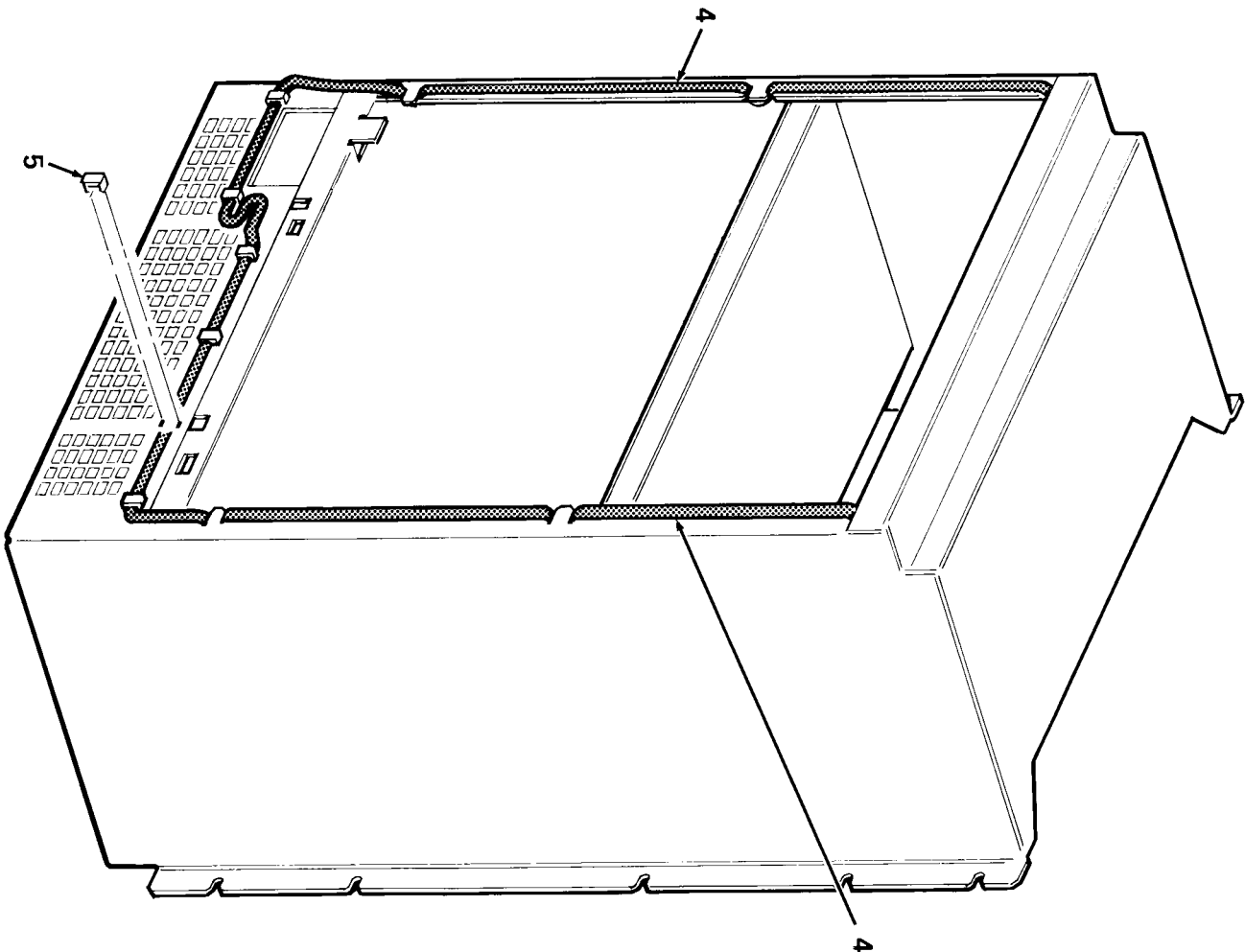
PARTS LIST

INDICATES FRU LEVEL PARTS.

PARTS LIST



BA400-13-SC



BA400-13A-SC

Figure 13. Frame Assembly, BA430 (Sheet 1 of 2)

Figure 13. Frame Assembly, BA430 (Sheet 2 of 2)

TITLE		ILLUSTRATED BREAKDOWN		SIZE CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		BA400-0-0		B	
SCALE 1/1		SHEET 21 OF 45		DIST					

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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27436 00000	USED ON CODE	REF FIG NO.
13-	FRAME ASSEMBLY, BA430	70-27436-01			12
1	*Guide, Single Card	74-39810-01			
2	*Guide, 6 Slot Card	74-33564-01			
3	*Guide, 8 Slot Card	74-39263-03			
4	*Gasket Assembly	70-19605-28			
5	*Clip, Nylon	12-21535-01			
6	*Finger, Grounding	12-26922-01			
7	*Clip, Flat Cable	12-15843-00			
8	*Clip, Adhesive Backed Cable	12-21249-01			
9	*Clamp, Cable	90-10016-00			
10	*Screw, Self-Tap Phl Pan Hd No. 6-32 x 1/4	90-08490-00			

								TITLE	ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER	REV
								FOR 400 SERIES ENCLOSURES	B	B		BA400-0-0	B
								SCALE 1/1	SHEET 22 OF 45	DIST			

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R400X EXPANDER

TITLE		ILLUSTRATED BREAKDOWN		SIZE	CODE	NUMBER		REV
FOR 400 SERIES ENCLOSURES		B	B	B	B	BA400-0-0		B
SCALE 1/1		SHEET 24 OF 45		DIST				

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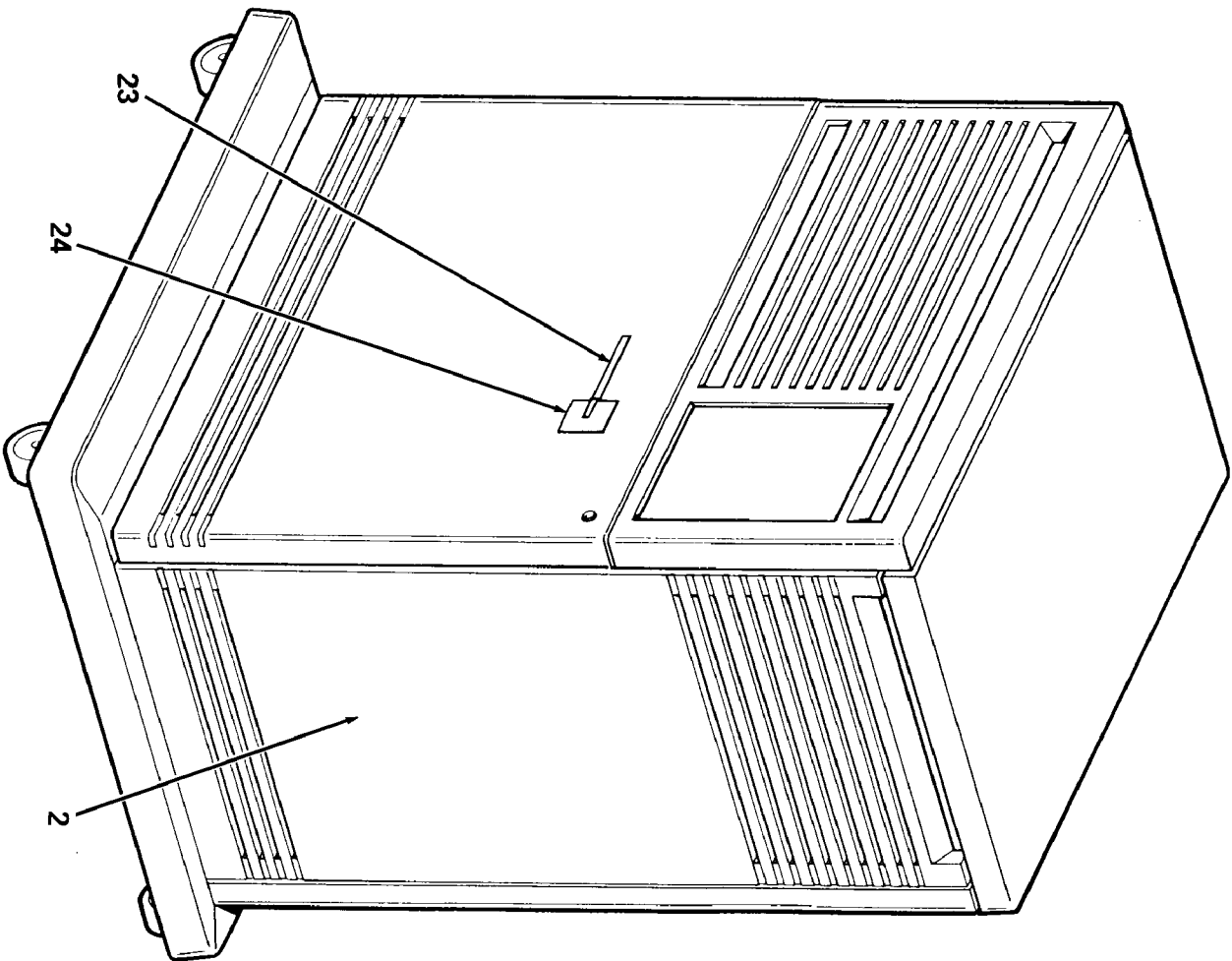
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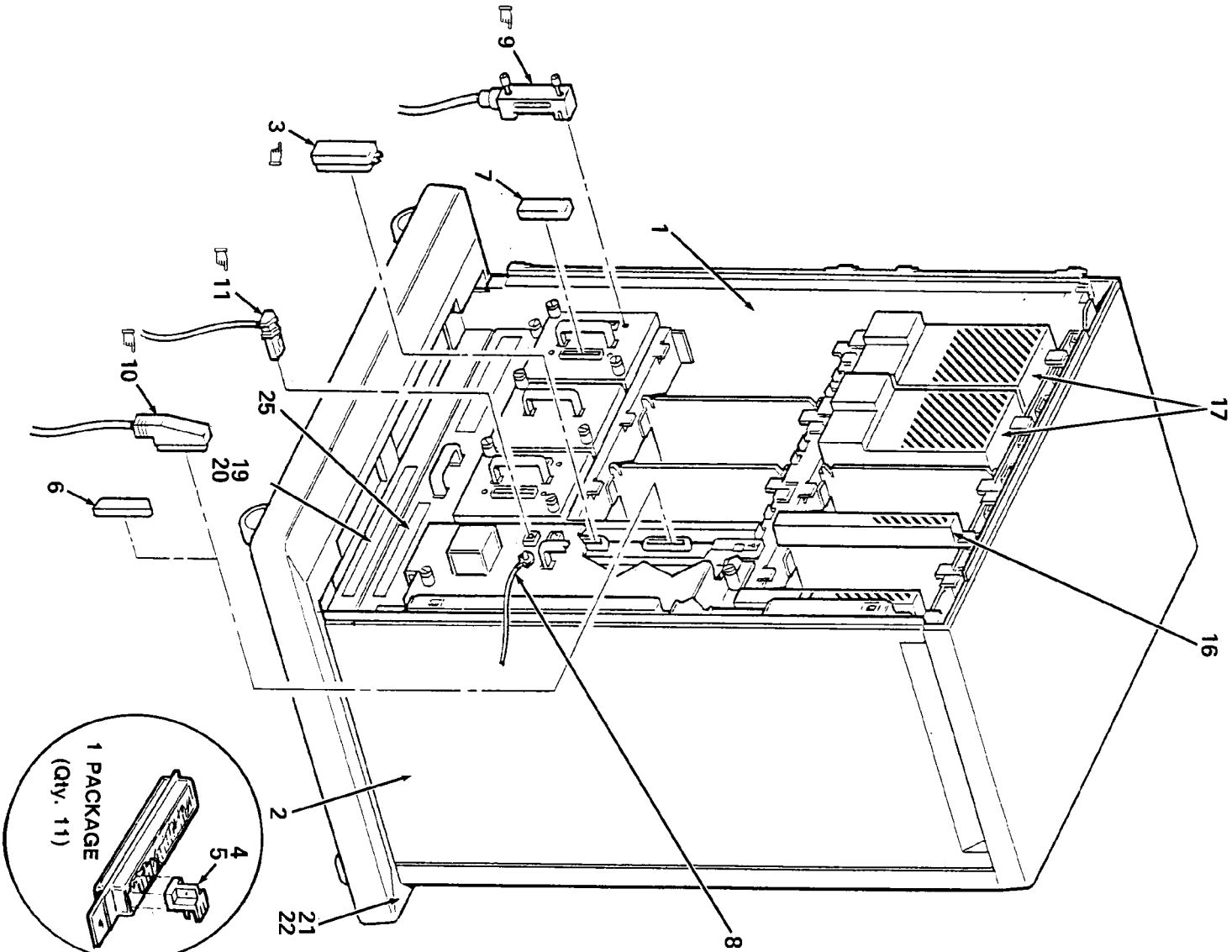
INDICATES FRU LEVEL PARTS.



BA400-15-SC

PARTS LIST

INDICATES FRU LEVEL PARTS.



BA400-15A-SC

PARTS LIST

Figure 15. R400X Expander Pedestal (Sheet 1 of 2)

Figure 15A. R400X expander Pedestal (Sheet 2 of 2)

TITLE		ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER		REV
FOR 400 SERIES ENCLOSURES		B	B	BA400-0-0	B		B
SCALE 1/1		SHEET 25 OF 45		DIST			

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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN R400X 00000	USED ON CODE	REF FIG NO.
15-	R400X EXPANDER PEDESTAL				
	Code A - Used on R400X-A9 (w/o Skins) Code B - Used on R400X-B9 (w/Skins)	R400X-A9 R400X-B9		A B	16
1	*CHASSIS ASSEMBLY, R400X (w/o Skins)	70-27452-01		A	
2	*CHASSIS ASSEMBLY, R400X (w/ Skins)	70-27452-02		B	
3	*Connector, SCSI Term 50 Pos Champ Hsg (deleted)	12-30552-01	00001		
4	*Encoder Set, Lens (DSSI Unit ID Plug)	12-28766-19			
5	*Encoder Set, Lens (SCSI Unit ID Plug)	12-28766-28			
6	*Cover, 50 Pin IDC Connector	12-33377-01			
7	*Port Protector, DSSI	12-33902-01			
8	*Strap, Grounding w/Label	12-13756-A8			
9	*Cable Assembly, 50 Conductor Molded Micro-D	17-02152-03			
10	*Cable Assembly, 50 Conductor Molded Shielded (BC06P-06) (6 Ft.)	17-02659-02			
11	*Cable Assembly, 03 Conductor Round Shielded (Power Control BA400 to BA400.)	17-02638-01			
	*Cable Assembly, 03 Conductor Round Shielded (Power Control BA400 to BA200) Not Part of This Assembly, Shown For Reference Only.	17-02637-01			
12	*Documentation, VAX 4000 Installation Checklist (Not Shown)	EK-V4000-IN 00003			
13	*Label, "FTZ Postcard Series BA400" (Not Shown)	36-30422-52			
14	*Label, "DSSI Configuration" (Not Shown)	36-33943-01			
15	*Bag, Poly Reclose 2 mil Thick Clear (Not Shown)	99-06557-30			
16	*Bezel Assembly, Filler	70-27414-01			
17	*Bezel Assembly, Disk Drive	70-27049-02			
18	*Power Cord 120V 10A (2.5M) (BN20A-2E) (US/Japan/Canada (Not Shown) (See Note)	17-00083-43			
19	*Label, "Serial/Model BA440, US"	36-32668-01		B	
20	*Label, "Serial/Model BA440, UK"	36-32668-02		B	
21	*Label, "Pedestal, US Series BA440"	36-32667-03		B	
22	*Label, "Pedestal, UK Series BA440"	36-32667-04		B	
23	*Strip, Color	74-40914-01		B	

FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN R400X 00000	USED ON CODE	REF FIG NO.
24	*Medallion, "R400X Pedestal"	74-40913-11		B	
25	*Label, "Logo/Model"	36-33152-07		A	
26	*Package Assembly (Not Shown)	37-01072-07		B	
27	*Package Assembly (Not Shown)	37-01072-08		A	
28	*Documentation, R400X Expander Customer Manual (added) (Not Shown)	EK-R400X-CM	00001		
29	*Documentation, MicroVAX Expander Cover Letter (added) (Not Shown)	EK-255AC-AD	00002		
30	*Label, "Pedestal" (Canada) (added)	36-32667-15	00003	B	
31	*Label, "Serial/Model" (Canada) (added)	36-32668-03	00003		
32	*Label, "Pre-Installed Software" (added) (Not Shown)	36-28979-01	00003		
NOTE: Reference Index for 240V Power Cords.					

TITLE		ILLUSTRATED BREAKDOWN		SIZE		CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		BA400-0-0		B			
SCALE 1/1		SHEET 26 OF 45		DIST							

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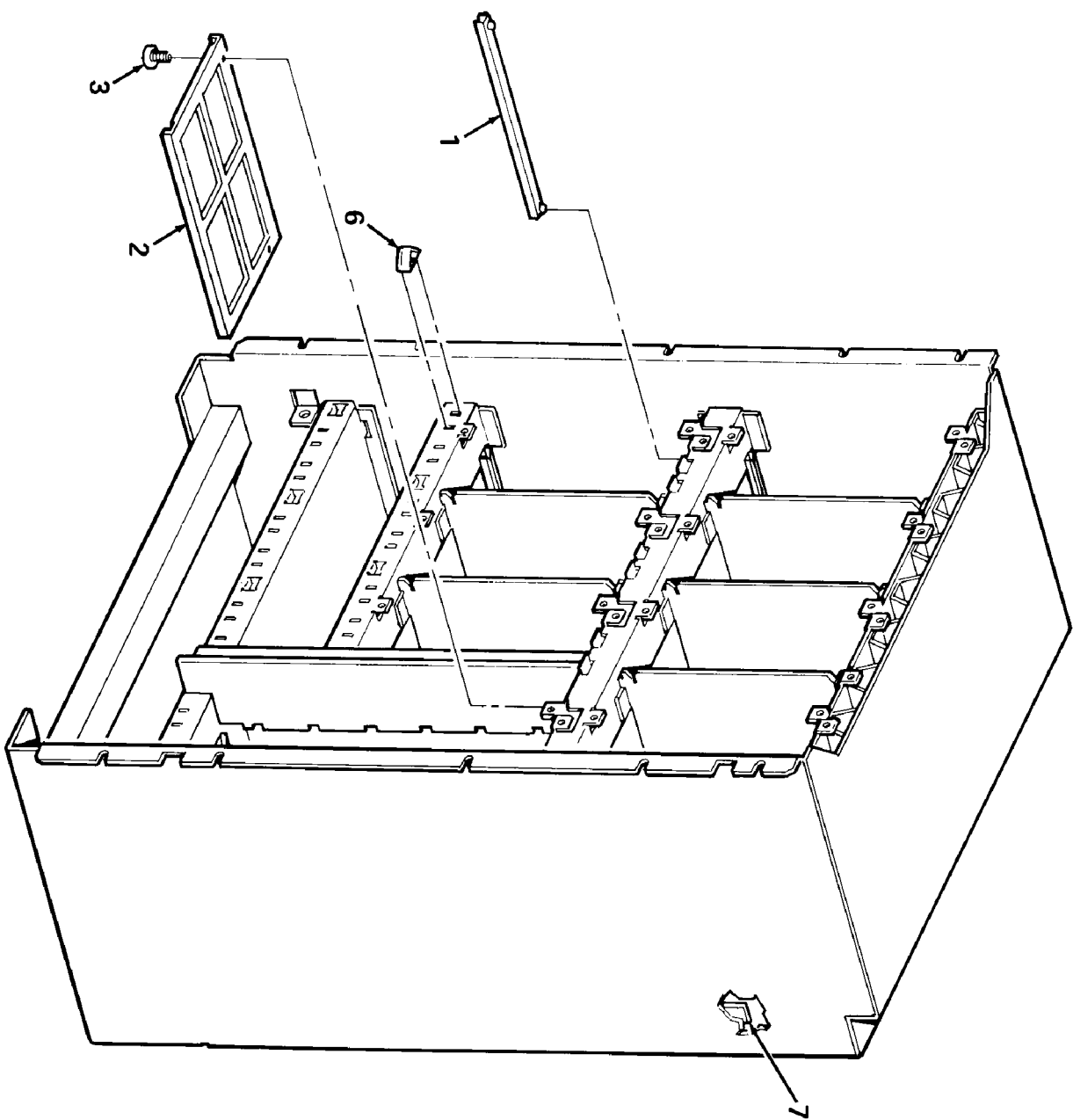
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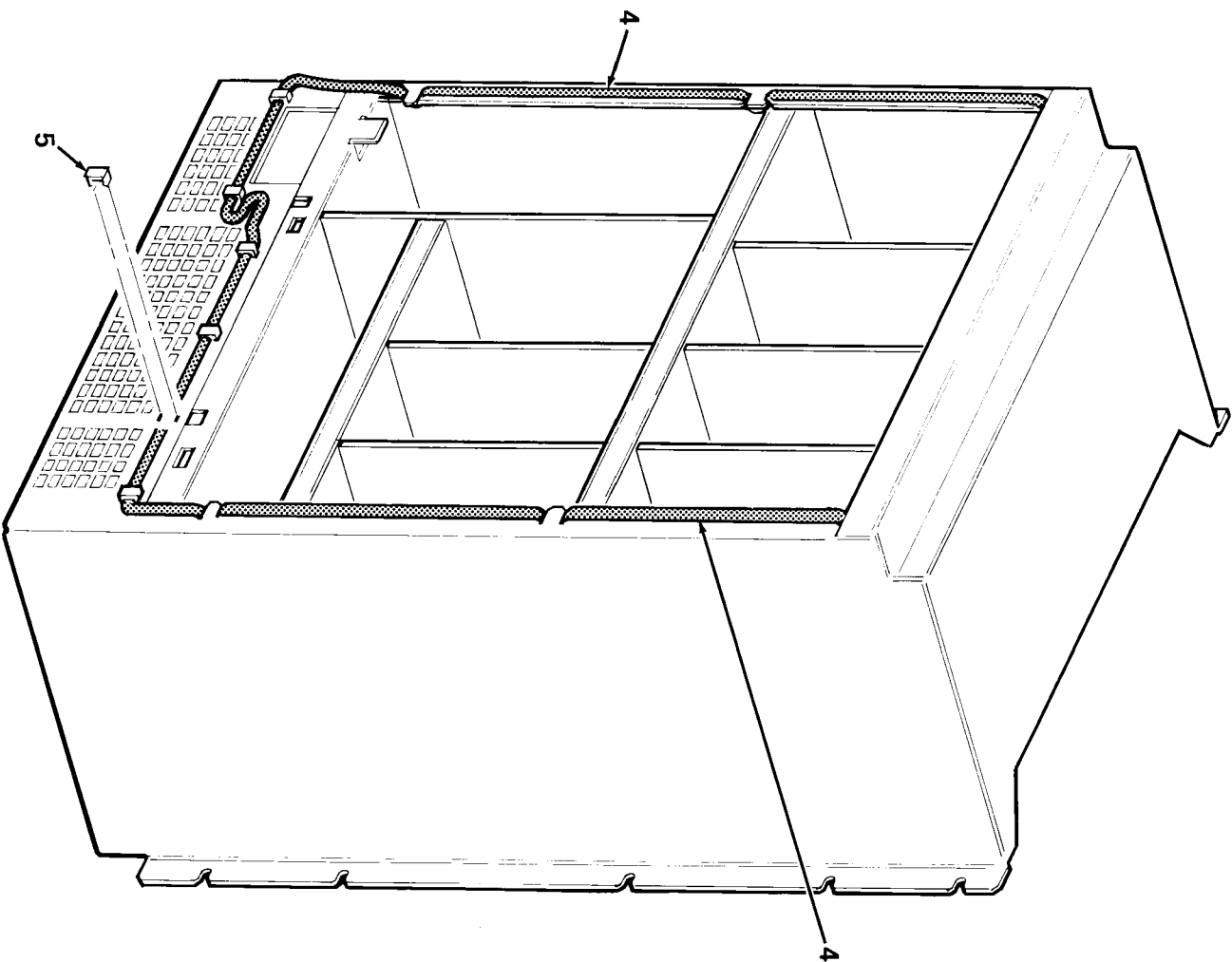
PARTS LIST

INDICATES FRU LEVEL PARTS

PARTS LIST



BA400-17-SC



BA400-17A-SC

Figure 17. Frame Assembly, R400X (Sheet 1 of 2)

Figure 17. Frame Assembly, R400X (Sheet 2 of 2)

TITLE		ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER		REV
FOR 400 SERIES ENCLOSURES		B	B	B	BA400-0-0		B
SCALE 1/1		SHEET 29 OF 45		DIST			

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FIG.& ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN 70-27453 00000	USED ON CODE	REF FIG NO.
17-	FRAME ASSEMBLY, R400X	70-27453-01			16
1	*Guide, Card Single	74-39810-01			
2	*Guide, 8 Slot Card	74-39263-03			
3	*Screw, Self-Tap Phl Pan Hd No. 6-32 x 1/4	90-08490-00			
4	*Gasket Assembly	70-19605-28			
5	*Clip, Nylon	12-21535-01			
6	*Finger, Grounding	12-26922-01			
7	*Clamp, Cable	90-10016-00			

								TITLE	ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER	REV
								FOR 400 SERIES ENCLOSURES	B	B		BA400-0-0	B
								SCALE 1/1	SHEET 30 OF 45	DIST			

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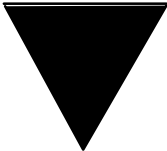
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B400X EXPANDER



TITLE		ILLUSTRATED BREAKDOWN		SIZE CODE		NUMBER		REV	
FOR 400 SERIES ENCLOSURES		B		B		BA400-0-0		B	
SCALE 1/1		SHEET 32 OF 45		DIST					

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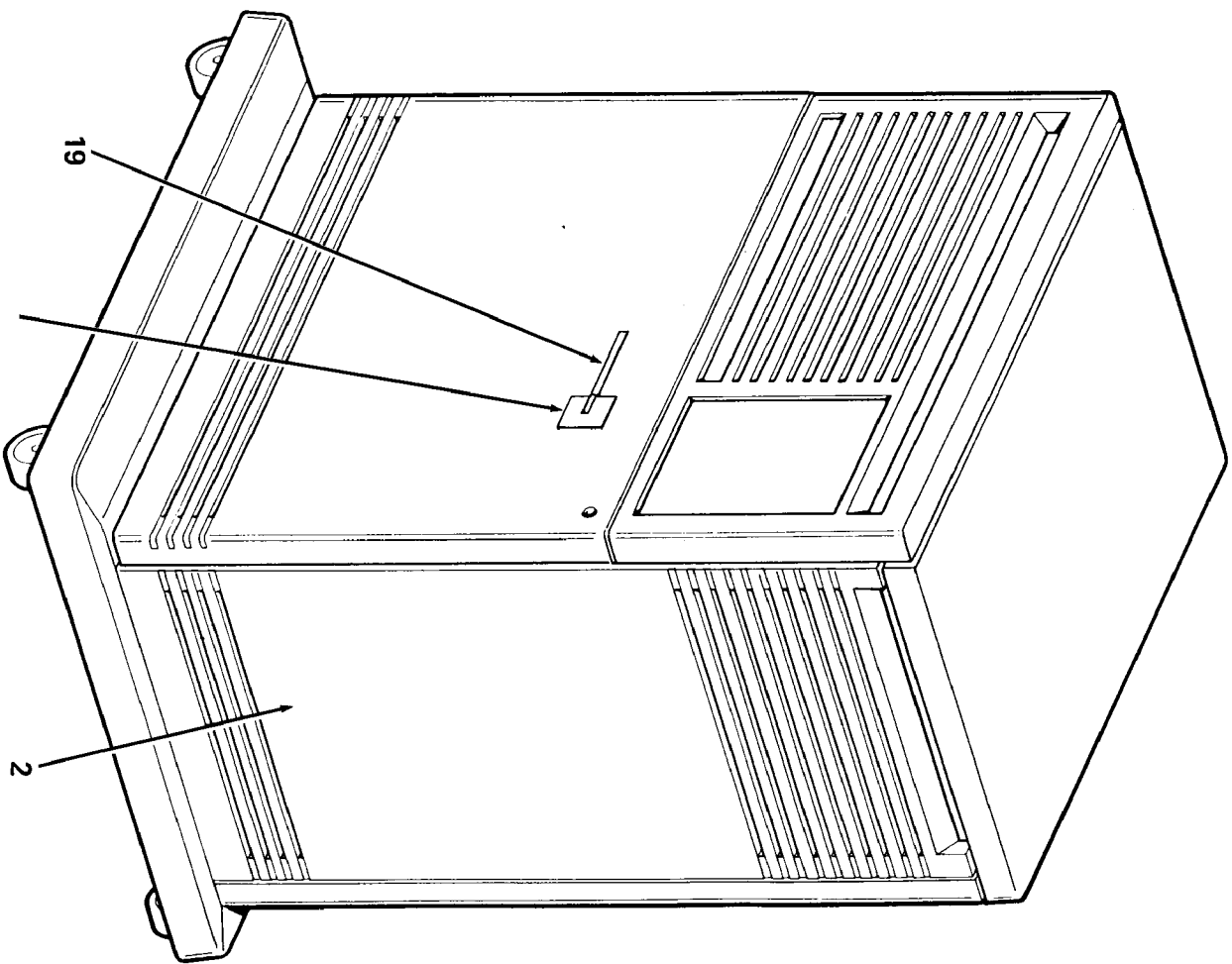
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INDICATES FRU LEVEL PARTS.

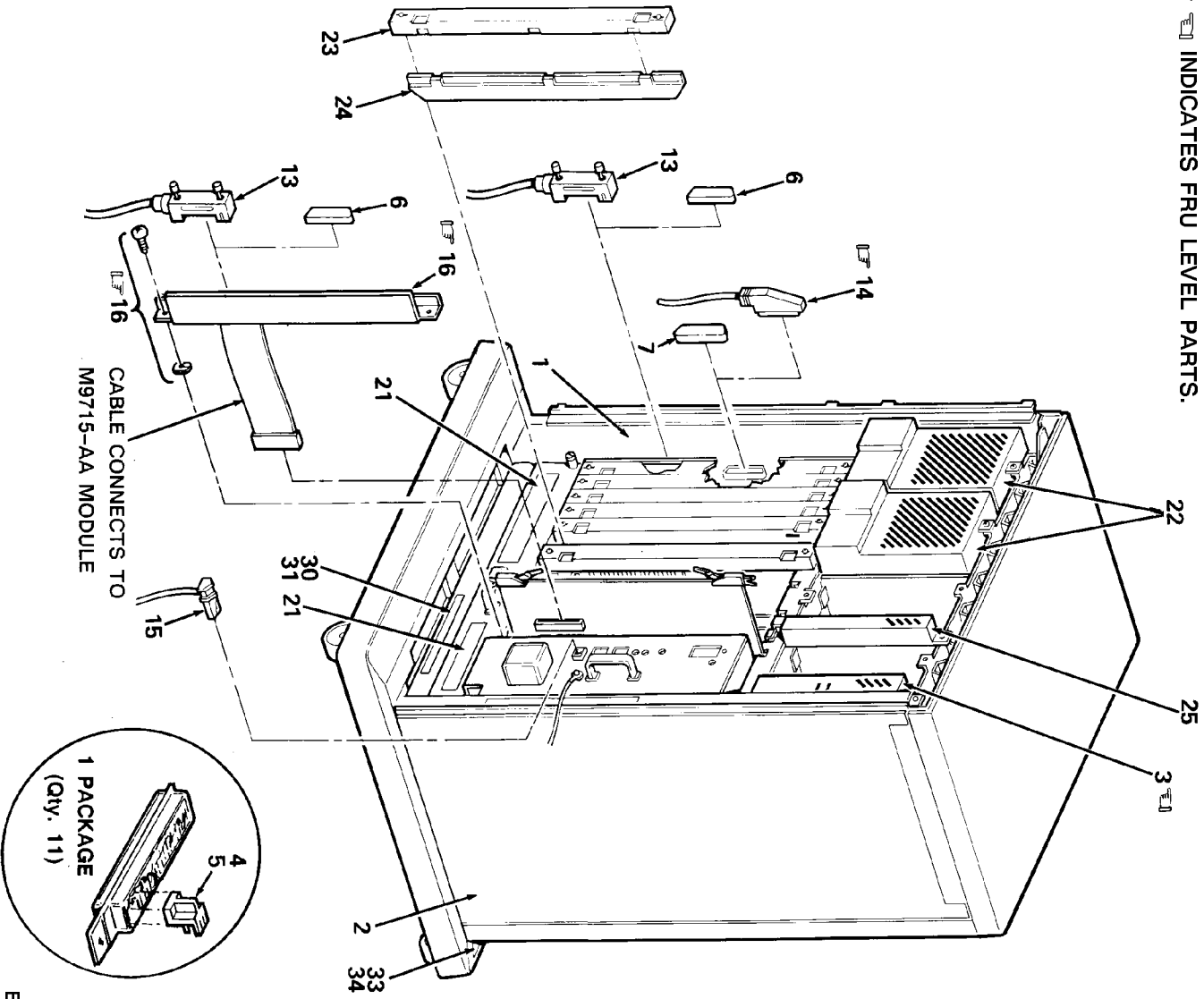
PARTS LIST

INDICATES FRU LEVEL PARTS.

PARTS LIST



BA400-19-SC



BA400-19-SC

Figure 19. B400X Expander Pedestal (Sheet 1 of 2)

Figure 19. B400X Expander Pedestal (Sheet 2 of 2)

TITLE		ILLUSTRATED BREAKDOWN	SIZE	CODE	NUMBER		REV
FOR 400 SERIES ENCLOSURES		B	B	BA400-0-0	B		B
SCALE 1/1		SHEET 33 OF 45	DIST				

*THIS DRAWING AND THE SPECIFICATIONS CONTAINED HEREIN ARE OWNED BY THE UNITED STATES OF AMERICA AND ARE NOT TO BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM THE FEDERAL BUREAU OF INVESTIGATION. THE FEDERAL COPYRIGHT LAWS, 1976

THIS DRAWING AND THE SPECIFICATIONS CONTAINED HEREIN ARE CONFIDENTIAL AND PROPRIETARY. THEY ARE THE PROPERTY OF ORIGINATOR AND SHALL REMAIN THE PROPERTY OF ORIGINATOR. NO PART OF THIS DRAWING OR SPECIFICATIONS SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM ORIGINATOR. THIS IS AN UNCLASSIFIED WORK PROTECTED UNDER THE FEDERAL COPYRIGHT LAWS, 1991														4				3				2				1																																																																																																																																																																																																																																																																																																																																																					
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37	*Documentation, B400X Expander Installation Manual (added) (Not Shown)	EK-B400X-IN	00001																																																																																																																																																																																																																																																																																																																																																																												
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39	*Label, "Pedestal" (Canada) (added)	36-32667-15	00002																																																																																																																																																																																																																																																																																																																																																																												
40	*Label, "Serial/Model" (Canada) (added)	36-32668-03	00002		B																																																																																																																																																																																																																																																																																																																																																																										
41	*Label, "Pre-Installed Software" (added) (Not Shown)	36-28979-01	00002																																																																																																																																																																																																																																																																																																																																																																												
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PART NUMBER/DESCRIPTION INDEX

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400 SERIES ENCLOSURES INDEX BY DEC PART DESCRIPTION										400 SERIES ENCLOSURES INDEX BY DEC PART DESCRIPTION										400 SERIES ENCLOSURES INDEX BY DEC PART DESCRIPTION										400 SERIES ENCLOSURES INDEX BY DEC PART DESCRIPTION																													
DESCRIPTION										DEC PART NO.										FIG. NO.										ITEM NO.																													
EXTENDER ASSEMBLY, DSSI JUMPER (Blank)										70-27406-02										16										6																													
EXTENDER ASSEMBLY, DSSI PORT										70-27406-01										16										5																													
EXTENDER ASSEMBLY, DSSI JUMPER (Blank)										70-27406-02										18										N/A																													
EXTENDER ASSEMBLY, DSSI PORT										70-27406-01										18										N/A																													
FAN ASSEMBLY, TRAY										70-26702-01										12										2																													
FAN ASSEMBLY, TRAY										70-26702-01										16										2																													
FAN ASSEMBLY, TRAY										70-26702-01										2										2																													
FAN ASSEMBLY, TRAY										70-26702-01										4										N/A																													
Fan, Tube Axial 6 Inch										12-31500-01										4										4																													
Fastener, 1/4 Turn										12-26948-01										5										11																													
Fastener, 1/4 Turn Phi Oval Hd (deleted)										12-26948-01										18										11																													
Finger, Grounding										12-26922-01										17										6																													
Finger, Grounding										12-26922-01										18										12																													
Finger, Grounding										12-26922-01										16										21																													
Finger, Grounding										12-26922-01										13										6																													
Finger, Grounding										12-26922-01										14										10																													
Finger, Grounding										12-26922-01										12										23																													
Finger, Grounding										12-26922-01										3										7																													
Finger, Grounding										12-26922-01										4										8																													
Finger, Grounding										12-26922-01										2										22																													
FRAME ASSEMBLY, BA430										70-27436-01										13										N/A																													
FRAME ASSEMBLY, BA430										70-27436-01										12										1																													
FRAME ASSEMBLY, BA440										70-26700-01										3										N/A																													
FRAME ASSEMBLY, BA440										70-26700-01										2										1																													
FRAME ASSEMBLY, R400X										70-27453-01										16										1																													
FRAME ASSEMBLY, R400X										70-27453-01										17										N/A																													
Fuse, Pico .062A 125V (F2), -12V Logic Power										12-09122-00										5										14																													
Fuse, Pico .500A 125V (F1), ThinWire Ethernet Power										12-09159-00										5										13																													
Fuse, Pico 1.5A 125V (F4) Standard Ethernet Power										12-10929-08										5										16																													
Fuse, Pico 2.0A 125V (F3) DSSI Termination Power										12-10929-06										5										15																													
Gasket (added)										74-42332-01										8										7																													
Gasket Assembly										70-19605-28										13										4																													
Gasket Assembly										70-19605-28										17										4																													
Gasket Assembly										70-19605-28										3										5																													
Guide, 6 Slot Card										74-33564-01										13										2																													
Guide, 6 Slot Card										74-33564-01										3										2																													
Guide, 8 Slot Card										74-39263-03										17										2																													
Guide, 8 Slot Card										74-39263-03										13										3																													
Guide, 8 Slot Card										74-39263-01										3										4																													
Guide, 8 Slot Card										74-39263-01										3										4																													
Guide, Card Single										74-39810-01										17										1																													
Guide, Card Single										74-39810-01										3										1																													
Guide, Single Card										74-39810-01										13										1																													
Guide, Top 8 Slot Card										74-39263-02										3										3																													
Harness Assembly, Wire (Connector)										17-02507-01										4										5																													
DESCRIPTION										INSULATOR, BACKPLANE										74-38980-01										12										8																			
INSULATOR, BACKPLANE										74-38980-01										16										8																													
INSULATOR, BACKPLANE MODULE										74-38980-01										2										8																													
INSULATOR, COVER MODULE										74-39280-01										5										3																													
ISOLATION ASSEMBLY, BASE										70-28094-01										16										13																													
ISOLATION ASSEMBLY, BASE										70-28094-01										12										15																													
ISOLATION ASSEMBLY, BASE										70-28094-01										2										14																													
ISOLATOR, CYLINDRICAL										12-33427-01										16										28																													
ISOLATOR, CYLINDRICAL										12-33427-01										12										19																													
ISOLATOR, CYLINDRICAL										12-33427-01										2										29																													
Key, Plastic (Not Shown)										12-17119-01										16										25																													
Key, Plastic (Not Shown)										12-17119-01										12										27																													
Key, Plastic (Not Shown)										12-17119-01										2										26																													
Kit, Bulkhead Panel (Not Shown)										70-24505-01										19										17																													
Kit, Q-Bus Expansion w/ Cables (Not Shown)										BA21X-SF										19										17																													
Label, "BA2XX Rev" (Rolled) (Not Shown)										36-29163-07										19										29																													
Label, "BA2XX Rev" (Sheeted) (Not Shown)										36-29164-07										19										9																													
Label, "BA2XX Rev" (Sheeted) (Not Shown)										36-29164-07										1										13																													
Label, "BA2XX Rev" (Sheeted) (Not Shown)										36-29164-07										11										9																													
Label, "DSSI Configuration" (Connector) (Not Shown)										36-33807-01										18										15																													
Label, "DSSI Configuration" (Jumper) (Not Shown)										36-33807-02										18										16																													
Label, "DSSI Configuration" (Not Shown)										36-33943-01										15										14																													
Label, "FTZ Postcard Series BA400" (Not Shown)										36-30422-52										15										13																													
Label, "FTZ Postcard Series BA400" (Not Shown)										36-30422-52										1										16																													
Label, "ID w/Copy Horizontal"										36-16073-02										7										8																													
Label, "ID w/Copy Horizontal"										36-16073-02										8										6																													
Label, "Logo/Model"										36-33152-07										15										25																													
Label, "Logo/Model"										36-33152-08										19										21																													
Label, "Logo/Model"										36-33152-10										11										22																													
Label, "Logo/Model"										36-33152-09										1										25																													
Label, "Module Number" (M9060-YA) (Not Shown)										36-26883-17										19										27																													
Label, "Module Utilization" (Not Shown)										36-27923-01										19										10																													
Label, "Module Utilization" (Not Shown)										36-27923-01										1										14																													
Label, "Module Utilization" (Not Shown)										36-27923-01										11										10																													
Label, "Pedestal Canada" (added)										36-32667-15										11										30																													
Label, "Pedestal Canada" (added)										36-32667-15										1										33																													
Label, "Pedestal UK Series BA440"										36-32667-04										19										34																													
Label, "Pedestal US Series BA440"										36-32667-03										19										33																													
Label, "Pedestal" (Canada) (added)										36-32667-15										19										39																													
Label, "Pedestal" (Canada) (added)										36-32667-15										15										30																													
Label, "Pedestal, UK Series BA440"										36-32667-04										15										22																													
Label, "Pedestal, UK Series BA440"										36-32667-04										11										24																													
Label, "Pedestal, UK Series BA440"										36-32667-04										1										27																													
Label, "Pedestal, US Series BA440"										36-32667-03										15										21																													
Label, "Pedestal, US Series BA440"										36-32667-03										1										26																													
Label, "Pedestal, US Series BA440"										36-32667-03										11										23																													
TITLE										ILLUSTRATED BREAKDOWN										SIZE										CODE										NUMBER										REV									
FOR 400 SERIES ENCLOSURES										B										B										B										BA400-0-0										B									
SCALE 1/1										SHEET 43 OF 45										DIST																																							
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ITEM NO.																ITEM NO.																																																															
Power Cord 240V 10A (2.5M) (BN22J-2E) (Italy)																Strap, Grounding w/Label																																																															
Power Cord 240V 10A (2.5M) (BN22K-2E)																Strap, Grounding w/Label																																																															
Power Cord 240V 10A (2.5M) (BN22L-2E) (Israel)																Strap, Grounding w/Label																																																															
Power Supply Assembly																Strip, Color																																																															
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Power Supply Assembly																Strip, Color																																																															
R400X EXPANDER PEDESTAL																Tee, Coax (H8223-00)																																																															
R400X-A9 (w/o Skins)																Terminator, Thinwire (H8225-00)																																																															
R400X-B9 (w/Skins)																Tray, Fan																																																															
Screw, Hex Cap Hd No. 1/4 -20 x 1/2 (deleted)																Washer, Flat																																																															
Screw, Hex Cap Hd No. 1/4-20 x 3/4																Washer, Flat																																																															
Screw, Hex Cap Hd No. 1/4-20 x 3/4																Washer, Flat																																																															
Screw, Hex Cap Hd No. 1/4-20 x 3/4																Washer, Flat																																																															
Screw, Machine Flat Hd 2.5 Metric																Washer, Flat																																																															
Screw, Machine Flat Hd No. 6-32 x 3/8																Washer, Flat																																																															
Screw, Machine Flat Hd No. M2.5 x 8mm																Washer, Flat																																																															
Screw, Machine Flat Hd No. M2.5 x 8mm																Washer, Flat																																																															
Screw, Phil Pan Hd No. 8-16 x 3/8																Washer, Internal Lock																																																															
Screw, Phil Pan Hd No. 8-16 x 3/8																Washer, Internal Lock																																																															
Screw, Self-Tap Phil Pan Hd No. 6-32 x 1/4																Washer, Internal Lock																																																															
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