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EK-H780-IP-001

ILLUSTRATED PARTS BREAKDOWN

H780 POWER SUPPLY

HOW TO USE THE IPB

GENERAL

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

MAJOR ASSEMBLY LOCATOR

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. Additional asterisks are used, as required, to denote further subordination. 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 or assembly is not immediately available.

COLUMN CALLOUT DESCRIPTION

Figure & 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 DEC part ordering number. A blank in this column indicates a DEC 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. A bracket ([) preceding the item description is used to indicate the parts affected by ECO's.

Vendor Code/Part No. – Indicates vendor parts that are not stocked by DEC. Refer to the Field Service Spares Catalog (vendor part number to DEC part number) for the vendor code cross-reference.

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.

SYMBOL USAGE

Hardware Designators – Alpha designators for screws (S), washers (W), nuts (N), and retaining rings (R) are inserted after the item number callouts on the illustration when stacked item numbers are used.

Attaching Hardware – The @ symbol is inserted before any part that is used as attaching hardware. Attaching hardware is denoted as those parts that are not an integral part of the referenced assembly.

(NFR) Not Field Repairable – The (NFR) symbol is inserted after any assembly that is not to be field dismantled.

Other Symbols – Any other symbols that are required for kits, accessories, etc., will be explained and appear as part of the item description.

REVISION HISTORY				OTHER IPB MANUALS REFERENCED WITHIN THIS MANUAL . . . . .
PRINTING	ECO LEVEL	DATE	PAGES AFFECTED	
1st Printing	H780 00010-00011 70-11569 H780-00006	6-2-78	N/A	N/A

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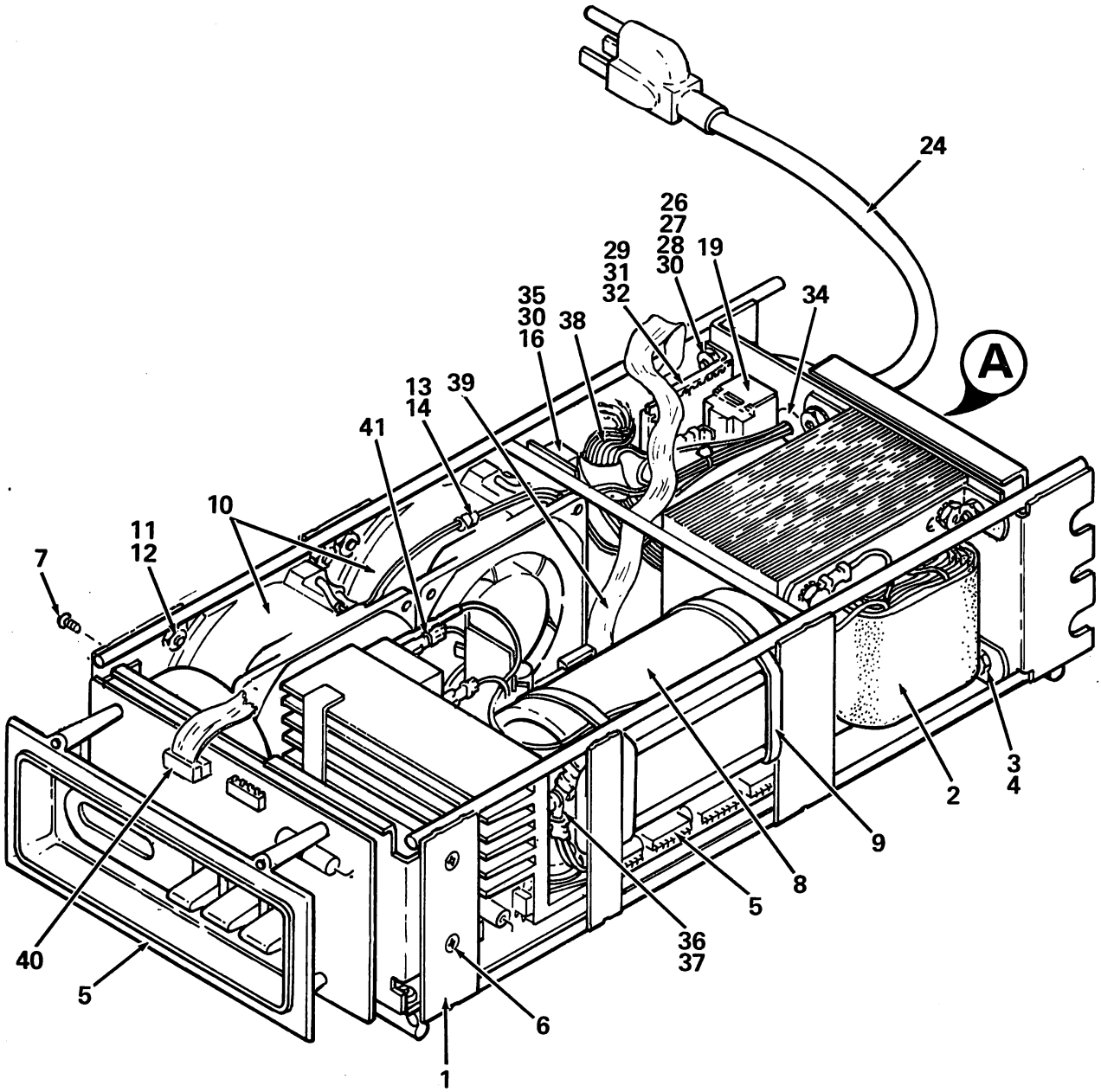


H780-01

Figure 1. H780 Power Supply (Sheet 1 of 2)

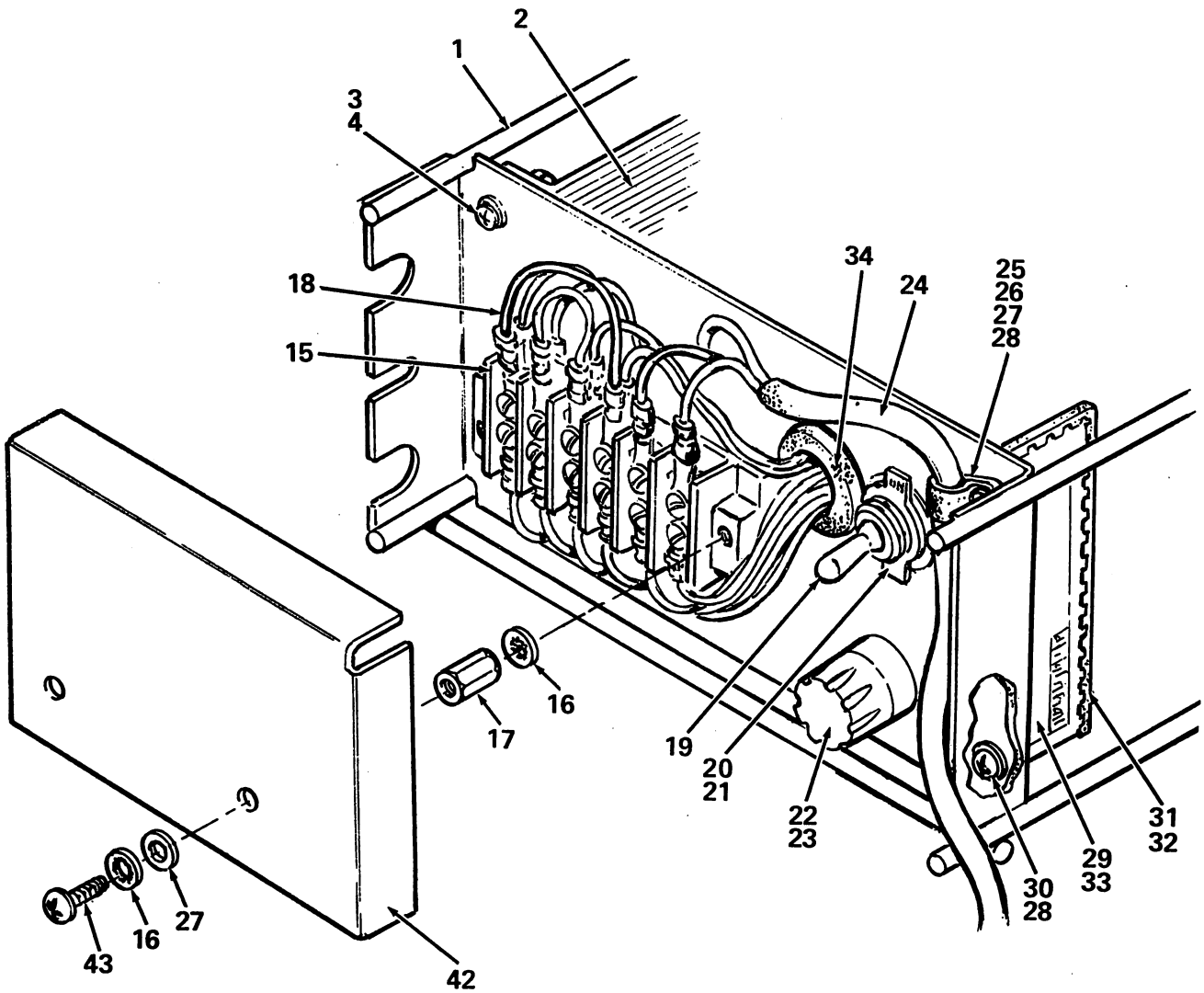


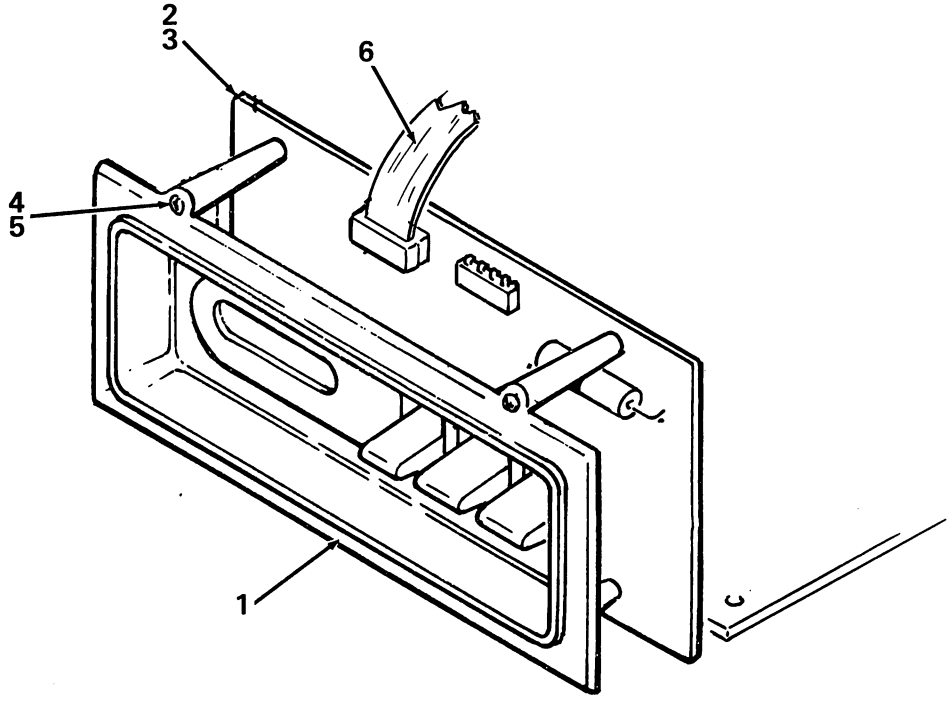
Figure 1. H780 Power Supply (Sheet 2 of 2)

FIG. & ITEM NO.	DESCRIPTION	M DEC PART NO.	ECO CUT-IN H780 00010	USED ON CODE	REF FIG NO.
1–	H780 POWER SUPPLY ASSEMBLY				
	Code A - Used on Model H780-0 115 V/230V W/ No Line Cord	H780-0		A	
	Code B - Used on Model H780-A 115V W/Master Console and Line Cord	H780-A		B	
	Code C - Used on Model H780-B 230V W/ Master Console and Line Cord	H780-B		C	
	Code D - Used on Model H780-C 115V W/ No Console, and Line Cord	H780-C		D	
	Code - E Used on Model H780-D 230V W/ No Console, No Line Cord	H780-D		E	
	Code F - Used on Model H780-E 115V W/ Slave Console and Line Cord	H780-E		F	
	Code G - Used on Model H780-F 230V W/ Slave Console and Line Cord	H780-F		G	
	Code H- Used on Model H780-H 115V W/ Master Console, No Line Cord	H780-H		H	
	Code J - Used on Model H780-J 230V W/ Master Console, No Line Cord	H780-J		J	
	Code K - Used on Model H780-K 115V W/ Slave Console, No Line Cord	H780-K		K	
	Code L - Used on Model H780-L 230V W/ Slave Console, No Line Cord	H780-L		L	
	Code M - Used on Model H780-M 115V W/ No Console, No Fans, No Line Cord	H780-M		M	
	Code N - Used on Model H780-N 230V W/ No Console, No Fans, No Line Cord	H780-N		N	
1	*Power Supply Chassis Assembly	70-11283-00			
2	*Transformer Assembly	70-11667-00			
3	*Screw, Phl Truss Hd No. 10 - 32 x .38	90-06071-03			
4	*Nut Kep No. 10 - 32	90-06565-00			
5	*REGULATOR ASSEMBLY (Master Console)	70-11569-00		ABCHJ	2
	*REGULATOR ASSEMBLY (Slave Console)	70-11569-01		FGKL	2
	*REGULATOR ASSEMBLY (No Console)	70-11569-02		DEMN	2
6	*Screw, Phl Flat Hd No. 8 -32 x .25	90-00039-01			
7	*Screw, Phl Pan Hd No. 8 - 32 x 5/16	90-06036-01		DEHJKL MN	
8	*Capacitor (C1) 19,000 MFD 40 V	10-09966-00			
9	*Cable Tie .19 Wide x 11.0 Long	90-09617-00			
10	*Fan, Boxer, 35 CFM, 115V	12-10719-00		A—L	

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN H780 00010	USED ON CODE	REF FIG NO.
1–					
11	*Screw, Phl Flat Hd No. 4-40 x .38	90-06011-02		A–L	
12	*Nut, Kep No. 4 - 40	90-06557-00		A–L	
13	*HARNESS, Fan	70-11733-00		A–L	
14	*HARNESS, Fan (Modified)	70-11733-01		MN	
15	*Terminal Block (6 Position)	90-06905-00			
16	*Washer, Int Tooth Lock No. 6	90-06633-00			
17	*Spacer, Threaded No. 6-32 x 3/8	90-06844-00			
18	*Jumper	74-14691-00		B–N	
19	*Switch, Toggle	12-04722-00			
20	*Label, Switch (On-Off)	90-09314-01			
21	*Ring, Locking	90-09782-00			
22	*Holder, Fuse 20A, 250V	12-11348-00			
23	*Fuse, 5 Amp 250V	90-07221-00		BDFHKM	
	*Fuse, 2.5 Amp 250V	90-08387-00		CEGJLN	
24	*Input Power Cable Assembly 115V	70-12075-01		BF	
	*Input Power Cable Assembly 240V	70-12075-00		CG	
25	*Cable Tie (Part of Item 24)	90-07031-00		BFCG	
26	*Screw, Phl Pan Hd No. 6-32 x .50 (Used to Fasten Cable Tie Item 25 to Chassis Item 1)	90-06024-01		BFCG	
27	*Washer, Flat (.156 ID x .380 OD)	90-06653-00		B–N	
28	*Nut, Kep No. 6-32	90-06560-00			
29	*Shield, UL	74-14712-00			
30	*Screw, Phl Pan Hd. No. 6-32 x .38	90-06022-01			
31	*Grommet, Caterpillar (2.75 in)	90-07035-00			
32	*Adhesive, Perma-Bond 240	49-01230-00			
33	*Label, Power Supply	90-09255-00			
34	*Grommet, Rubber .50 ID	90-07016-00			
35	*Filter (C2)	70-11668-00		CEGJL	
36	*Screw, Slotted Pan Hd No. 10-32 x 5/16	90-09669-01			
37	*Washer, Int tooth Lock No. 10	90-06635-00			
38	*DC Output Cable Assembly	70-11584-00		A–L	
39	*Logic Cable Assembly	70-11411-0K			
40	*Console Cable Assembly	70-08612-0M			
41	*HARNESS, Input	70-11658-00			

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN H780 00010	USED ON CODE	REF FIG NO.
1–					
42	*Shield, Power Supply, H780A, 115V (Deleted)	70-14416-00		B	
	*Shield, Power Supply, H780A, 115V (Added)	70-14416-12	00011	B	
	*Shield, Power Supply, H780B, 230V (Deleted)	70-14416-01		C	
	*Shield, Power Supply, H780B, 230V (Added)	70-14416-13	00011	C	
	*Shield, Power Supply, H780C, 115V (Deleted)	70-14416-04		D	
	*Shield, Power Supply, H780C, 115V (Added)	70-14416-12	00011	D	
	*Shield, Power Supply, H780D, 230V (Deleted)	70-14416-05		E	
	*Shield, Power Supply, H780D, 230V (Added)	70-14416-13	00011	E	
	*Shield, Power Supply, H780E, 115V (Deleted)	70-14416-02		F	
	*Shield, Power Supply, H780E, 115V (Added)	70-14416-12	00011	F	
	*Shield, Power Supply, H780F, 230V (Deleted)	70-14416-03		G	
	*Shield, Power Supply, H780F, 230V (Added)	70-14416-13	00011	G	
	*Shield, Power Supply, H780H, 115V (Deleted)	70-14416-06		H	
	*Shield, Power Supply, H780H, 115V (Added)	70-14416-12	00011	H	
	*Shield, Power Supply, H780J, 230V (Deleted)	70-14416-07		J	
	*Shield, Power Supply, H780J, 230V (Added)	70-14416-13	00011	J	
	*Shield, Power Supply, H780K, 115V (Deleted)	70-14416-08		K	
	*Shield, Power Supply, H780K, 115V (Added)	70-14416-12	00011	K	
	*Shield, Power Supply, H780L, 230V (Deleted)	70-14416-09		L	
	*Shield, Power Supply, H780L, 230V (Added)	70-14416-13	00011	L	
	*Shield, Power Supply, H780M, 115V (Deleted)	70-14416-10		M	
	*Shield, Power Supply, H780M, 115V (Added)	70-14416-12	00011	M	
	*Shield, Power Supply, H780N, 230V (Deleted)	70-14416-11		N	
	*Shield, Power Supply, H780N, 230V (Added)	70-14416-13	00011	N	
43	*Screw, Phl Pan Hd No. 6-32 x .25	90-06020-01		B–N	

FIG. & ITEM NO.	DESCRIPTION	DEC PART NO. E	ECO CUT-IN H780 00006	USED ON CODE	REF FIG NO.
2–	REGULATOR ASSEMBLY (Master Console)	70-11569-00		ABCHJ	1
	REGULATOR ASSEMBLY (Slave Console)	70-11569-01		FGKL	1
	REGULATOR ASSEMBLY (No Console)	70-11569-02		DEMN	1
1	*Frame Assembly	70-11656-00		ABCHJ	
2	*Light and Switch Board Assembly (Master Console)	54-11808-00		ABCHJ	
3	*Slave Board Assembly (Slave Console)	54-12143-00		FGKL	
4	*Screw, Phl Pan Hd No. 4-40 x 1.12	90-08034-01		ABCHJ	
5	*Washer, Flat .125 ID	90-06655-00		ABCHJ	
6	*Cable Assembly (Logic Board to Switch Board)	70-08612-0M		ABCHJ FGKL	
					DEC



H780-02

Figure 2. Regulator Assembly

ILLUSTRATED PARTS BREAKDOWN
COMMENT SHEET

Any and all comments and suggestions for correcting errors and/or additional information to improve this manual will be reviewed and researched for possible use when this manual is revised and/or reprinted. Enter your comments and suggestions in the form provided below and return to Technical Documentation.

MODEL H780 Power Supply Assembly **PUBLICATION NO.** EK-H780-IP-001

FIGURE NO. _____ ITEM NO. _____
CHANGE FROM _____
CHANGE TO _____

FIGURE NO. _____ ITEM NO. _____
CHANGE FROM _____
CHANGE TO _____

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FIGURE NO. _____ ITEM NO. _____
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