

ILLUSTRATED PARTS BREAKDOWN

TU56 DECTAPE

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

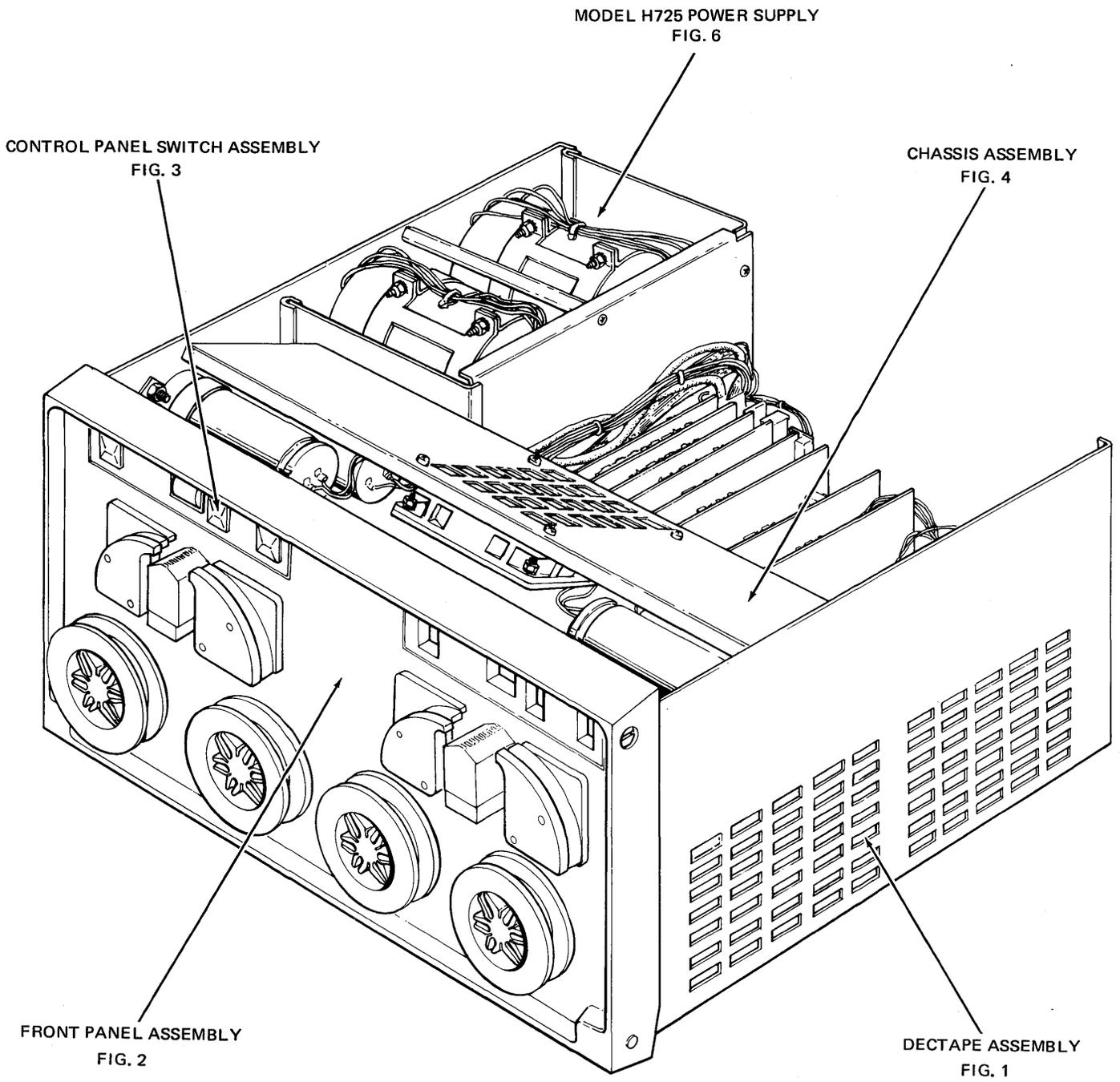
PRINTING	ECO LEVEL	DATE	PAGES AFFECTED
1st Printing	TU56-00014-00072	2/2/73	N/A
1st Printing	H725-00001-00007	2/2/73	N/A
2nd Printing	TU56 00073-00078	10/20/73	NOTE: THIS 2ND PRINTING DEC-TU56-IPB-2
"	H725 00008-00011	"	SUPERSEDES 1ST PRINTING DEC-TU56-IPB-1.

Copyright © 1973, by Digital Equipment Corporation

DEC 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.

DEC 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.



TU56-01

TU56 DEctape – Major Assembly Locator

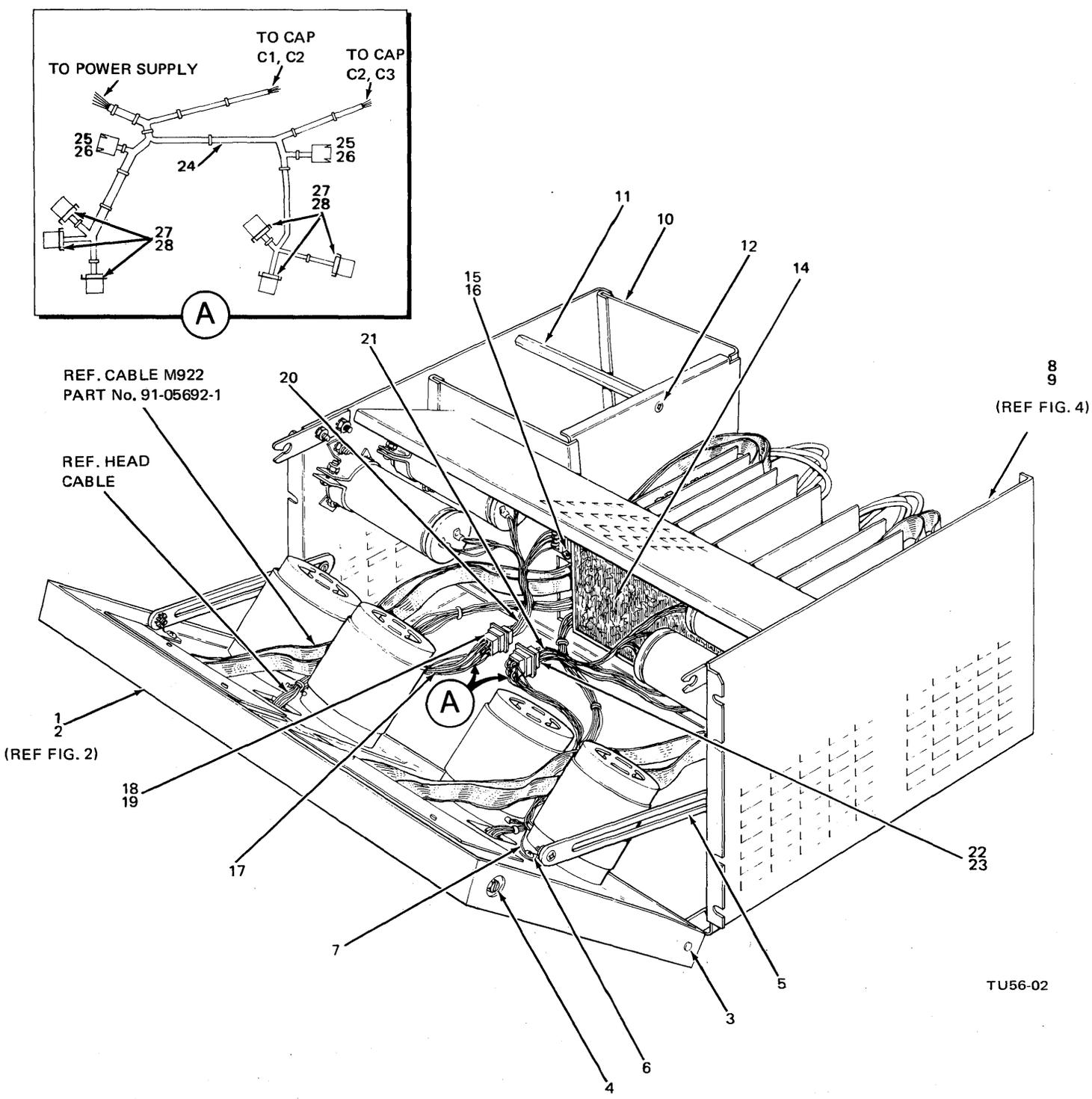
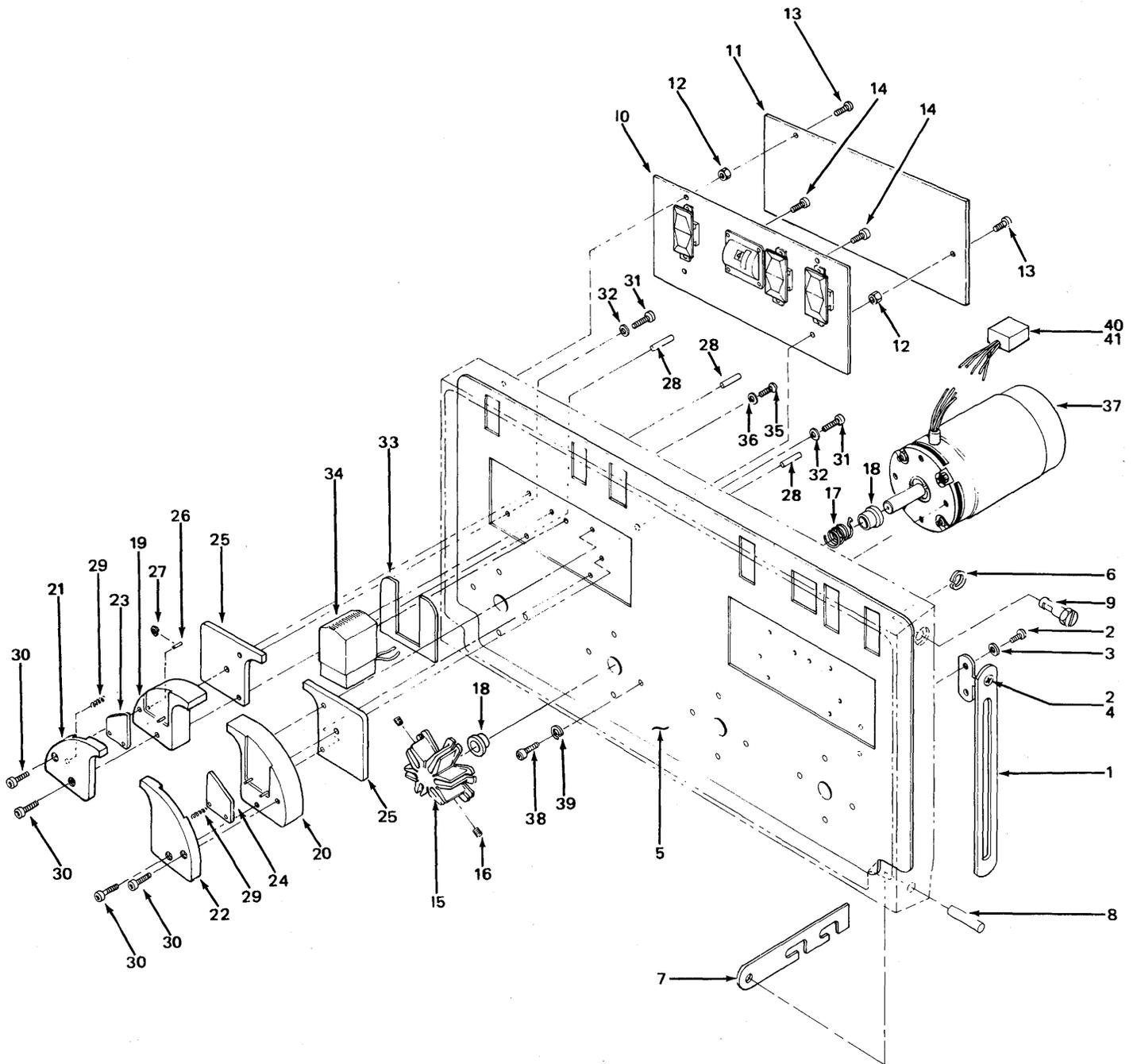


Figure 1. DECTape Assembly

TU56-02

FIG & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN TU56-00014	USED ON CODE	VENDOR CODE	PART NO.	REF FIG NO.
1-	MODEL TU56 DECTAPE ASSEMBLY Code "A" used on TU56 (Dual DECTape) Code "B" used on TU56-H (Single DECTape) Code "C" used on TU56-M Code "D" used on TU56-MR Code "E" used on TU56-HC Code "F" used on TU56-C Code "G" used on TU56-MD Code "H" used on TU56-MC Code "J" used on TU56-MH Code "K" used on TU56-MJ	TU56-0 TU56-H TU56-M TU56-MR TU56-HC TU56-C TU56-MD TU56-MC TU56-MH TU56-MJ		A B C D E F G H J K			
1	*FRONT PANEL ASSEMBLY	70-06320-01		B,E,G,J,K			2
2	*FRONT PANEL ASSEMBLY	70-06320-02		A,C,D,F,H			2
3	@Pin, Lock	74-07400-00					
4	@Pin, Dowel	90-08130-00					
5	*Support, Lid	12-09600-00					
6	*Screw, Phi Hd Truss No. 10-32 x 1/4 Lg SST	90-08007-03					
7	*Lug, Ground No. 10	90-08150-00	00062				
8	*CHASSIS ASSEMBLY	70-06319-01		A,C,D,E,F,H			4
9	*CHASSIS ASSEMBLY	70-06319-02		B,E,G,J,K			4
10	*Power Supply Assembly (125V)	H725					5
	*Power Supply Assembly (250V)	H725A					
11	@Spacer, (3/8 AF x 4-3/4 Lg x 6-32 Thd)	90-06633-00	00016				
12	*Screw, Phi Hd Pan No. 6-32 x 5/16 Lg SST	90-06021-00					
13	*Washer, Lock Ext Tooth No. 6	90-07651-00					
14	*WIRED ASSEMBLY	70-06321-00					
15	*Screw, Phi Hd Pan No. 10-32 x 3/4 Lg SST	90-06075-01					
16	*Nut, Keps No. 10-32	90-06565-00					
17	*CABLE-MOTOR CONNECTOR	70-06697-00	00050				
18	**Socket Housing-Mate-N-Lok	12-09350-09					
19	**Pin Connector (Female)	12-09379-00					
	**Commoning Tab, Mate-N-Lok	12-09827-00					
20	*CABLE-CARD CONNECTOR (R.H.)	70-06695-00	00050				
21	*CABLE-CARD CONNECTOR (L.H.)	70-06696-00	00050				
22	**Housing, Socket-Mate-N-Lok	12-09340-01					
23	**Pin, Contact (Male)	12-09378-01					
24	*Harness, Main Chassis (New)	70-06981-00					
25	**Socket Housing-Mate-N-Lok	12-09350-09					
26	**Pin, Contact Female	12-09379-09					
27	**Socket Housing-Mate-N-Lok	12-09340-01					
28	**Pin, Contact Male	12-09378-01	00050				
	ACCESSORY LIST						
	a. Select Cable	BC02X-03		A,C,D,B,J,K			
	b. Mounting Bracket (H950 Cabinet)	74-8321					
	c. Spacer Block (H950 Cabinet)	74-8322					
	d. Complete Print Set (see A-ML-TU56-0)	TU56-0					
	e. Take Up Reel	12-9331					
	f. Head Cleaning Kit	TUC-01		A,C,D,B,J,K			
	g. Head Cable	74-5152-1		A,C,D,B,J,K			
	h. Jumper Module (Remove M531 and replace with G742 for PDP-11 add-ons and OEM's)	G742					
	i. Certified DECTape 12 Bit Format	74-5996		A,C,D,B,J,K			
	j. Certified DECTape 18 Bit Format	74-5996-1		A,C,D,B,J,K			
	k. AC line Cord 6'	91-7673-06		A,C,D,B,J,K			
	l. Mounting Hardware Bag	90-8851					
	m. Hook Up Wire	91-7710 and 90-8849		A,C,D,B,J,K			
	n. Gauge, Hub	74-08010-00					
	NOTE: Items k through m are for Rack Mountable Field Add-on Shipments.						
	NOTE: Supply Item i for PDP-5, 8 Family, and 12; Item j for PDP-1, 4, 6, 7, 9, 10, 11, and 15.						
	NOTE: When unit is to be connected to a TU55 or a relay driver control, refer to D-MU-TU56-0 for notes.						
	NOTE: When unit is to be installed on a tublar style cabinet, refer to A-PL-TU56-0-0 for notes.						



TU56-03

Figure 2. Front Panel Assembly

FIG & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN	USED ON CODE	VENDOR		REF FIG NO.
			TU56-00014		CODE	PART NO.	
2-	FRONT PANEL ASSEMBLY FRONT PANEL ASSEMBLY	70-06320-01 70-06320-02		B,E,G,J,K A,C,D,F,H			1 1
1	@Support, Lid	12-09600-00					
2	@Screw, Phi Hd Pan No. 6-32 x 5/16 Lg SST	90-06021-01					
3	@Washer, Flat	90-08146-00					
4	@Washer, Curved	90-08135-00					
5	*PANEL, OVERLAY (deleted)	74-07401-00					
	*PANEL, OVERLAY (added)	74-10968-00	00076				
6	*Grip, Ext	90-07785-00					
7	*Arm, Panel Support	12-09830-00	00015				
8	*Pin, Dowel 1/4 Dia x 1-1/4 Lg.	90-08130-00					
9	*Pin, Lock	74-07400-00					
10	*SWITCH CONTROL PANEL ASSEMBLY	70-06222-00					3
11	*Guard, Plate	74-08287-00	00035				
12	*Spacer	90-06793-00	00035				
13	*Screw, Phi Hd Pan No. 6-32 x 1/2 Lg. SST	90-06024-01	00035				
14	*Screw, Phi Hd Pan No. 6-32 x 3/8 Lg SST	90-06022-01					
15	*HUB ASSEMBLY-GPT CONTACT	74-07390-00					
	*HUB ASSEMBLY-GPT CONTACT- OBSOLETE	70-06322-00	00015				
	*HUB ASSEMBLY-6 POINT CONTACT	74-07390-00	00022				
16	**Screw, Set Hex Soc No. 10-32 x 1/4 SST	90-08215-00					
	**Screw, Set Hex Soc No. 10-24 x 1/4 SST	90-08382-00	00046				
17	*Spring, Compression	12-09917-00	00024				
18	*Bushing, Oil Impregnated	12-09926-00	00024				
19	*TAPE, GUIDE ASSY (L.H.)	74-07283-02					
20	*TAPE, GUIDE ASSY (R.H.)	74-07283-01					
21	*Cover Plate (L.H.)	74-07282-02					
22	*Cover Plate (R.H.)	74-07282-01					
23	*Wear Plate (L.H.)	74-05114-02					
24	*Wear Plate (R.H.)	74-05114-01					
25	*Rear Check, Tape Guide (R.H. & L.H.)	74-05136-00					
26	*Pin, Dowel 3/32 Dia. x 7/16 Lg	90-08443-00					
27	*Grip, Ring Ext (Obsolete)	90-08136-00	00066				
28	*Pin, Dowel 1/8 Dia. x 7/8 Lg	90-08131-00					
29	*Spring No. 649-119N	90-07104-00					
30	*Screw, Soc Hd Cap No. 6-32 x 5/8 Lg Blk Pass	90-06331-00					
31	*Screw, Soc Hd Cap No. 10-32 x 3/8 Lg SST	90-06345-00					
32	*Washer, Ext Tooth No. 10	90-07651-00					
33	*Cover Plate	74-08008-00					
34	*HEAD ASSEMBLY (NFR) (Incorrect Part No.)	12-09601-00					
	*HEAD ASSEMBLY (NFR)	12-09691-00	00051				
35	*Screw, Phi Hd Pan No. 4-40 x 5/8 Lg SST	90-06014-01					
36	*Washer, Int Tooth No. 4	90-06632-00					
37	*MOTOR, TORQUE	12-09602-00					
38	*Screw, Soc Hd Cap No. 10-24 x 1/2 Lg Blk Pass	90-06341-00					
39	*Washer, Ext Tooth No. 10	90-07651-00					
40	*Housing, Connector	12-09350-09					
41	*Pin, Connector	12-09379-00					

FIG & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN TU56-00014	USED ON CODE	VENDOR		REF FIG NO.
					CODE	PART NO.	
3-	CONTROL, PANEL SWITCH ASSEMBLY	70-06222-00					2
1	@Guard Plate	74-08287-00					
2	@Spacer	90-06793-00					
3	@Screw, Phl Hd Pan No. 6-32 x 1/2 Lg SST	90-06024-01					
4	*Cable, Ribbon 19 Connector	91-05692-01					
5	*CARD, M922	M-922					
6	*Switch, Control Panel	54-08500-00					
7	**Light	12-09637-00					
8	**Switch, WRITE/ENABLE	12-09612-00					
9	**Switch, Thumbwheel 8 position	12-09617-00					
10	**Switch, 3 Position (FWD/REV)	12-09613-00					
11	**Resistors 1.2K ohm, 1/4W, 10% C.C.	13-00386-00					
12	**Switch, 3 Position (LOCAL/OFF/REMOTE)	12-09614-00					
13	**Button, Rocker Switch Assy. (Obsolete)	54-08625-00					
	**Button, Rocker	12-09711-13					
	**Pin, Dowel	90-08842-00	00020				
14	**Spacer, No. 4-40 AL x 3/16 AF x 5/8 Lg	90-08833-00					
15	**Screw, Slotted Hd No. 4-40 x 1/4 Lg SST	90-06009-04					
16	**Washer, Int Tooth No. 4	90-06632-00					
17	**Resistor, 15 ohm, 1/4W, 10%	13-00180-00					
	**Resistor, 15 ohm, 1/4W, 10%	13-01421-00	5408500-00001				
18	**Diode No. D664	11-00114-00					
19	**Diode No. IN748 3.9V 10% 40 mw (added)	11-00121-00	5408500-00002				
20	**Resistor, 12K ohm, 1/4W, 10% (added)	13-00490-00	5408500-00001				
21	**Resistor, 3K ohm, 1/4W, 5%	13-00432-00					
22	**Resistor, 2K ohm, 1/4W, 5% (added)	13-02388-00	5408500-00001				
23	**Transistor, MPS 6531 (added)	15-09338-00	5408500-00001				

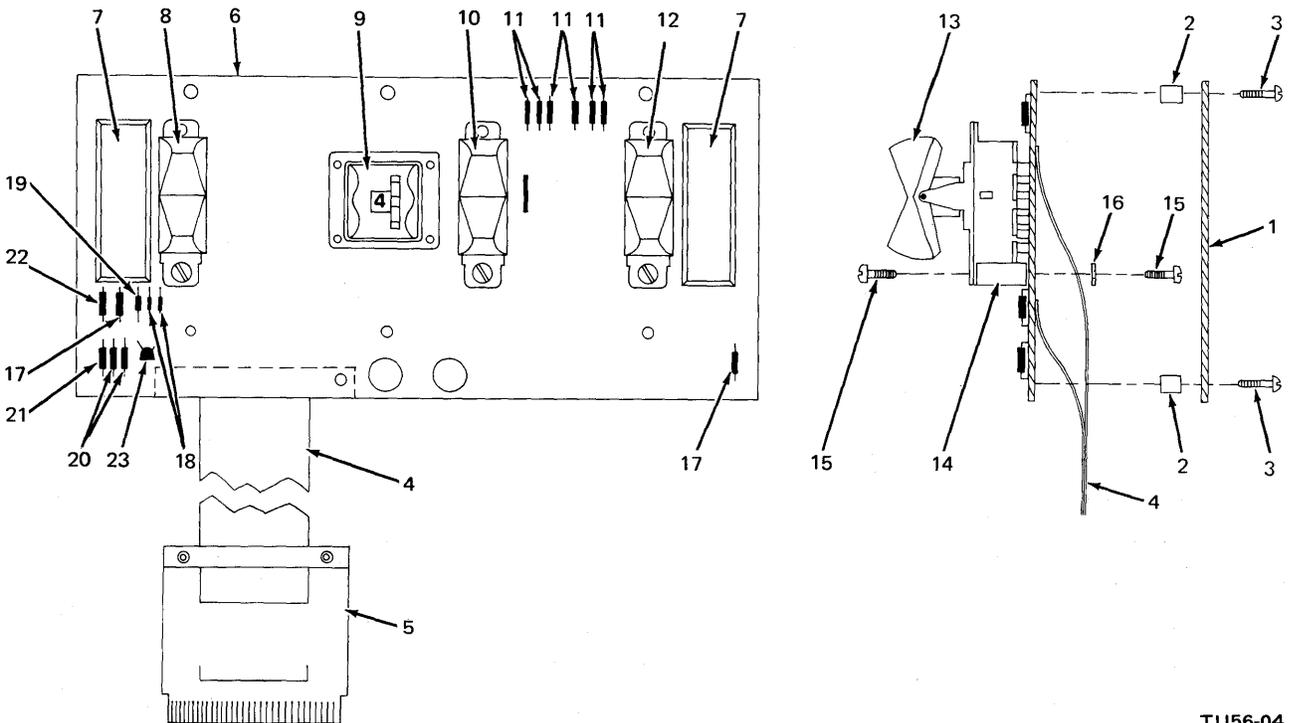
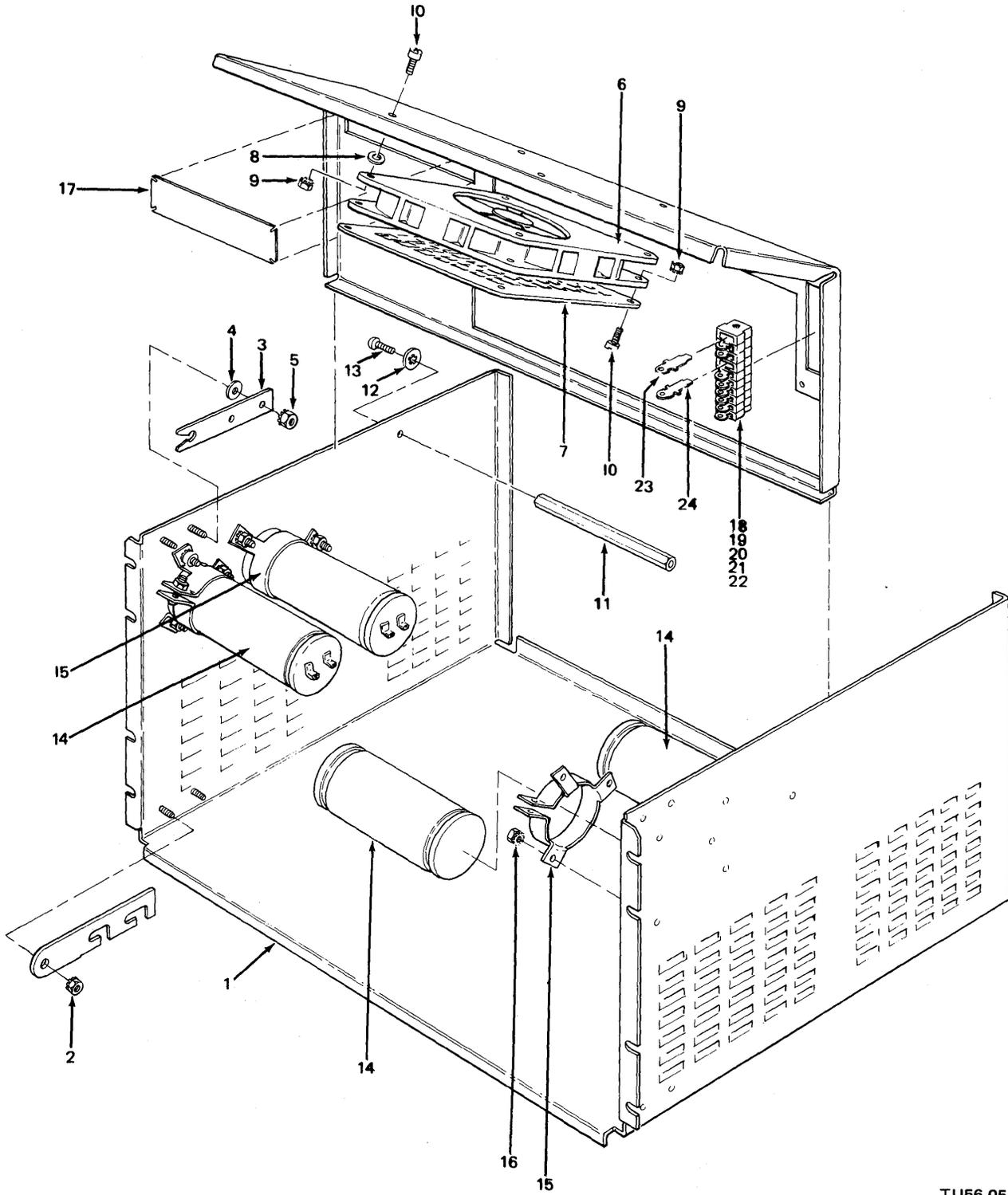


Figure 3. Front Panel Switch Assembly

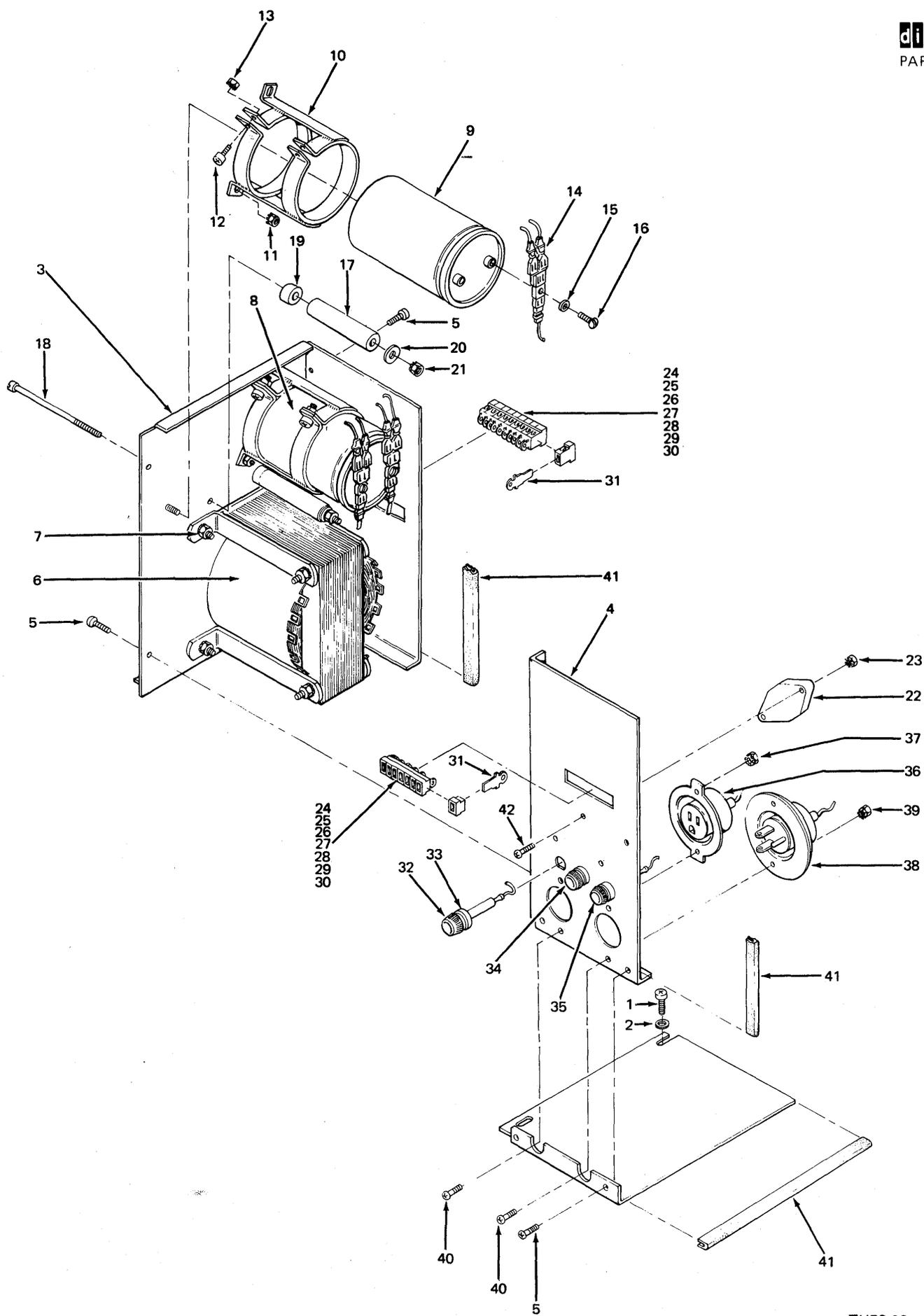
TU56-04



TU56-05

Figure 4. Chassis Assembly

FIG & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN TU56-00014	USED ON CODE	VENDOR		REF FIG NO.
					CODE	PART NO.	
4-	CHASSIS ASSEMBLY	70-06319-01		B,E,G,J,K			1
	CHASSIS ASSEMBLY	70-06319-02		A,C,D,F,H			1
1	*Chassis	74-07391-00					
2	*Nut, Keps No. 1/4-20	90-07880-00					
3	*PANEL LOCK	74-07399-00					
4	*Washer, Flat No. .630 X .231 X .048	90-08146-00					
	THK SST						
5	*Nut, Keps No. 1/4-20	90-07391-00					
6	*BOXER FAN ASSEMBLY No. WS2107FL	12-05033-01					
7	*Screen, Fan	74-04881-00					
8	*Spacer, No. 6 AL X 1/4 AF X 1/8 Lg (Deleted: ECO TU56-00029)	90-06794-00	00016				
	*Nut, Tinnerman Speed No. C1000-632-4 (Round Type)	90-08862-00	00016				
9	*Nut, Keps No. 6-32	90-06560-00					
10	*Screw, Phl Hd Pan No. 6-32 X 1/2 Lg SST	90-06024-01					
11	*Spacer, (3/8 AF X 4-3/4 Lg X 6-32 Thd.)	90-06882-00	00016				
12	*Washer, Lock Int Tooth No. 6	90-06633-00	00016				
13	*Screw, Truss Hd No. 6-32 X 3/8 Lg	90-06022-03	00016				
14	*CAPACITOR, 100 MFD, 55V, 60 cycle	10-09697-00					
15	*Mounting Bracket	12-09242-00					
16	*Nut, Keps No. 8-32	90-06563-00					
17	*Grommet, Plastic Guide	90-07935-00					
18	*Junction, Terminal Bush (BLK) (Deleted)	90-07237-00	00050				
19	*Junction, Terminal Bush (YEL) (Deleted)	90-07233-00	00050				
20	*Junction, Terminal Bush (BLU) (Deleted)	90-07232-00	00050				
21	*Junction, Terminal Bush (ORN) (Deleted)	90-07234-00	00050				
22	*Junction, Terminal Bush (GRN) (Deleted)	90-07236-00	00050				
23	*Terminal No. T-202-D (Deleted)	90-07239-00	00050				
24	*Terminal No. T-202-S (Deleted)	90-07238-00	00050				



TU56-06

Figure 5. H725 Power Supply

FIG & ITEM NO.	DESCRIPTION	DEC PART NO.	ECO CUT-IN H725- 00001	USED ON CODE	VENDOR		REF FIG NO.
					CODE	PART NO.	
5-	MODEL H725 POWER SUPPLY ASSEMBLY	725-0-0					
1	@Screw, Phi Hd Pan No. 6-32 x 5/16 Lg SST	90-06021-01					
2	@Washer, Ext Tooth No. 6	90-07651-00					
3	*Chassis, Power Supply	53-08506-00					
4	*Panel, Power Supply	53-08605-00					
5	*Screw, Phi Hd Pan No. 6-32 x 1/2 Lg SST	90-06024-01					
6	*Transformer, Power No. T-7959B	16-09683-00					
	*Transformer, Power No. T-7959C - (Added Tabs 1A and 4A to Transformer)	16-09683-01	00007				
7	*Nut, Keps No. 10-32 SSst	90-06565-00					
8	*Capacitor, 11,000 μ F, 50V, 36D Series	10-09189-00					
9	*Capacitor, 35,000 μ F, 25V, 36D Series	10-00098-00	00005				
10	*Bracket, Capacitor Mounting	01-558-00					
11	*Nut, Keps No. 8-32 SSst	90-06563-00					
12	*Screw, Phi Hd Pan No. 6-32 x 1/2 SSst	90-06024-00					
13	*Nut, Keps No. 6-32 SSst	90-06560-00					
14	*Disconnect, Quick No. 61349 Amp Inc.	90-07619-00					
15	*Washer, Lock Int. No. 10	90-06635-00					
16	*Screw, Slot Hd Bind No. 10-32 x 5/16 Lg SSst	90-06070-04					
17	*Resistor, Fixed No. 25F100, 25W, 100 ohm W.L.	13-02588-00					
18	*Screw, Phi Hd Pan No. 6-32 x 3 inch Lg SSst	90-08003-01					
19	*Spacer, No. 10-32 x 1/2 Lg x 1/2 OD	90-06831-00					
20	*Washer, Centering	90-06674-00					
21	*Nut, Keps No. 6-32 SSst	90-06560-00					
22	*Bridge, Rectifier DMI	11-02933-00					
23	*Nut, Keps No. 6-32 SSst	90-06560-00					
24	*Terminal, Bush Junction (WHT)	90-07235-00					
25	*Terminal, Bush Junction (BLK)	90-07237-00					
26	*Terminal, Bush Junction (BLU)	90-07232-00					
27	*Terminal, Bush Junction (YEL)	90-07233-00					
28	*Terminal, Bush Junction (RED)	90-07231-00					
29	*Terminal, Bush Junction (GRN)	90-07236-00					
30	*Terminal, Bush Junction (ORN)	90-07234-00					
31	*Tab, Solder No. T-202-S	90-07238-00					
32	*Holder, Fuse 15 Amps HKP	90-07242-00					
33	*Fuse, 6 amps No. AGC6 FAST BLO	12-09361-00					
34	*Fuse, 5 amp 125V No. MDX5 BUSS	90-07221-00					
35	*Fuse, 3 amp 125V (For 125V)	90-07218-00					
	*Fuse, 1.5 amp, SLO-BLO (250V) (added)	90-07213-00	00010				
36	*Receptacle, No. 160-4 Amphenol (For 125V)	12-01251-00					
	*Receptacle, (For 250V) (added)	12-01251-01	00011				
37	*Nut, Keps No. 6-32 SSst	90-06560-00					
38	*Plug No. 160-5 Amphenol (deleted)	12-01252-00					
	*Plug (For 125V) (added)	90-08854-00					
	*Plug (For 250V) (added)	12-09983-00	00011				
39	*Nut, Keps No. 6-32 SSst	90-06560-00					
40	*Screw, Phi Hd Pan No. 6-32 x 3/8 Lg SSst	90-06022-01					
41	*Seal, Weather Strip No. X-1048	90-07966-00					

**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 _____

PUBLICATION NO. _____

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

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

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

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

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

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

ADDITIONAL COMMENT(S)

Name _____

Cost Center _____

date: _____

Fold Here

Do Not Tear - Fold Here and Staple

FIRST CLASS
PERMIT NO. 33
MAYNARD, MASS.

BUSINESS REPLY MAIL
NO POSTAGE STAMP NECESSARY IF MAILED IN THE UNITED STATES

Postage will be paid by:

Digital Equipment Corporation
Technical Documentation Department
146 Main Street
Maynard, Massachusetts 01754

