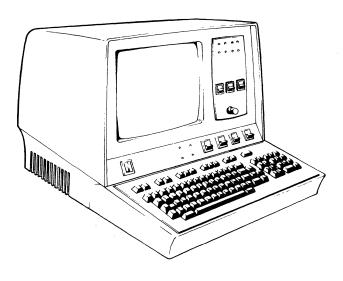
GDCONTROL DATA CORPORATION

CONTROL DATA® 751-10 TERMINAL SUBSYSTEM



VOLUME 1 OF 2
General Description
Operation
Theory of Operation
Diagrams
Parts Data
Spare Parts Data
Appendix

HARDWARE MAINTENANCE MANUAL



REVISION RECORD

New features, as well as changes, deletions, and additions to information in this manual are indicated by bars in the margins or by a dot near the page number if the entire page is affected. A bar by the page number indicates pagination rather than content has changed.

REVISION	DESCRIPTION
Α	Final release. Reflects class A release engineering documentation. Includes
(07-27-76)	ECO's: 10733, 10741, 10756, 10795, 10832, 10836, 10841, 10849, 10879,
	10880, 10893, 10895, 10907, 10908, 10913, 10925, 10935, 10952, 10971,
·	10972, 10973, 10986, 10996, 11000, 11002, 11007, 11023, 11040, 11074,
	11143, 11150, 11165, 11195, 11206, 11223, 11226, 11250, 11277, 11281,
	11302, 11311, 11323, 11419, 11450, 11541, and 11567.
В	Updated to include ECOs 11506, 11547, 11602, 11603, 11604, 11629, 11637,
(09-26-77)	11639, 11673, 11747, 11767, 11771, 11772, 11790, 11854, 11923, 11946,
	12018, 12081, 12107, 12123, 12153, 12225, 12295, 12309, and 12351.
С	Manual changed to include ECO 12492, interface adapter cabling information,
(12-08-77)	and correction changes to cover and manual text.
D	Interim change package added as three separate appendixes to include
(06-30-78)	installation, checkout, and maintenance information for the 70-LPM
	Impact Printer. Volume 1 contains appendix D; Volume 2 contains E and F.
E	Interim change - revises manual to incorporate Engineering Change Orders as
(08-21-78)	follows; 12495, 12559, 12643, 12687, 12701, 12714, 12745, 12855, and
	12827.
F	Manual changed to include ECOs 11724, 12225A, 12385, 12624, 12629,
(03-19- <i>7</i> 9)	12995, and 13037. Service Bulletins incorporated are SB3664, SB3799,
	SB3822, and SB3935.
G	Manual revised to incorporate ECO 13322 and Memorandum.
(05-30-79)	
	·
Publication No.	01989
62962300	Address comments concerning this

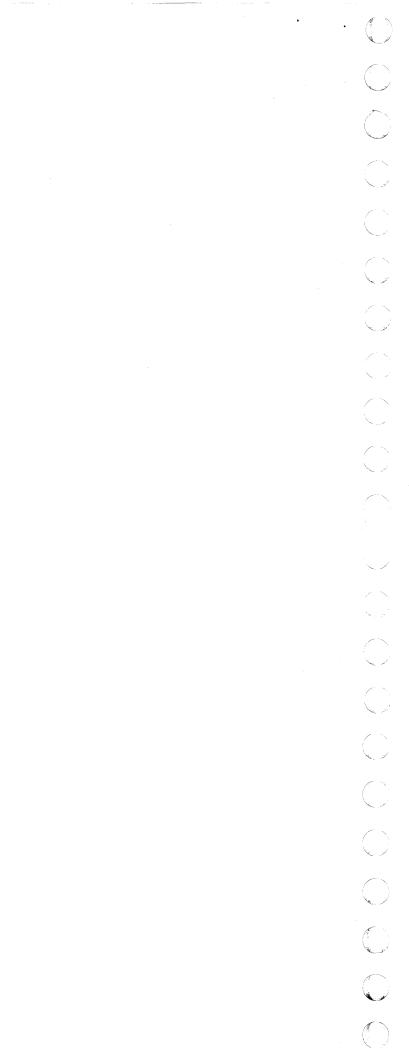
REVISION LETTERS I, O, Q AND X ARE NOT USED

© 1976, 1977, 1978, 1979 by Control Data Corporation Printed in the United States of America Address comments concerning this manual to:

Control Data Corporation
Technical Publications Department
2401 North Fairview Avenue
St. Paul, Minnesota 55113

or use Comment Sheet in the back of this manual.

Volume 1



This manual reflects the equipment configurations listed below.

EXPLANATION: Locate the equipment type and series number, as shown on the equipment FCO log, in the list below.

Immediately to the right of the series number is an FCO number. If that number and all of the numbers underneath it match all of the numbers on the equipment FCO log, then this manual accurately reflects the equipment.

EQUIPMENT TYPE	SERIES	WITH FCO'S	COMMENTS
CC614-A	01 02 03 04 05	11629 11639 — —	11639 (ECO only) 11747 (ECO only)
CC614-B	01 02 03 04 05 06	11629 11637 — — —	11639 (ECO only) 11747 (ECO only) 12687 (ECO only)
CC614-C	01 02 03 04 05 06	11629 11637 — — —	11639 (ECO only) 11747 (ECO only) 12687 (ECO only)
CC614-D	01 02		12687 (ECO only)
CC614-E	01		

EQUIPMENT TYPE	SERIES	WITH FCO'S	COMMENTS
CC614-C	52	11765	CC6B1-A52 equipments were converted to the CC614-C52 equipment type per FCO 11765 (selective retrofit)
CC614-C	53	11765	CC6B1-A53 equipments were converted to the CC614-C53 equipment type per FCO 11765 (selective retrofit)
CC614-C	54	11765	CC6B1-A54 equipments were converted to the CC614-C54 equipment type per FCO 11765 (selective retrofit)
CC614-C	55	11765	CC6B1-A55 equipments were converted to the CC614-C55 equipment type per FCO 11765 (selective retrofit)
CC614-C	56	11765	CC6B1-A56 equipments were converted to the CC614-C56 equipment type per FCO 11765 (selective retrofit)
CC614-C	58	11765	CC6B1-A58 equipments were converted to the CC614-C58 equipment type per FCO 11765 (selective retrofit)
CC614-C	59	11765	CC6B1-A09 equipments were converted to the CC614-C59 equipment type per FCO 11765 (selective retrofit)
	NOTE		
Serial numbers of equinecessary information configuration materia of FCO 11765.	documen	ing the above	

EQUIPMENT TYPE	SERIES	WITH FCO'S	COMMENTS
BE603-A	01	-	
BE603-B (unit licensed by FTZ as meeting VDE Standard 0871)	01	-	
BE603-C	01	-	
BE603–D (unit licensed by FTZ as meeting VDE Standard 0871)	01	-	
BE604-E	01		
BE604-F	01		
CL416-E	-	-	Supplied by Computer Peripherals Inc., Rochester Division. See their manuals, identified in Preface, for series and FCO information.
CL416-F	-	-	Supplied by Computer Peripherals Inc., Rochester Division. See their manuals, identified in Preface, for series and FCO information.
XA150-A	01	-	

EQUIPMENT TYPE	SERIES	WITH FCO'S	COMMENTS
XA151-A	01 02 03 04	11604 11771 12302	
XA152-A	01 02	11790	
XA153-A	01	-	
XA154-A	01 02	12064	
XA170-A	01 02 03	11 <i>77</i> 2 12081	
XA174-A	01 02	11889	
XA180-A	01	_	
XA195-A	01	-	
		·	

EQUIPMENT TYPE	SERIES	WITH FCO'S	COMMENTS
CI114-A	01 02	12225 —	
CL114-B (unit licensed by FTZ as meeting VDE standard 0871)	01 02	12225	1
CL114-C (unit licensed by FTZ as meeting VDE standard 0871)	01 02	_	12225 (ECO only)
		·	
			01987-

LIST OF EFFECTIVE PAGES

New features, as well as changes, deletions, and additions to information in this manual are indicated by bars in the margins or by a dot near the page number if the entire page is affected. A bar by the page number indicates pagination rather than content has changed.

PAGE	REV
Front Cover Volume 1	-
Title Page	_
Updates (deleted)	-
v/vi	G
vii	Е
viii	G
ix	G
x thru xiii	G
xv thru xvi (deleted	G
xvii	D
xviii thru xx	С
xxi/xxii	F
xxiii/xxiv	С
xxv	F
xxvi	D
xxvii thru xxix	С
1-1/1-2	Α
1-3/1-4	С
1-5/1-6	Α
1 - 7 thru 1-9	F
1-10	С
1-11	Α
1-12	С
1-13 thru 1-18	Α
1-19	С

PAGE	REV
1-20	А
2-1	A
4-1	A
4-2	С
4-3	Α
4–4	С
4–5 thru 4–7	Α
4-8	В
4-9/4-10	A
4-11	В
4-12 thru 4-14	A
4-1 5	С
4-16/4-17	Α
4-18	С
4-18.1	С
4-18.2	С
4-18.3/4-18.4	С
4-19 thru 4-24	A
4-25/4-26	F
4–27 thru 4–29	A
4-30	В
4-31 thru 4-35	A
5-1	В
5-2	A
5 - 3	С

PAGE	REV
5-4/5-5	Α
5-6/5-7	В
5-8/5-9	С
5-10/5-11	F
5-12	Е
5-13 thru 5-18	В
7-1/7-2	В
7-3 thru 7-32	Ε
7–33 thru 7–69	В
7-70/7-71	F
7–72 thru <i>7–7</i> 9	В
7-80 thru <i>7</i> -82	Ε
7-83/7-84	В
7–85 thru 7–87	E
7–88 thru 7–91	В
7-92	F
7-92.1	F
7-92.2	F
7–93 thru 7–96	В
7-96.1	F
7-96.2	F
7-96.3/7-96.4	F
7-97 thru 7-102	В
7-103	Α
7-104 thru 7-117	В

LIST OF EFFECTIVE PAGES (CONTD)

PAGE	REV
7-118/7-119	Е
7-120 thru 7-128	В
7-129 thru 7-134	E
7-135 thru 7-156	В
7-157 thru 7-162	F
7-163/7-164	В
<i>7</i> -165/7-166	F
7-167 thru 7-198	В
7-199 thru 7-220	С
8-1 thru 8-6	F
8-7/8-8	E
8-9/8-10	F
8-11/8-12	G
8-13 thru 8-23	В
A-1/A-2	A
B-1 thru B-10	A
B-11	С
C-1/C-2	С
C-3	Α
C-4 thru C-6	С
C-7 thru C-17	A
D-1 thru D-7	D
Comment Sheet	G
Mailer	_
Back Cover	_

D. C. C.	BEW.
PAGE	REV
e e e e e e e e e e e e e e e e e e e	
	,
·	
	,
	1.
,	
	1
·	

	PA	GE	REV
			•
			,
·			

PREFACE

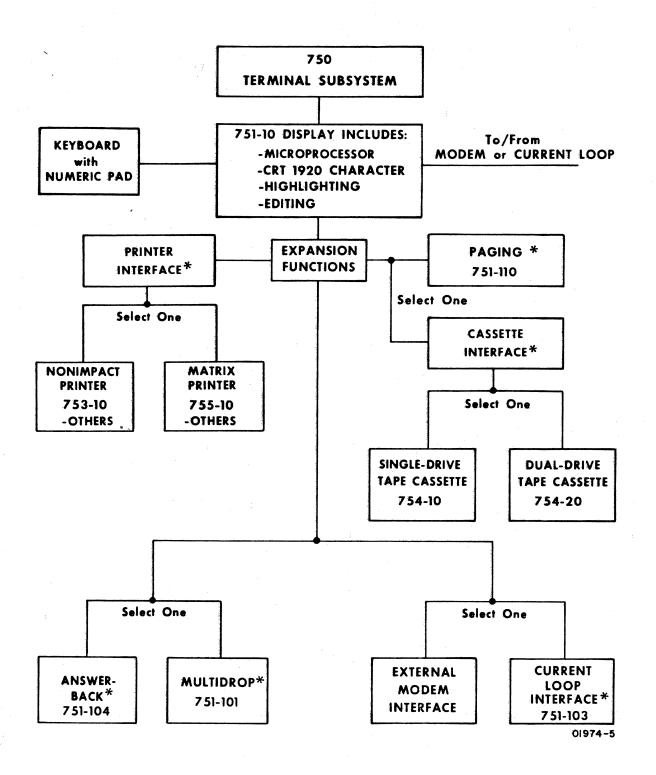
This two-volume manual assists those performing on-site maintenance of the CDC 751-10 Terminal Subsystem (referred to in this manual as the terminal subsystem, **or simply the terminal).*** The terminal is a remote data-communications subsystem that handles online data at speeds of 110 to 9600 baud over a standard CCITT V.24 or EIA RS-232-C modem (or current loop interface). The terminal operates in duplex or half-duplex communications networks. The terminal subsystem is expandable to meet various customer requirements. As such, it may exist in any one of the following configurations: 1) a stand-alone keyboard display terminal, 2) a keyboard display terminal with a peripheral character printer, 3) a keyboard display terminal with a peripheral tape cassette unit, or 4) a keyboard display terminal with both a peripheral character printer and a peripheral tape cassette unit. In addition to these various peripheral cabinet configurations, the basic keyboard display terminal cabinet will accept a variety of supplemental circuit boards, each which increases the operating and/or interface capability of the terminal. Some of the documentation for the terminal subsystem refers to any function or equipment beyond the very minimum required to have a viable terminal as an option. The term option is not meant to imply that the item referred to is a high-cost, special-effort, add-in feature. In fact, the full modularity of the architecture employed in this subsystem allows a shopping-list approach to configuring an applications-oriented subsystem. For any given subsystem, several so-called options may be included as part of the basic configuration.

This manual may be used to repair all configurations of the terminal in the field without special tools or test equipment (a voltmeter/ohmmeter is required). Volume 1 of this manual contains general descriptions, theory, diagrams, parts, and miscellaneous information including I/O definition, test patterns, data repertoires, and precautions. Volume 2 provides installation, checkout, and detailed maintenance information for the terminal subsystem. The level of maintenance herein is restricted to the card, module, and assembly level (with some modifications as deemed necessary for best overall maintenance). Certain large components, such as the cathode-ray tube and high-voltage transformer, are replaceable, but smaller circuit components on printed-circuit boards are not.

The following block diagram shows the configuration of the terminal subsystem including the various expansion functions. For additional information pertaining to equipment in the configuration, refer to the list of manuals which follows the block diagram.

62962300 D

^{*} Information is provided for installation, checkout, and maintenance of the 70-LPM Impact Printer. Appendix D (Vol. 1 of this manual) contains general description and specification information. Appendix E (Vol. 2) has installation-checkout and maintenance procedures for the 70-LPM Printer. Appendix F has information about printer supplies and format tape punching.



*DENOTES EXPANSION FUNCTION IN THE FORM OF A CIRCUIT CARD WHICH FITS INSIDE THE 751-10 CABINET. OTHER EXPANSION FUNCTIONS, IN THE FORM OF PERIPHERALS, HAVE THEIR OWN CABINET, E.G., PRINTER OR TAPE CASSETTE UNIT.

A 751-10, WHICH MAY CONTAIN INTERNAL CARD EXPANSION FUNCTIONS BUT IS WITHOUT ANY PERIPHERAL, IS DESIGNATED AS A 751-10 STAND-ALONE TERMINAL SUBSYSTEM.

GENERAL SUBSYSTEM MANUALS

Manuals in this category describe terminals which are subsystems in a larger system. Such systems typically include a higher-level processor connected to a large number of subsystems by telephone communications lines. Subsystem manuals describe how the terminal communicates with the larger system and also how an operator uses the subsystem to perform tasks at the site and communicate information to the higher-level processor. On-site maintenance, which is the subject of this manual, is also described at the subsystem level.

Excluding this manual, the following list provides publication numbers of other subsystem manuals pertaining to the 751–10 Terminal Subsystem:

<u>Title</u>	Publication Number
CONTROL DATA® 751-10 Terminal Subsystem Operators Guide (describes subsystem operation of the terminal in all modes, whether performing tasks locally or communicating online with processor)	62951400
CONTROL DATA® 751-10 Terminal Subsystem Reference Manual (describes message formats related to message handling and communications line protocol and also defines all control codes used to communicate with the subsystem)	62962800
CONTROL DATA® 751-10 Terminal Subsystem Installation Instructions (provides information for customer installation of a terminal subsystem)	62957200

COMPONENT AND EQUIPMENT MANUALS

For further detail, other manuals describe the various equipment and components which may comprise a 751–10 Terminal Subsystem. These manuals contain detailed theory of operation and circuit analysis for repairing down to the discrete component level (such as may be done at a repair center). The following list identifies such maintenance manuals:

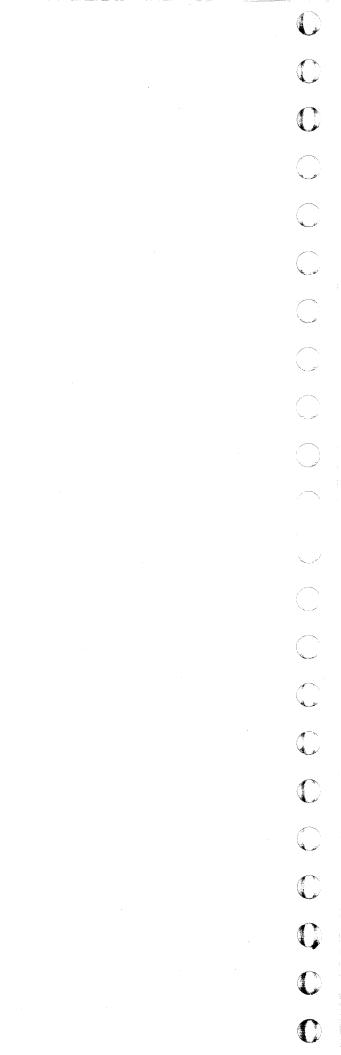
<u>Title</u>	Publication Number
CONTROL DATA® Basic Logic Module Subassemblies Hardware Maintenance Manual	62961700
CONTROL DATA® Keyboard Module Hardware Maintenance Manual	62961500

Volume 1

<u>Title</u>	Publication Number
CONTROL DATA® Bulk Power Supply Card Hardware Maintenance Manual	62961600
CONTROL DATA® Video Display Unit Hardware Maintenance Manual	62961800
CONTROL DATA® Random-Access Extended-Memory Option Repair Center Maintenance Manual	62961900
CONTROL DATA® Receive—Only Printer Adapter Hardware Maintenance Manual	62962000
CONTROL DATA® Edit Hardware Maintenance Manual	62962400
CONTROL DATA® Tape Cassette Adapter Logic Hardware Maintenance Manual	62950700
CONTROL DATA® Tape Cassette Mechanism Hardware Maintenance Manual	62950800
CONTROL DATA® Power Supply Repair Center Customer Engineering Manual (Detailed theory for repairing tape cassette unit power supply)	82186100
CONTROL DATA® Tape Cassette Cabinet Hardware Maintenance Manual (A repair center maintenance manual which describes the cabinet housing for the tape cassette, including its specifications and tape	10051000
cassette logic)	62951000
CONTROL DATA® Multidrop Option Hardware Maintenance Manual	62962600
CONTROL DATA® Answerback Option Hardware Maintenance Manual	62962700
CONTROL DATA® Current Loop Hardware Maintenance Manual	62962100

<u>Title</u>	Publication Number
CONTROL DATA® Highlighting Hardware Maintenance Manual	62956100
CONTROL DATA® Nonimpact Printer Hardware Maintenance Manual	62952500
CONTROL DATA® Matrix Printer Operator Handbook	76670900
CONTROL DATA® Matrix Printer Reference and Field Service Manual	95390800
CDC® 70-LPM Impact Printer Reference and Field Service Manual	95445026
CONTROL DATA® Matrix Printer Family Spare Parts List	95366300
CDC® 70-LPM Impact Printer Parts Identification Manual	95445025
CONTROL DATA® Matrix Printer Parts Identification Manual	76671100
These manuals may be ordered from:	

Control Data Corporation Literature and Distribution Services 304 North Dale Street St. Paul, Minnesota 55103



CONTENTS

Section		Page
1 —	GENERAL DESCRIPTION	
	Subsystem Definition Equipment General Descriptions Keyboard Display Terminal Detachable Keyboard Television Monitor Logic Module Power Supply Nonimpact Character Printer Print Mechanism Interface and Control Logic Cards Power Supply Impact Character Printer Print Mechanism Interface and Control Logic Chassis Power Supply Tape Character Printer Print Mechanism Interface and Control Logic Chassis Power Supply Tape Cassette Unit Tape Drive(s) Logic Chassis Power Supply Specifications Subsystem Environmental Specifications Keyboard Display Physical and Electrical Specifications Physical Electrical Nonimpact Printer Physical and Electrical	1-1 1-4 1-4 1-5 1-6 1-8 1-8 1-9 1-10 1-10 1-11 1-12 1-13 1-14 1-15 1-15 1-15 1-15
	Specifications	1-18 1-18 1-18
	Impact Printer Physical and Electrical Specifications Physical Electrical Tape Cassette Unit Physical and Electrical Specifications Physical Electrical	1-19 1-19 1-19 1-20 1-20 1-20
2 —	OPERATION	2-1
		_

Section		Page
4 —	THEORY OF OPERATION	
	Terminal Subsystem Communications Cabinet-Level Operating Theory Keyboard Display Terminal Nonimpact Character Printer Impact Character Printer Tape Cassette Unit Modular-Level Functional Theory Keyboard Display Terminal Detachable Keyboard Video Monitor	4-1 4-2 4-2 4-4 4-4 4-4 4-5 4-5 4-7
	Cathode-Ray Tube (CRT) High-Voltage Transformer Video Printed-Circuit Board Vertical Choke Yoke Assembly	4-8 4-8 4-8 4-9 4-9
	+15-Volt Regulator Assembly Logic Module Assembly Processor Board Memory Board Refresh Board +5-V dc Regulator Board (Master or Slave) Extended Display Memory Board	4-9 4-9 4-11 4-11 4-11
	Highlight Board	4-12 4-12 4-13 4-13
	Current Loop Back Printer Interface Control Board Tape Cassette Unit Interface Control Board Paging Board Logic Module/Modem Interface Adapters Power Supply Bulk Power Supply Board AC Entry Transformer AC Entry Panel +5–V dc Regulator Board Miscellaneous Components Nonimpact Printer	4-14 4-15 4-16 4-17 4-18 4-18 4-19 4-19 4-19 4-19 4-19 4-19
	Impact Printer Tape Cassette Unit	4-25 4-25

Section		<u>Page</u>
5 —	DIAGRAMS	
	AC Power Distribution Diagram 60 Hz AC Power Distribution Diagram 50 Hz Signal Distribution Diagram Schematic Diagram, Video Display Electronics (5BVD-1) Schematic Diagram, Video Display Electronics	.5-5 .5-6
	Non Composite Video (6BND-0) Schematic Diagram 4DWD (PS Filter and -9V Reg) Schematic Diagram 4BBD (+5 Volts @ 10 A) Signal Distribution DC Power Distribution AC Power Distribution 60 Cycle AC Power Distribution 50 Cycle	.5-12 .5-13 .5-14 .5-16 .5-17
7 —	PARTS DATA	
	Genealogy Chart Stand Alone Display Terminal (CC614C). Genealogy Chart Standard Display Terminal (CC614D) Genealogy Chart Standard Display Terminal (CC614E) LIAT Display Terminal LIAT Display Terminal STD Display Terminal STD (CC614D) Display Terminal STD (CC614E) Indicator Panel Assembly Intensity Control Cable Assembly Switch Panel Assembly Switch Panel L.E.D. Assembly Cable Assy LED A.C. Entry Assembly 50 Hz A.C. Entry Assembly Non-Composite (61370900) Video Display Assembly Non-Composite (61370902) Video Display Assembly Non-Composite (61370905) +15 Volt Regulator Assy (61376300) Regulator Assy (+ 15 Volts) (61407441) Regulator Assy (51407540) CRT Socket Assy (61407856) CRT Ground Clip Assy High Voltage Transformer Assy (61408075) Logic Chassis Assembly (61371200)	.7-4 .7-5 .7-6 .7-7 .7-14 .7-21 .7-27 .7-33 .7-36 .7-38 .7-40 .7-42 .7-44 .7-49 .7-57 .7-62 .7-67 .7-67 .7-70 .7-72 .7-76 .7-70 .7-72 .7-76 .7-80 .7-80 .7-92 .7-92 .7-92

Section	on_		Page
		Logic Chassis Assembly (61401000) Logic Chassis Assembly (61401001) Keyboard Assembly 95 Key Cable Assy Keyboard External (CC614/CC6B1) Cable Assembly Keyboard (Internal) (CC614/CC6B1) Cable Assembly Keyboard (Internal) (CC6B1A) Keyboard Assembly 95 Key (Shielded) Cable Assy Front Cable Assy D.C. Power (CC164/CC6B1) Cable Assy D.C. Power) (CC6B1A) Cable Assy Pwr On (CC614/CC6B1) Cable Assy Pwr On (CC614/CC6B1) Cable Assy Data Set (CC6B1A,B) Genealogy Chart LIAT Tape Cassette Assy Cassette Logic Chassis Assembly (61407590) Cassette Logic Chassis Assembly (61396800) Cable Assy J/O (W1) Cable Assy AC Pwr Sply (W2) Cable Assy Dual Tape Drive (W3) Cable Assy Dual Tape Drive (W3) Cable Assy Single Tape Drive (W6) Cable Assy Single Ind & SW (W7) Adapter Matrix (Optional Cable Chart) Adapter Cable Assembly (61407806) Adapter Cable Assembly (61407809) Adapter Cable Assembly (61407809) Adapter Cable Assembly (61407810) Adapter Cable Assembly (61407811) Adapter Cable Assembly (61407811) Adapter Cable Assembly (61407811) Adapter Cable Assembly (61407811)	. 7-116 . 7-118 . 7-120 . 7-124 . 7-128 . 7-131 . 7-136 . 7-141 . 7-144 . 7-146 . 7-152 . 7-157 . 7-158 . 7-159 . 7-172 . 7-180 . 7-180 . 7-184 . 7-186 . 7-188 . 7-192 . 7-198 . 7-198 . 7-201 . 7-201 . 7-201 . 7-201 . 7-213 . 7-216
8		SPARE PARTS LIST	8-1
		APPENDIXES	
À		Communications Cable Pin Assignments	, A-1
В		Visual Communication Repertoires	B-1
С		Miscellaneous General Precautions and Information	, C-1
D	BASSA MARIANA	70-LPM Impact Printer General Description and Specifications	D-1

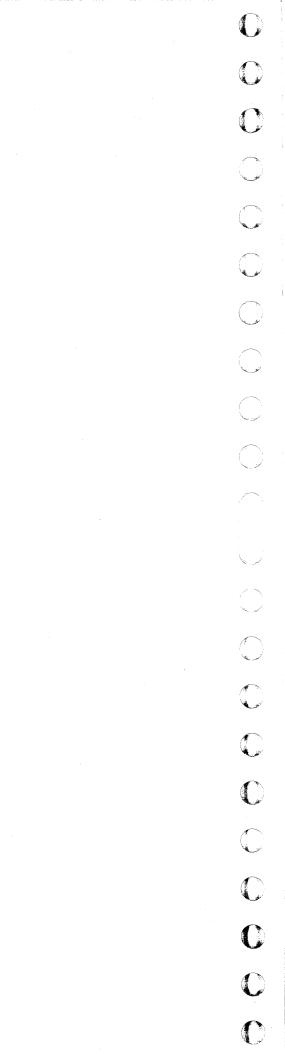
FIGURES

Section	Figure		Page
1 —	GENERAI	DESCRIPTION	
	1-1 1-2 1-3 1-4 1-5 1-6 1-7 1-8 1-9 1-10 1-11 1-12 1-13 1-14	Terminal Subsystem Cabinet Configurations Terminal Subsystem Functional Schematic Keyboard Display Terminal Keyboard Logic Module Nonimpact Character Printer Nonimpact Printer Components Impact Character Printer Impact Printer Components Tape Cassette Unit Tape Cassette Unit Components Keyboard Display Dimensions Nonimpact Printer Dimensions Impact Printer Dimensions Impact Printer Dimensions	1-1 1-2 1-4 1-5 1-7 1-8 1-9 1-10 1-12 1-13 1-14 1-16 1-18 1-19 1-20
4 —	THEORY	OF OPERATION	
	4-1 4-2 4-3 4-4 4-5 4-5.1	Detachable Keyboard (Exploded View) Video Monitor Components Logic Module Assembly/Card Rack Subsystem Peripheral Interface Illustration of Paging Theory Interface Connection Routing of Back-to-Back	4-6 4-7 4-10 4-16 4-17
	4-6 4-7 4-8 4-9 4-10	Adapter Cables	4-18.3 4-18.3 4-21 4-21 4-22 4-23
	4-11 4-12	Nonimpact Printer Line Feed Operation Timing Nonimpact Printer Carriage Return Operation Timing	4-24 4-25
	4-13 4-14	Tape Cassette Unit Block Diagram	4-27 4-28

Section	on	Figure	<u>. </u>	<u>Page</u>
5		DIAG	RAMS	
		5-1 5-2	Display Terminal Cabling Decal	5-2 5-3
В	**************************************	VISUA	AL COMMUNICATION REPERTOIRES	
		B-1 B-2 B-3 B-4	Control Code Symbols Display Alphanumeric Repertoire Nonimpact Printer Character Repertoire Impact Printer Standard 64-Character ASCII	B-9
С			ELLANEOUS GENERAL PRECAUTIONS AND ORMATION	
v.		C-1 C-2 C-3 C-4	Subsystem Test Mode Nonimpact Printer Output Subsystem Test Mode Impact Printer Output Impact Printer Test Print Pattern Tape Unit Test Pattern (Recommended)	C-3 C-4 C-6 C-8

TABLES

Section	on_	Table		Page
1		GENE	RAL DESCRIPTION	
		1-1	Keyboard Display Basic and Supplement +5-V Requirements	1-17
4		THEOF	RY OF OPERATION	
		4-1	Logic Module Memory Addressing Structure	4-3
7		PARTS	DATA	
		<i>7</i> –1	Definition of Terms Used in Parts Lists	7-1
Α		COWV	MUNICATIONS CABLE PIN ASSIGNMENTS	
		A-1 A-2	Communications Line Signals	A-1 A-2
В		VISUA	L COMMUNICATIONS REPERTOIRES	
		B-1	Control Function Repertoire	B-2
С			ELLANEOUS GENERAL PRECAUTIONS AND ORMATION	
		C-1	Decimal-Hexadecimal and Octal-Hexadecimal Conversion	C-10



This section identifies and defines the general composition of the terminal subsystem. This section begins with a brief description of the overall subsystem including configurations, purpose, capability, and features. The remainder of the section describes each equipment which may be used as part of the terminal subsystem. Specifications for each equipment which may be present in a subsystem appear in the last portion of this section.

SUBSYSTEM DEFINITION

The terminal subsystem consists of a keyboard display terminal and supporting peripheral equipment which may include either a nonimpact character printer or an impact character printer, and, in addition, either a single- or dual-drive tape cassette unit. Figure 1-1 shows the various cabinet configurations possible and figure 1-2 is a functional schematic of the configurations.

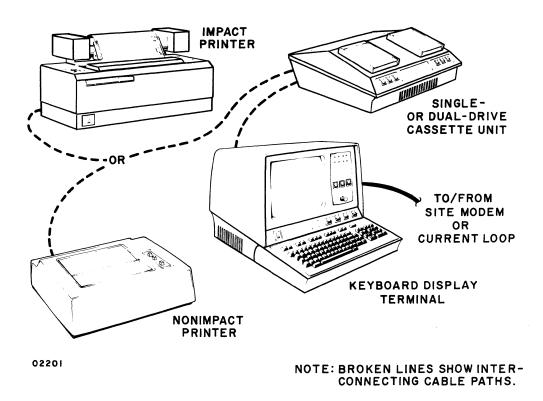
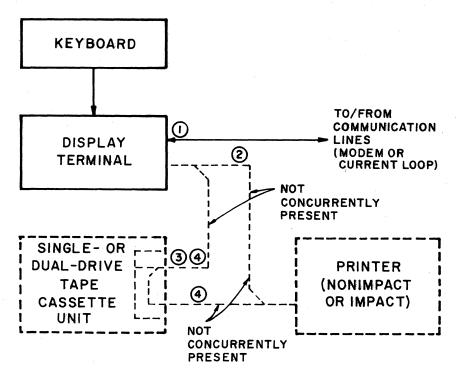


Figure 1-1. Terminal Subsystem Cabinet Configurations

62962300 A



POSSIBLE TERMINAL SUBSYSTEM CONFIGURATIONS:

- (1) STAND- ALONE KEYBOARD DISPLAY TERMINAL
- (2) KEYBOARD DISPLAY TERMINAL WITH A PRINTER
- (3) KEYBOARD DISPLAY TERMINAL WITH A CASSETTE UNIT
- (4) KEYBOARD DISPLAY TERMINAL WITH A CASSETTE UNIT AND A PRINTER

02199

Figure 1-2. Terminal Subsystem Functional Schematic

The keyboard display portion will operate as either a stand-alone terminal or as the controlling entity of any of the expanded subsystems as shown in figures 1-1 and 1-2. In any of its configurations, the terminal subsystem is designed for interactive or remote-data-entry applications. Of course, the presence of either or both a printer and a tape cassette unit enhances the terminal capability. A printer produces hard copy of desired data/messages while a tape unit provides working storage for long or short messages. Printer or tape unit messages may originate from either the communications system (online) or from terminal operator composition (local).

Although physically small, the keyboard display terminal incorporates a complete processor and various levels of random-access and read-only memory for storing data and firmware control programs. The basic terminal, which has a minimum complement of internal functional modules and consists of the keyboard display cabinet only, is easily expanded by adding slide-in internal functional modules in spaces available inside the display cabinet and by connecting a desired printer and/or tape cassette unit to the PERIPHERAL connector at the back of the cabinet. The basic terminal is capable of transmitting and receiving messages to and from other terminals in duplex circuits (both full and half). It is compatible with requirements specified by other KSR (keyboard/send/receive) devices and permits data to be displayed on its crt screen and/or printed in hard copy at a printer and/or stored on cassette tape. Communication circuits are in accord with those specified by EIA (Electronic Industries Association) RS-232-C, Interface Between Data Terminal Equipment and Data Communication Equipment Employing Serial Binary Data Interchange standard (see appendix A for pin assignments for the various signals). An interface module can be included within the basic terminal to meet other communication network require– ments (e.g., current loop).

The terminal subsystem is offered with the following functional features in addition to the basic configuration:

- 60-mA current loop interface
- Line and block transmission
- Edit capability (with wraparound)
- Protected data format
- External acoustic coupler
- Hardcopy (printer) control
- Tape cassette control
- Extended memory
- Multidrop (polled operation)
- Automatic answerback
- Character highlight
- Nonimpact or impact character printer
- Single- or dual-drive tape cassette unit
- Paging
- Interface adapter cabling (allows interconnection with RS-232-C compatible devices other than a modem)

A standard feature throughout the terminal (minimum to maximum configuration/functions) is the use of medium-scale to large-scale integrated circuits (MSI and LSI) of the latest technology. This includes TTL and large MOS-type chip technology. Another standard feature is the modular expansion capability of the DMA shared-bus scheme used by the processor located in the keyboard display terminal. In addition, the modular theme is employed throughout all equipments in the subsystem.

62962300 C 1–3

EQUIPMENT GENERAL DESCRIPTIONS

Following paragraphs describe the keyboard display terminal, identify the various additional features which may reside in it, and describe the various peripheral equipments which may be configured together with the keyboard display to form a terminal subsystem. These general equipment descriptions include:

- Keyboard display terminal
- Nonimpact character printer
- Impact character printer
- Tape cassette (single- or dual-drive) unit

KEYBOARD DISPLAY TERMINAL

The basic keyboard display terminal (figure 1-3), without associated peripherals, includes the following major functional components:

- Detachable keyboard.
- Television monitor
- Logic module
- Power supply

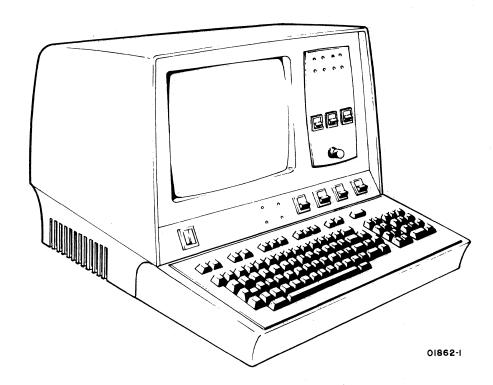
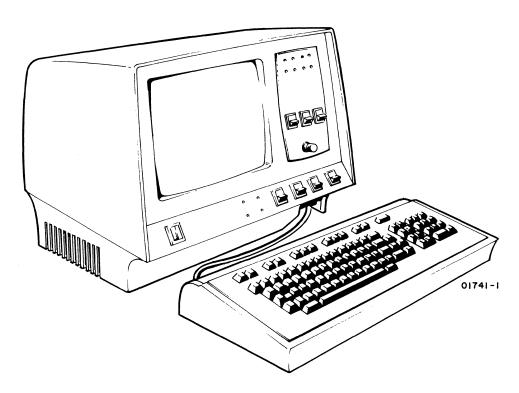


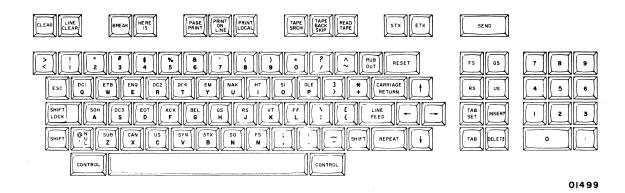
Figure 1-3. Keyboard Display Terminal

Detachable Keyboard

The keyboard permits the operator to compose and send messages over the communication line. It also provides operator control over use of any associated peripherals. As shown in figure 1-4, the keyboard easily slides away from the basic cabinet. This feature improves operator mobility.



KEYBOARD ASSOCIATION WITH CABINET



KEY LAYOUT

Figure 1-4. Keyboard

The keyboard generates 8-bit encoded signals to the logic module in the display cabinet when a key is pressed. (Certain control keys however, are not encoded signal generation keys, such as the PRINT keys.) The keyboard features N-key rollover which permits the 8-bit code to be generated by the key independent of the other keys. Thus, one key does not have to be released to generate another code and a code will be generated to the interface for each key pressed.

The keyboard can generate codes for lowercase as well as uppercase characters and will do so provided the 64 CHAR/96 CHAR switch is in the 96 CHAR position.

The CONTROL key can be used in conjunction with other keys to generate special character codes. As many as 128 distinct codes can be generated by the keyboard, using the SHIFT and CONTROL keys in conjunction with the other keys. Character codes can be repeated by pressing the REPEAT key in conjunction with the data key.

Appendix B identifies all the codes/characters which may be generated from the keyboard and displayed on the television monitor.

Television Monitor

The monitor incorporates a 12-inch (diagonal) crt which is driven by video circuits mounted on a printed-circuit (PC) board. Approximately 12 000-V dc is developed from +15-V dc to drive the electron beam which illuminates the phosphor on the inside of the crt. Horizontal and vertical sweep circuits control the degree of deflection, and an incoming data signal from the logic module assembly (refresh board) causes the beam to be turned on and off sufficiently to create the dot pattern on the screen that constructs a representative character for the viewer.

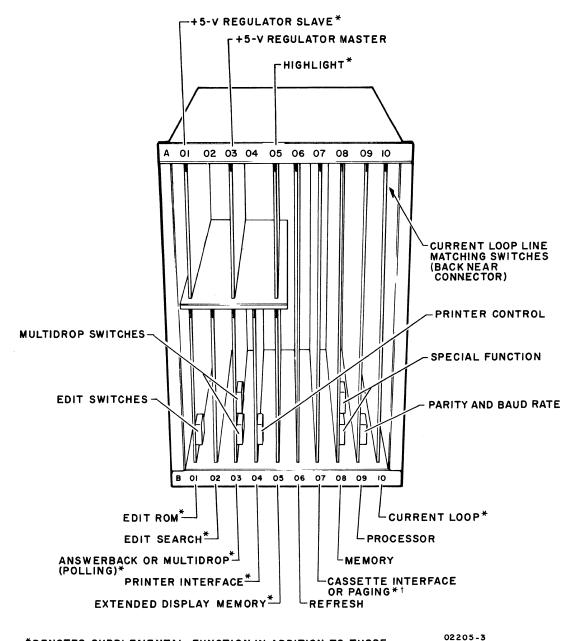
The dot matrix used can display 128 different characters, including a space on the screen. Appendix B shows the displayable characters for this machine. The basic full-screen display is 12 lines of 80 characters (960 characters) in a 5-1/2- by 8-inch (13- by 20-cm) area on the screen called the raster. A terminal with extended memory (see description under Logic Module Assembly in section 4, Theory of Operation) can display 24 lines of 80 characters (1920 characters) in approximately the same raster area.

Logic Module

The logic rack shown in figure 1-5 is structured to contain the logic circuit cards required for the basic keyboard display and the various additional features. It employs a microprocessor-based processor module which communicates with and controls all functions via a DMA, shared-bus backplane scheme. Function cards plug into this common-controlled bus. Each card is a separate module and each is

1-6 62962300 A

removed by releasing the holding cams (at top and/or bottom of card) and evenly pulling the card out of the rack. Inserting a card is done by the reverse and by using the holding cam(s) to carefully lever the card firmly in place in its receiving connector at the back of the logic chassis. As shown in figure 1-5, several cards are basic required functions while others are supplemental. For details of either the basic or supplemental cards, see section 4.



*DENOTES SUPPLEMENTAL FUNCTION IN ADDITION TO THOSE REQUIRED FOR A MINIMUM, BUT OPERATIONAL, KEYBOARD DISPLAY TERMINAL. (EXTENDED DISPLAY MEMORY IS ALWAYS PRESENT FOR 24 DISPLAY LINES.)

Figure 1-5. Logic Module

TWHEN TAPE CASSETTE IS INSTALLED THE BATCH MODE SWITCH MUST BE DISABLED.

Power Supply

The power supply consists of a bulk power supply circuit board, a transformer, and an ac entry panel. These assemblies, which are located in the bottom and back side of the display cabinet, provide five required primary voltages: -9-V dc, -12-V dc, -24-V dc, +12-V dc, and +23-V dc. From these voltages, a number of other voltages are created throughout the display terminal. Some of these other voltage circuits include:

- +5-V dc regulator (board in logic module)
- -5-V dc regulator (processor board in logic module)
- +15-V dc regulator (in television monitor)
- +5-V dc regulator on video (television monitor)

NONIMPACT CHARACTER PRINTER

The nonimpact character printer (figure 1-6) operates as an output peripheral in conjunction with the keyboard display terminal. It prints a maximum of 30 characters per second in serial order. A full print line is 80 characters maximum. The printer has selectable parity (odd, even, or none) and checks received data according to the ODD PAR/NO/EVEN PAR switch setting. If a received code contains a parity error, the printer prints the ASCII vertical line character (|) for the erroneous code.

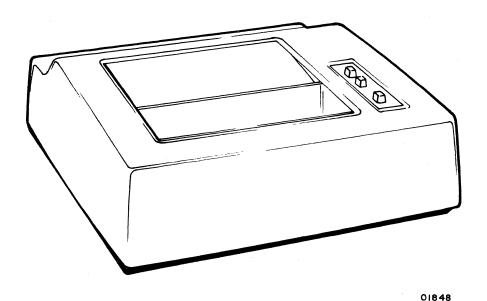


Figure 1-6. Nonimpact Character Printer

The printer cabinet contains the following major functional components:

- Print mechanism
- Interface and control logic cards
- Power supply

These components appear in figure 1-7 and are briefly described in the following paragraphs.

Print Mechanism

The print mechanism consists of the electromechanical components required to advance and print characters on single-copy, roll-type, thermal-sensitive paper. It includes a single printhead which contains a set of heat elements arranged in a 5- by 7-dot matrix. Printing is done, one character at a time, by bringing the printhead into contact with the heat-sensitive paper and quickly heating selected heat elements of the matrix. Which elements are heated depends on signals received from the signal processing (interface) logic card which recognizes each character for printing.

The dot matrix can print the 96-character subset (shown in appendix B), which includes both uppercase and lowercase characters/symbols (without descenders). Printing occurs in lines of up to 80 characters. The print mechanism will execute three device control codes which are: backspace, line feed, and carriage return (see appendix B for these ASCII-compatible device control codes).

When the printer receives the null code or any unrecognized code (for example, control codes other than BS, LF, or CR), no printer action occurs.

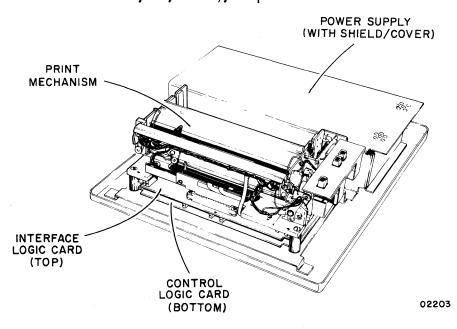


Figure 1-7. Nonimpact Printer Components

Interface and Control Logic Cards

These two cards contain the logic circuits which control and direct nonimpact printer operations. The upper card does interface signal processing which includes recognizing usable control and printable codes as they are received and then issuing proper directions to the print mechanism for execution. The lower card provides timing control for all printer operations and includes those logic circuits necessary to govern the mechanical functions.

Power Supply

The power supply, which is a single removable assembly, provides four regulated dc voltages for the printer: +5-V dc (for all logic circuits), +16-V dc (for print mechanism), +24-V dc (for print mechanism), and -24-V dc (for interface card ROM circuits). All outputs have overcurrent and overvoltage protection.

IMPACT CHARACTER PRINTER

The impact character printer, shown in figure 1-8, operates as an output peripheral in conjunction with the keyboard display terminal. It prints characters in serial order at a nominal speed of 173 characters per second if supplied with 60-Hz input power, or a nominal speed of 180 characters per second for 50-Hz input power. A full print line is 132 characters maximum.

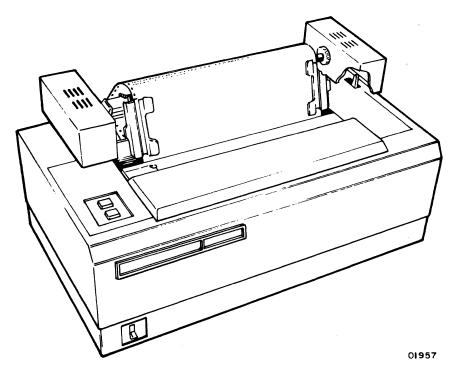


Figure 1-8. Impact Character Printer

The printer cabinet contains the following major functional components:

- Print mechanism
- Interface and control logic chassis
- Power supply

These components appear in figure 1-9 and are briefly described in the following paragraphs.

Print Mechanism

The print mechanism consists of the electromechanical components required to advance and print characters on multiple-copy (up to five-part), standard, fanfold, continuous forms paper. It includes a single printhead which contains a set of impact pin elements arranged in a 1- by 7-dot matrix. Printing is done, one vertical column at a time, within a 7- by 7-dot character matrix, by bringing the required pins (which represent the needed dots in the present vertical column of the present character) into contact with an inked ribbon which, in turn, strikes the paper. Which pins are actuated (by electric solenoid) depends on signals received from the interface and control logic circuits which recognize each character for printing.

The dot matrix can print the 64-character subset shown in appendix B. (A 96-character subset which includes both uppercase and lowercase characters/symbols, without descenders, may be included in the printer's capability.) Printing occurs in lines of characters up to 132 characters per line. The print mechanism will execute four device control codes which are: carriage return, line feed, top of form, and vertical tabulation (see appendix B for these ASCII-compatible device control codes). For any other device control code, the printer does a character space.

Interface and Control Logic Chassis

The logic chassis, shown in figure 1-9, contains the logic circuit cards required for the printer (with exception of the printhead driver board which resides in the print mechanism). Each card is a separate module and is removed by releasing the holding cams (at either side of card) and evenly pulling the card out of the rack. Inserting a card is done by the reverse and by using the holding cams to carefully lever the card firmly in place in its receiving connector at the back of the logic chassis. For card functions, see section 4.

62962300 A 1–11

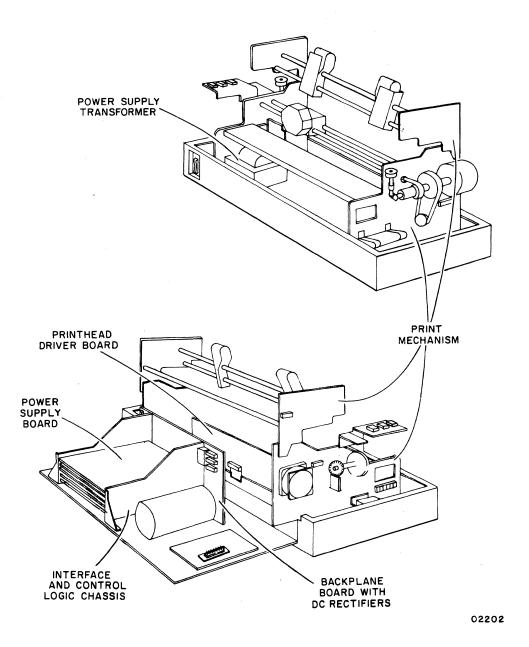


Figure 1-9. Impact Printer Components

Power Supply

The power supply in the impact printer consists of several separated elements which are: an ac input power transformer, a backplane rectifier board, and a dc regulator power supply board. The transformer converts either 60-Hz or 50-Hz ac input power to the following low level ac voltages required by internal circuits: 28, 24, 16, and 13-V ac. The backplane board contains rectifiers which supply +36-V and +12-V power. The power supply board supplies regulated +5 V for logic circuits. The power supply board also contains a -12-V rectifier/regulator circuit for controller board character ROM and interface board receiver/transmitter and drivers.

62962300 C

TAPE CASSETTE UNIT

The tape cassette unit, see figure 1-10, operates as a bulk storage peripheral for the terminal subsystem. The unit stores digital data, in serial form, on an ANSI X3B1/638-compatible, Philips-type cassette cartridge. The unit may provide either one or two cassette drives. On a dual-drive unit, both drives may not operate simultaneously. Rather, they may operate alternately. Operating modes include: 1) data transfer to/from communication line — either operator or program controlled, 2) data transfer to/from keyboard display portion of subsystem — either online or offline, and 3) data transfer to a printer — if included as part of the subsystem.

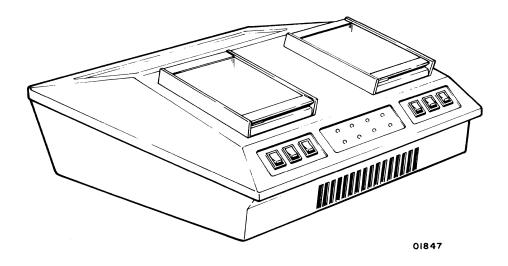


Figure 1-10. Tape Cassette Unit

The tape unit cabinet contains the following major functional components:

- Tape drive(s)
- Logic chassis
- Power supply

These components appear in figure 1-11 and are briefly described in the following paragraphs.

0

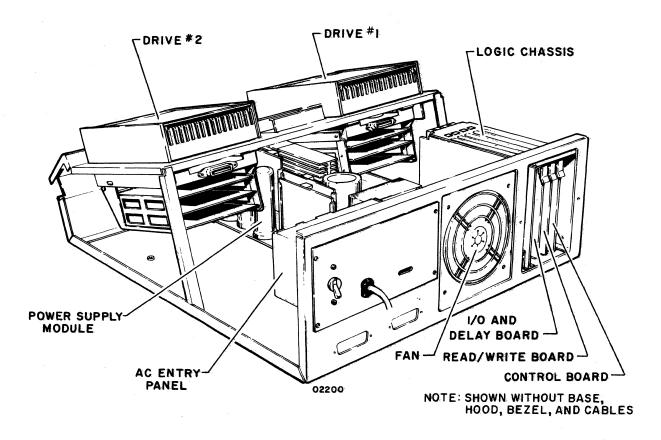


Figure 1-11. Tape Cassette Unit Components

Tape Drive(s)

The tape cassette unit may contain either one or two tape cassette drive (transport) mechanisms. The drive is an electromechanical device capable of forward read, forward write, reverse, rewind, and idle operations. The head used is single-track, dual-gap, read-after-write which allows checking whether data just written is correct. Recording is by the Manchester principle of recording where a positive-going voltage on the write head records a 1 bit and a negative-going voltage records a 0 bit. The drive has photocell sensor circuits for tape with beginning of tape (BOT) and end of tape (EOT) holes. The drive device includes electronics which consist of a read/write amplifier circuit, motion control electronics, and capstan motor control electronics. Mechanically, the tape is moved at a controlled speed across the read/write head by solenoid-activated pinch rollers working against rotating capstans.

1-14

Logic Chassis

The logic chassis contains three printed-circuit boards which provide the necessary logic for interfacing with the RS-232 type I/O line and for handling serial read/write data from/to either a single tape drive or two tape drives if both are present in the unit. The capability for handling two drives is always present in these circuits. Each card in the logic chassis is a separate module and is removed by releasing the holding cam and pulling the card out of the rack. Inserting a card is done by the reverse and by using the holding cam to carefully lever the card firmly in place in its receiving connector at the back of the logic chassis. For card functions, see section 4, Theory of Operation.

Power Supply

The power supply, which is a single removable assembly, provides four regulated voltages: +5-V dc (for all logic circuits), +12-V dc (for tape drive mechanism), -12-V dc (for tape drive mechanism), and -5-V dc (not used). All outputs have current limiting protection. The +5-V dc output has overvoltage protection.

SPECIFICATIONS

Following paragraphs define the environmental, physical, and electrical specifications for all portions of the terminal subsystem.

SUBSYSTEM ENVIRONMENTAL SPECIFICATIONS

Each unit used in a subsystem (keyboard display, printer, or tape unit) requires the same environment as follows:

Operating Temperature: +50° to +104°F (+10° to +40°C)

Recommended Operating Temperature: +72°F (+22°C)

Operating Maximum Temperature Change: 18°F (10°C) per hour

Operating Relative Humidity: 20 to 80%

Operating Maximum Humidity Change: 10% per hour

Operating Altitude from Sea Level: -1000 to +9850 ft (-305 to +3000 m)

Nonoperating Temperature: +14° to +122°F (-10° to +50°C)

Nonoperating Maximum Temperature Change: 36°F (20°C) per hour

Nonoperating Relative Humidity: 10 to 90%

Nonoperating Maximum Humidity Change: Not specified

Nonoperating Altitude from Sea Level: -1000 to +15 000 ft (-305 to +4573 m)

KEYBOARD DISPLAY PHYSICAL AND ELECTRICAL SPECIFICATIONS

Following paragraphs define the physical and electrical specifications for the keyboard display terminal.

Physical

The keyboard display cabinet, with keyboard slid in place, has the following physical characteristics (see figure 1-12):

Height: 15.20 in (38.6 cm) Width: 21.65 in (55.0 cm)

Depth (front edge of keyboard to back of cabinet): 20.45 in (52.0 cm)

Weight (of the basic cabinet): 61.5 lb (27.90 kg) approx

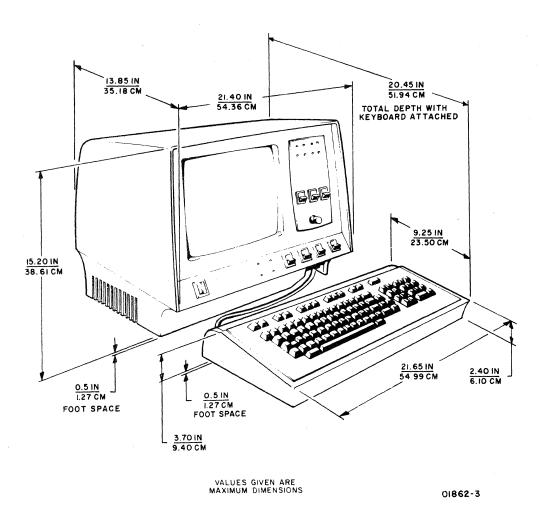


Figure 1-12. Keyboard Display Dimensions

1-16

C

Electrical

The keyboard display has the following input power requirements:

104 to 127-V ac, 59.0 to 60.6 Hz, single-phase, 1.5 A or 198 to 268-V ac, 49.0 to 50.5 Hz, single-phase, 1.0 A

NOTE

Supplemental modules added in the basic keyboard display increase the input amperage required to the cabinet to 1.8 A for 60 Hz and 1.2 A for 50 Hz.

Power use of the keyboard display ranges from 191 watts for the basic keyboard display unit (without supplemental modules) to a maximum of 300 watts for a keyboard display loaded with maximum number of maximum-current-drawing supplements. Heat dissipation for such minimum/maximum configurations is 665 Btu/hr up to 1024 Btu/hr.

In addition to the normally expected input power requirements, the keyboard display has an important internal requirement due to its add-in, supplemental function(s) capability. This internal requirement is the amount of current drawn from the internally located +5-V regulator before an additional +5-V slave regulator must be added to provide additional current capability for more supplemental-function circuit cards which may be added to the machine. Table 1-1 specifies the +5-V current required for the basic machine and gives the additional +5-V current requirement for each supplement which may be added. When the total +5-V current requirement approaches 10 amperes, as a result of adding various supplement cards, an additional +5-V regulator card must be slid into the logic module in the display cabinet (figure 1-5).

TABLE 1-1. KEYBOARD DISPLAY BASIC AND SUPPLEMENT +5-V REQUIREMENTS

MODULE/SUPPLEMENT +5-V INTERNAL POWER REQUIRED (MAXIMUM)
5.0 A
600 mA
500 mA
2.2 A (600 mA each edit ROM and expanded memory and 500 mA each edit search and highlight)
350 mA
600 mA
100 mA
600 mA
1.3 A
2.0 A

NONIMPACT PRINTER PHYSICAL AND ELECTRICAL SPECIFICATIONS

Following paragraphs define the physical and electrical specifications for the non-impact character printer.

Physical

The nonimpact printer has the following physical characteristics (see figure 1-13):

Height: 5.94 in (15.1 cm)
Width: 17.62 in (44.8 cm)
Depth: 15.94 in (40.5 cm)
Weight: 30 lb (13.61 kg) approx

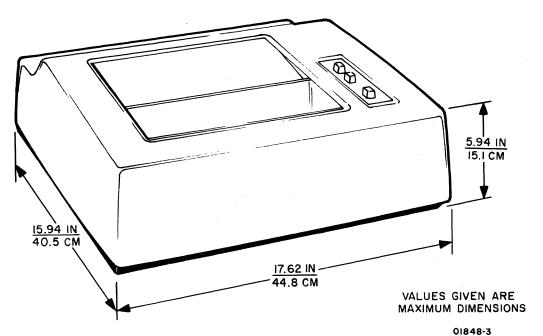


Figure 1-13. Nonimpact Printer Dimensions

Electrical

The nonimpact printer has the following power requirements:

104 to 127-V ac, 59.0 to 60.6 Hz, single-phase, 2.0 A

198 to 242-V ac, 49.0 to 50.5 Hz, single-phase, 1.3 A 216 to 264-V ac, 49.0 to 50.5 Hz, single-phase, 1.3 A

Power use of this printer is 100 watts operating and heat dissipation is 341 Btu/hr.

IMPACT PRINTER PHYSICAL AND ELECTRICAL SPECIFICATIONS

Following paragraphs define the physical and electrical specifications for the impact printer.

Physical

The impact printer has the following physical characteristics (see figure 1-14):

Height: 14.80 in (37.5 cm)
Width: 27.55 in (70.0 cm)
Depth: 15.00 in (38.0 cm)
Weight: 78 lb (35 kg) approx

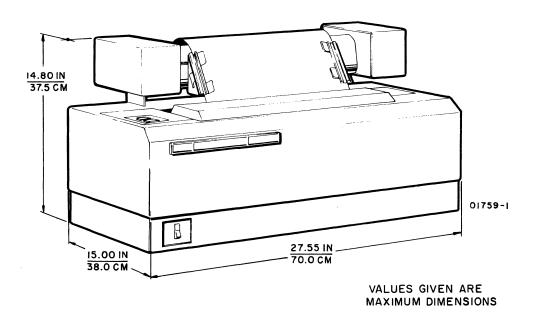


Figure 1-14. Impact Printer Dimensions

Electrical

The impact printer has the following power requirements:

104 to 127-V ac, 59.0 to 60.6 Hz, single-phase, 4.2 A or 198 to 268-V ac, 49.0 to 50.5 Hz, single-phase, 2.1 A

Power use of this printer is 250 watts operating and heat dissipation is 854 Btu/hr.

TAPE CASSETTE UNIT PHYSICAL AND ELECTRICAL SPECIFICATIONS

Following paragraphs define the physical and electrical specifications for the tape cassette unit.

Physical

The tape cassette unit has the following physical characteristics (see figure 1-15):

Height: 8.00 in (20.3 cm) Width: 19.50 in (49.5 cm) Depth: 20.75 in (52.7 cm)

Weight: Single-drive unit - 35 lb (15.88 kg)

Dual-drive unit - 40 lb (18.14 kg)

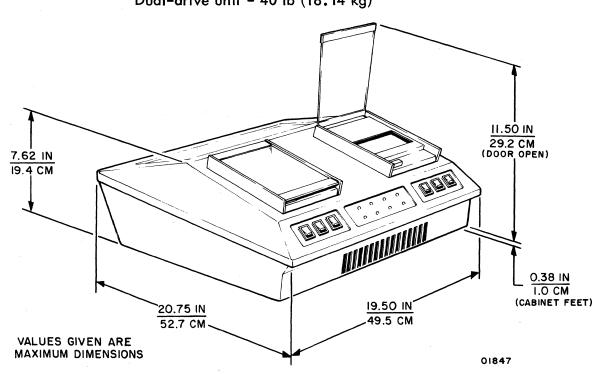


Figure 1-15. Tape Cassette Unit Dimensions

Electrical

The tape cassette unit has the following power requirements:

104 to 127-V ac, 59.0 to 60.6 Hz, single-phase, 1.0 A or 198 to 268-V ac, 49.0 to 50.5 Hz, single-phase, 0.5 A

Power use of this unit is 85 watts operating and heat dissipation is 300 Btu/hr.

1**-**20 ∆

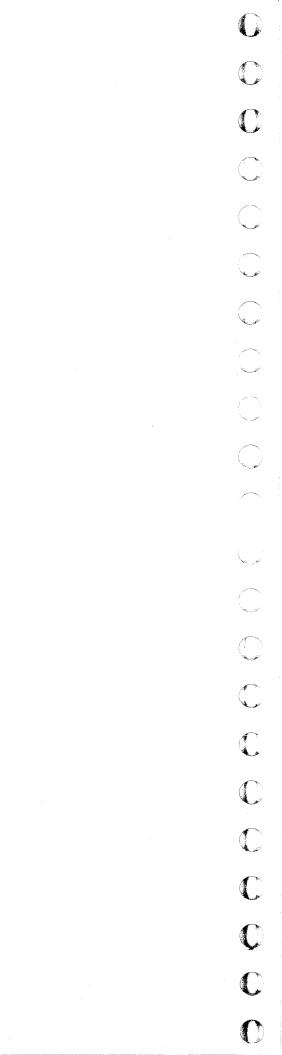
62962300 A

Operator procedures are discussed in detail in the operators guide. Switches and indicators are described both in the reference manual and the operators guide (see preface of this manual for publication numbers).

NOTE

When the POWER ON/OFF switch is turned OFF, it should not be turned ON again within 90 seconds or the circuit breaker may trip.

62962300 A



THEORY OF OPERATION

In order to best perform maintenance on the terminal subsystem, a basic knowledge of the subsystem operation as a whole and of each individual equipment cabinet is essential. To help meet this requirement, this section provides functional theory at three levels: the subsystem, the cabinet-level equipment, and major functional areas (modules/subassemblies) within the equipment cabinets. Since the maintenance philosophy followed in this manual is to troubleshoot and replace to the modular (subassembly) level (if at all possible), the theory contained in this section generally avoids discussion of circuit operations down to the IC chip level or individual component/part level (with some exceptions where it is necessary for understanding operation at the higher levels). For a detailed description of internal operation of a specific module/subassembly in the terminal subsystem, refer to the appropriate component and equipment manual listed in the preface.

TERMINAL SUBSYSTEM COMMUNICATIONS

The terminal subsystem, in its various configurations as defined in section 1, General Description, is a remotely-located, input/output terminal based on a keyboard display with a self-contained terminal communications processor. As such, the terminal is able to communicate with a higher-order processor over asynchronous communications lines which are compatible with EIA Standard RS-232-C (see appendix A for identification of these communication line signals). For such system interface, the terminal subsystem will connect directly to an RS-232-C compatible data set (modem), and thereby communicate over common carrier lines. An alternate interface is achieved by sliding a current loop adapter module into the DMA, shared-bus logic rack in the display cabinet. This allows communications via a battery-operated, current loop type communications line (see Current Loop Board paragraph, this section, for definitions of these types of signals).

Variations in terminal responses, as may be required by specific communication systems protocol, are achievable by sliding either an answerback or a multidrop function module into the logic rack in the display cabinet. The answerback module allows manually setting (programming) an automatic answerback message response consisting of up to 21 seven-bit words. The multidrop module adapts the terminal to operate with polling type communications systems such as the Bell System 85A1 Selective Calling Service Stations (or equivalent).

62962300 A 4-1

Operation of the terminal subsystem with communications systems is discussed thoroughly in the terminal subsystem reference manual (see preface for publication number). For information regarding I/O message sequencing and techniques compatible with this subsystem, see the subsystem reference manual. For any specific terminal subsystem installation, it is recommended to consult with operating and supervisory personnel at the site regarding the protocol required to communicate with the particular communications system.

CABINET-LEVEL OPERATING THEORY

In addition to the thorough general description in section 1 of the various cabinetlevel equipments which may be interconnected to form a terminal subsystem, following paragraphs provide brief functional theory information. The equipment cabinets are, of course, the same as identified in section 1; e.g., keyboard display terminal, nonimpact character printer, impact printer, and tape cassette unit (singleor dual-drive).

KEYBOARD DISPLAY TERMINAL

The keyboard display terminal houses a powerful microprocessor-based terminal processor which is the control center for the entire subsystem. The processor is an 8-bit parallel type with an instruction repertoire of nearly 100 instructions. The processor uses terminal control firmware which may be stored in various ROM modules located along a DMA shared bus. Besides a basic keyboard display control firmware program stored in a basic memory module required for any viable terminal operations, expansion function modules (in the form of cards) may be added which carry their own firmware control programs in ROM. The basic control firmware program looks for the presence of such expansion modules in a predetermined scheme. When it comes across one that is present, it jumps out to use/perform the appropriate expansion instructions contained in the added functional module. In addition to ROM modules, the processor uses RAM which may also be located along the bus. Basically, required RAM contains 1 K address locations and is for screen refresh storage of 12 lines of 80 characters per line (960 characters). This leaves 64 locations for the processor to use as external temporary storage (stack) of 8-bit bytes. Adding the extended memory function on the bus adds 1 K more RAM which provides screen refresh storage for 12 more lines of 80 characters to make a total of 24 lines of 80 characters possible on the screen (1920 characters). It also provides 64 additional temporary storage addresses for processor use. Table 4-1 defines the predetermined addressing scheme for types of memory modules which may be installed along the bus.

4-2

TABLE 4-1. LOGIC MODULE MEMORY ADDRESSING STRUCTURE

ADDRESS (HEXADECIMAL)	FUNCTIONAL MEMORY AREA BEING ADDRESSED*
0000 — 0FFF	Processing control ROM (4K).
2000 — 27FF	Display RAM (2K; includes 1K for basic 960-character display and 1K optional extended for additional 960 characters for 1920-character display. Also provides 64 addresses in each 1K for use as temporary storage by the processor).
2800 — 2FFF	Search RAM for edit function (2K, 3-bit words).
3000 — 33FF	Printer ROM (1K).
3400 — 3414	Diode matrix ROM (21 words) for answerback function.
3800 — 3BFF	Multidrop ROM (1K).
3C00 — 3FFF	Multidrop RAM (1K).
4000 — 43FF	Cassette RAM (1K).
4400 — 47FF	Cassette RAM (1K).
* One 8-bit word i	s at each address unless otherwise specified.

Normally the processor has control of the shared bus. However, other modules present on the bus may request control of the bus from the processor for DMA operations or I/O control. The processor provides overall program control for other modules using the bus. The shared bus includes an 8-bit data bus, a 16-bit address bus, and a variety of interrupt, status, and control lines, all of which are used by the processor to direct overall terminal operations via the circuits located in the display logic module. For details of the various functional modules in the keyboard display terminal, see the modular level descriptions following later in this section. For details of the shared-bus scheme, including the processor instruction repertoire and cycles, refer to the component and equipment manual on the basic logic module subassemblies (see preface for publication number).

The keyboard display terminal has switches which control/set the online/offline condition of the subsystem with respect to the communications system. Switches on the keyboard display also control the online/offline condition of the peripheral printer which may be present. Furthermore, switch positions control how much data may be transmitted to the system at a time: character-by-character consistent with teletype conventions (either half or full duplex), line-by-line, or a block up to and including the total display memory size of 960 or 1920 characters. In addition, various switches operate in conjunction with expanded function boards in the display logic rack to allow editing, highlighting, and protected field keyboard display operations. For switch operation, see the subsystem operators guide (see preface for publication number). Also see expanded function descriptions in Logic Module Assembly paragraphs later in this section.

NONIMPACT CHARACTER PRINTER

The nonimpact printer operates as a hardcopy peripheral to the keyboard display terminal. It does so through the printer interface control board installed on the processor-controlled shared bus in the display logic module. This printer operates exclusively as a slave receive-only device. For printing to occur, it must receive all its device control and print character codes from the terminal. Such information may originate from either the communications system, the keyboard, or the tape cassette unit (if present). The particular data source depends on the presence/absence of the tape cassette peripheral and the condition of various switches/controls on/in the keyboard display terminal. The operators guide and reference manual for the terminal subsystem both contain detailed descriptions of data routing to the printer depending on the various control settings possible (see preface for publication numbers). For details of the functional modules within the nonimpact printer, see the modular level descriptions following later in this section.

IMPACT CHARACTER PRINTER

The impact character printer operates as a slave hardcopy device in the same manner as the nonimpact printer does (see preceding description). It will, however, accept data over the printer interface at a faster rate than the nonimpact printer.

TAPE CASSETTE UNIT

The tape cassette unit operates as a slave mass storage device in the terminal subsystem. As such it will record or play back records of information upon command from the display keyboard terminal. Recording information may originate from the communications system or from the keyboard display. Playback data may go to either: the display and the communications system; the display, communications system, and printer; the display and printer; or the display only. Which path(s) taken depend on the peripherals present in the subsystem and the condition of various switches/controls on/in the display keyboard terminal. The operators guide for the terminal subsystem and the reference manual both contain detailed descriptions of data routing depending on the various control settings (see preface for publication numbers). Also see the modular level descriptions for the tape cassette later on in this section.

MODULAR-LEVEL FUNCTIONAL THEORY

The following paragraphs define and functionally describe the replaceable modules and subassemblies within the cabinets of the keyboard display terminal, nonimpact printer, impact printer, and tape cassette unit. Each of these four is a device which may be a part of the terminal subsystem installation.

4-4 62962300 C

KEYBOARD DISPLAY TERMINAL

The keyboard display terminal is the controlling entity of a terminal subsystem. It consists of four major functional subassemblies, some containing a large number of modules within them. These major subassemblies are:

- Detachable keyboard
- Video monitor
- Logic module assembly
- Power supply

The following paragraphs describe the modules and parts of these major subassemblies. At the end of this discussion, important minor components are defined.

Detachable Keyboard

The detachable alphanumeric keyboard portion of the keyboard display terminal is the main operator control device in a terminal subsystem. It allows for operator entry of specific character/symbol and control codes which are subsequently displayed or transmitted depending on the settings of the FULL DUPLEX/HALF DUPLEX and CHARACTER/LINE/BLOCK switches. Display terminal and peripheral (e.g., printer and tape cassette unit) function control keys are also present on the keyboard. Operation of these function keys depends on the presence or absence of the peripherals and on the specific operating mode of the terminal. All of the various keys, functions, and operating modes are thoroughly described in the terminal subsystem operators guide and reference manual (see preface). Refer to those publications to learn all the possible variations/uses of the keys provided when used in conjunction with the various mode/function switches available in the terminal.

Pressing any alphanumeric character/symbol or control key generates an 8-bit binary code which transfers to the control logic circuits in the display logic module. The keyboard employs what is termed N-key rollover, which means that a code transfers as each key is actuated regardless of the state of the other keys. The keyboard generates codes at three levels. The first level consists of the codes generated by pressing any code-producing key singly by itself. These codes are termed lowercase. The second level involves pressing any code-producing key while a SHIFT key is active. This produces uppercase codes. The third level is achieved in either of two ways. One is by pressing any code-producing key while CONTROL key is active. The other is by pressing any code-producing key while both SHIFT and CONTROL keys are active.

All these variations available allow generating up to 96 character/symbol codes and 32 control codes. These are the ASCII X3.4–1968 compatible character set codes from 040_8 through 177_8 and the ANSI X3.32–1973 compatible control set codes from 000_8 through 037_8 (see appendix B). Note, however, that the display terminal has

62962300 A 4-5

an external switch (64 CHAR/96 CHAR switch) which disables codes 1408 through 1768. If this switch is in the 64 CHAR position, the display logic circuits interpret all level 1 codes (normally lowercase) generated by the keyboard as uppercase codes.

As shown in figure 4-1, the keyboard consists of a replaceable keyboard subassembly, a short detachable cable (approximately 2 feet/61 cm long outside the housing), and a two-piece molded housing.

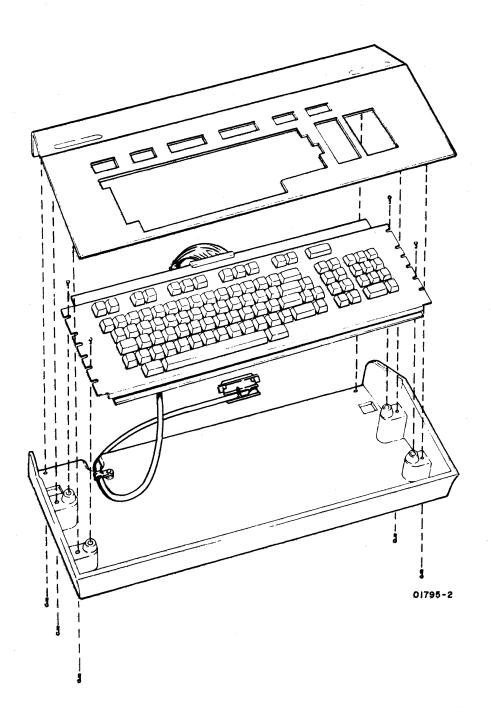


Figure 4-1. Detachable Keyboard (Exploded View)

Video Monitor

The primary purpose of the monitor is to create a visual display showing graphically information transmitted electrically. It operates similarly to television sets except for certain refinements. The video signal is created at the refresh board in the logic module and is locked to a display line pattern before it enters the video module; therefore, in the display terminal the "picture" does not "roll" on the screen vertically as it does occasionally on a television screen. In television, this roll is caused by an out-of-sync condition of the vertical oscillator with the incoming video signal. In the display terminal, the vertical oscillator was eliminated. A screw adjustment (potentiometer) does exist on refresh board 06 in the logic module to fine-tune the circuits to eliminate any possible "blooming" (displayed image expands and contracts in a pulsating manner).

Figure 4-2 shows the video monitor components.

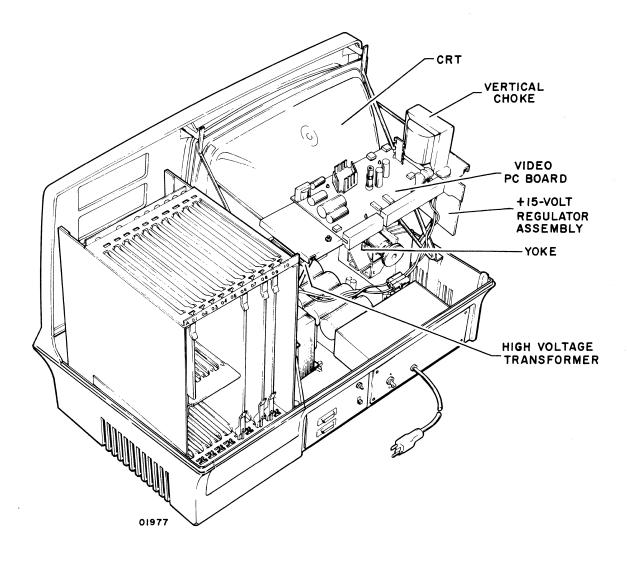


Figure 4-2. Video Monitor Components

These components are:

- Cathode-ray tube (crt)
- High-voltage transformer
- Video printed-circuit board
- Vertical choke
- Yoke assembly
- +15-V regulator assembly

The following paragraphs describe these parts of the video monitor.

Cathode-Ray Tube (CRT)

The crt is a standard black and white type television tube which measures approximately 12 inches (30.5 cm) diagonally. It has a standard P4 phosphor coating inside the tube face for illumination by the electron beam.

High-Voltage Transformer

The high-voltage transformer produces the high voltage required by the crt anode (approximately 12 000-V dc) and the three high voltages used on the video printed-circuit board (+465-V dc, -190-V dc, and +45-V dc). It does this by using the horizontal output from the video printed-circuit board to power its primary.

Video Printed-Circuit Board

The video printed-circuit board contains the control circuits for driving and controlling the electron beam in the crt. These circuits include those for the horizontal and vertical sync and their amplifiers. They also include the video amplifier circuits for blanking/unblanking the electron beam.

The horizontal and vertical sections differ from that of a normal TV set in that they do not use horizontal or vertical oscillators. Therefore, if the horizontal sync is not present from the refresh board in the logic module, no raster will appear on the screen. The output stage of the horizontal circuits provides the yoke with the proper horizontal scanning current. By powering the primary side of the high-voltage transformer, it also develops the necessary crt support voltages (12 to 13 kV high voltage, 465 V G2, and – 190 V brightness/focus), and provides B+ (+45 V) for the video amplifier through use of the flyback power supply.

In addition, this board contains a +5-V dc regulator which uses the +15-V dc from the +15-V dc regulator assembly to generate +5-V dc for use by logic circuits on the video board. The board contains several adjustments (potentiometers) for creating clear and distinct characters on the crt screen. These adjustments include contrast, width, height, focus, intensity range, and vertical linearity. A Brightness potentiometer is located on the display cabinet front panel to vary the intensity of the raster.

62962300 B

Vertical Choke

The vertical choke coil helps ensure proper vertical electron beam movement down the face of the crt by suppressing unwanted oscillations in the vertical yoke coil.

Yoke Assembly

The yoke assembly produces horizontal and vertical deflection of the electron beam while the beam is on its way to the face of the crt. The horizontal coil in the yoke is driven by the horizontal amplifier output from the video printed-circuit board and the vertical coil is driven from the vertical amplifier on the same board. The yoke has adjustment rings (centering tabs) for centering the raster on the face of the crt, and a copper sleeve inside the yoke to provide for horizontal linearity adjustment.

+15-Volt Regulator Assembly

The circuits of the ± 15 -volt regulator assembly maintain a constant ± 15 -V dc $\pm 5\%$ supply to the video printed-circuit board. The regulator assembly requires a ± 25 -V dc input from the bulk power supply board (discussed later in this section) to create the ± 15 -V dc output.

Logic Module Assembly

All keyboard display terminal logic functions (basic and supplemental) are contained in the logic module card rack. The basic logic required to operate a keyboard display terminal includes a processor board (slot 09), a memory board (08), a refresh board (06), and a +5-V dc regulator (A03). Other slots in the card rack are reserved for other supplemental functions/features (see figure 4-3).

Processor Board

The processor board contains a microprocessor with an instruction repertoire of nearly 100 instructions. It also contains the logic necessary to support the functions of the microprocessor and to generate a regulated -5-V dc supply required on the board.

The microprocessor is an 8-bit-per-byte parallel type which uses off-board programstore (ROM) and operating memory (RAM). These are provided by the memory board discussed next. The processor adapts to the memory access time of these associated ROM and RAM circuits. It communicates with the higher-order processor via an on-board RS-232-C type interface. Other off-board, higher-order, interface modules may be added in the logic card rack to adapt this interface to other types of communication systems interfaces. Communications with lower-order devices, equipments, etc., are via the shared data/control bus and through appropriate off-board interface modules (located in the logic card rack). Once the processor

62962300 A 4-9

circuits are initiated to perform an operation, they are the controlling entity for such sequences, communications, calculations, etc., as are necessary to complete the particular operation. As such, they: 1) secure any needed information from the associated ROM program-store memory and execute such information, 2) use associated operating RAM as required (for temporary storage), and 3) request/accept/transmit I/O communications associated with the operation. The processor board has on-board operating controls/switches as follows: one Mark/Space Parity rocker switch, four High-Range Baud Rate switches, and four Low-Range Baud Rate switches. These baud rate switches allow selecting a high range and a low range I/O communication system rate. One of these two rates is in turn selectable by the HIGH RATE/300/LOW RATE switch on the display cabinet front panel. Baud rate range for both high and low is from 110 to 9600 baud. The use of the on-board switches is described in detail in the subsystem reference manual (see preface).

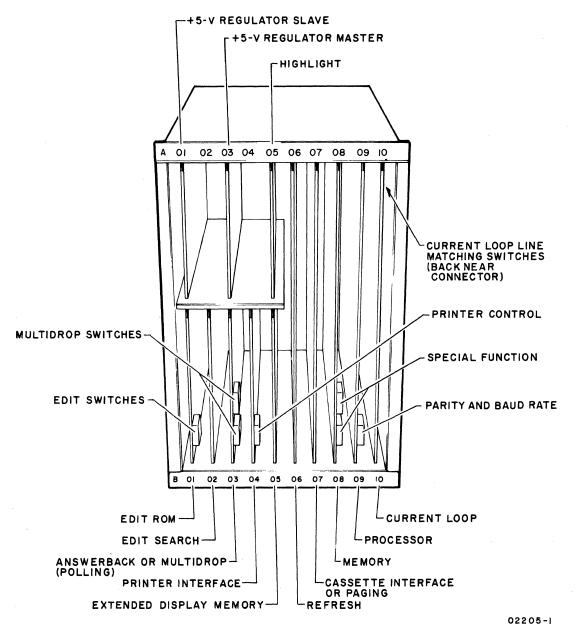


Figure 4-3. Logic Module Assembly/Card Rack

4-10

Memory Board

The memory board contains the read/write memory (RAM) required to hold incoming data for display on the crt. As many as 1028₁₀ 8-bit character codes can be stored for display, allowing 12 lines of characters (80 characters per line) to be displayed continually on the basic machine. This can be doubled by adding the extended memory board for a 24-line display (80 characters per line).

The memory board also contains read-only memory (ROM). ROM holds the control program which controls operation of the terminal functions. In this machine, the ROM program is electrically burned in and is called firmware.

Refresh Board

The refresh board contains the logic necessary to convert character codes received from random-access memory (RAM) into electrical pulses to create the correct dot pattern on the display for the various characters. Logic circuits lock the video signals into sync with the predefined display-line pattern. The board contains a variable resistor for frequency synchronization adjustment.*

+5-V dc Regulator Board (Master or Slave)

The +5-V dc regulator board maintains the logic voltage level required by most of the logic. It also provides the current which trips the circuit breaker when an overvoltage condition is detected.

Indicators on the board, when illuminated, indicate that various voltages are present. If the red LED indicator is on, current is in the +5-V circuits. If the yellow LED indicator is on, current is in the +23-V dc circuits. If the green LED indicator is on, current is in the -24-V dc circuits. (The +23-V dc and -24-V dc voltages originate on the bulk power supply board.) When more features and options are required, another +5-V dc regulator can be added, as a slave in the rack, to provide additional current capacity. Each +5-V dc regulator board will supply 10 amperes of current.

Extended Display Memory Board

This supplemental function board, which fits in the logic module, adds refresh RAM which accommodates an additional 12 lines of 80 characters over the basic (minimum) 12 lines of 80 characters provided by the RAM on the memory board described in a preceding paragraph. With the extended memory in place, total display capacity is 24 lines of 80 characters (1920 characters). The extended memory board has no on-board controls or switches.

62962300 B 4-11

^{*} This adjustment potentiometer is not used on series 04 units and up. A phase lock loop circuit is used instead.

Highlight Board

This supplemental function board for the logic module allows displaying any/all areas of the screen at reduced intensity and/or blinking between high and low intensity. Location and length of such highlighted areas are determined by delimiting codes stored at display character locations in refresh memory (RAM). These codes may be entered from either the keyboard, the tape cassette unit (if present), or the system interface. When entered, these codes appear as blanks on the display screen unless the CONTROL key is pressed. With the CONTROL key active, these codes appear and have the following meaning:

- S_O Begin reduced intensity and terminate blink (if active)
- S_I Terminate reduced intensity and/or blink
- E_B Begin blink field (if not contained in a reduced intensity field)

The highlight board has no on-board controls or switches.

Edit Search and Edit ROM Boards

These two boards operate together to add editing capability to the logic module. Use of these two boards requires that both extended memory and highlight boards are present in the module. With all four boards present in the logic module (edit search, edit ROM, extended memory, and highlight), the edit capabilities added to the terminal are as follows:

- X-Y positioning
- Character insert and delete
- Line insert and delete
- Fixed format (using FORMAT mode switch)
- Tab and backtab functions

The terminal subsystem operators guide and reference manual (see preface) describe in detail the use of the terminal for edit functions. Refer to those manuals for information regarding edit mode and protected field (format mode) operations. The edit boards have one on-board control/switch, which is the Wraparound Enable switch located on the edit ROM board. The use of this switch is described in the subsystem reference manual.

4-12

Answerback Board

Adding this board to the display logic module provides automatic identification (ID) of the terminal subsystem in response to either: 1) an ENQ code (005g) from the communication system, or 2) pressing the HERE IS key on the terminal keyboard. The ID code consists of a series of up to 21 7-bit, manually-programmable character codes which the terminal automatically transmits. The exact characters and number of them (up to 21) depend on the associated system requirements. Any data received by the terminal while transmitting the ID is ignored with the exception of a break condition. For a break, the answerback ID sequence aborts after transmitting the word in process. ID encoding occurs by pluggable-diode insertion/removal in a retention-socket matrix on the answerback board (see Checking/Setting Auto Answerback ID Code procedure in section 6 provided in volume 2). Answerback is not usable concurrently with the multidrop (polling) board in the display logic module.

The answerback board has a two-position toggle switch which, when ON, allows showing those selected ID characters, which are displayable, on the display screen for maintenance checking purposes. With this switch OFF, the ID code series transmits to the system I/O. Parity, baud rate, and I/O control are controlled by the basic logic module circuits. Keyboard lockout conditions of the basic (minimum) logic complement also apply to the HERE IS key used with the answerback function.

Multidrop (Polling) Board

This supplemental function board for the display logic module provides for a fixed message envelope and specific automatic status responses to specific inquires. The fixed message envelope is a certain sequence of characters (or a single character) which automatically enters the data stream immediately preceding and following the transfer of data entered by the terminal operator. In addition, multidrop allows special conditioning of the terminal so specific code sequences (or single codes) received from the communications system may initiate specific functions, expand the terminal capability, and even limit or negate features provided by the basic terminal. Any/all such terminal modifications are, furthermore, specifically designed to fulfill communications system requirements.

In particular, the multidrop circuits will make the terminal compatible with the Bell System 85A1 Selective Calling Service Stations user protocol. This protocol operates on multipoint data systems using half-duplex, private-line communications routes at data rates up to 9600 baud. Such a system has a customer-supplied line control unit (LCU) which controls all data I/O with the terminal. For details of the specific 85A1 message format which the multidrop circuits are compatible with, see the reference manual for this terminal subsystem (see preface). For operator control modifications caused by the multidrop board being in the display logic module, see the operators guide (see preface).

62962300 A 4-13

The multidrop board has eight on-board rocker switches which will enable/disable the following conditions: unblind on SOH, stop on SOH, stop on STX, stop on ETX, poll acknowledge, SIC response, test poll ready to send/receive, and switched carrier. In addition, the board has seven rocker switches which operate together to select one of 128 addresses for a common station code character (SCC) and station identity code (SIC). The use of each of these on-board switches is described in detail in the terminal subsystem reference manual (see preface).

Current Loop Board

Adding this board to the display logic module adapts the normal RS-232 modem type interface provided on the processor board to the requirements of a current loop type of system interface. Current loop type communications lines referred to here are those which use the presence/absence of current flow from a system battery to specify a serial stream of data. Such external system power must conform to the following:

- Open circuit system voltage 120-V dc maximum 10-V dc minimum
- System current (for marking condition) 60 milliamps maximum 20 milliamps minimum
- Voltage drop across transmitter 2-V dc maximum
- Voltage drop across receiver 2-V dc maximum

Loss of power at the local display terminal does not cause an open circuit condition in the system loop if the battery open-circuit voltages are held at a value greater than 10-V dc.

Word size, word format, parity, and baud rate of current loop communications are all under control of the local display terminal controlling circuits which use the current loop interface module for I/O communications.

The current loop interface module may not be used in a display terminal which is connected to a modem. Modem type I/O control signals in the host terminal using the current loop module are, by design of the current loop module circuits, tied off as follows:

- Request To Send connected to Clear To Send
- Data Terminal Ready connected to Data Set Ready and to Received Line Signal Detector

This module consists of electronic circuits which provide electrical isolation and signal conversion between low-voltage, RS-232-C/CCITT V.24 signal levels and the high-voltage, dc, unipolar* and bipolar* signal levels of current loop lines. In such a system, no current (unipolar) or reverse current (bipolar) specifies a spacing condition and current flow (unipolar) or forward current flow (bipolar) specifies a marking condition. The operating modes of the module include: unipolar half duplex, unipolar full duplex, and bipolar full duplex. Selection of one of the operating modes is made by setting the eight line-adapter rocker switches on the module (see the check/set procedure in section 6).

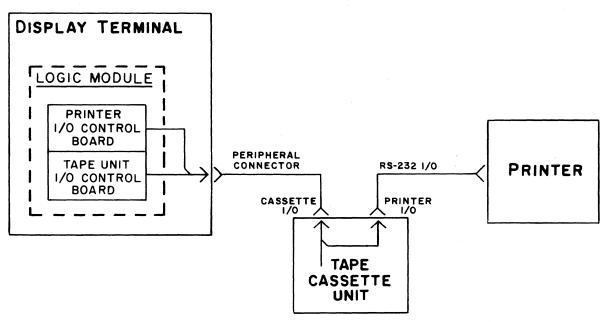
Printer Interface Control Board

Adding this supplemental function board to the display logic module allows using a receive-only printer as a peripheral in the terminal subsystem. The interface signals conform to RS-232-C and CCITT V.24 for the interface between a modem and remote terminal as applied to a receive-only device. Connection to the peripheral printer is through the PERIPHERAL CONNECTOR on the display rear panel, or if a tape cassette unit is part of the subsystem, connection is jumpered through the tape cassette connectors. Figure 4-4 illustrates how the printer interface control board fits in the subsystem and appendix A identifies the PERIPHERAL CONNECTOR pins put to use by this function in the subsystem. With a printer connected in the subsystem (see Nonimpact Printer and Impact Printer descriptions later in this section), several controls on the keyboard display take on special significance. The keys involved are: PRINT ON LINE, PRINT LOCAL, and PAGE PRINT. The terminal subsystem operators guide describes use of these keys and use of a printer when one is in the subsystem. The subsystem reference manual describes how the keyboard display terminal logic issues control and data codes via the printer control interface to operate a peripheral printer. Refer to these two manuals as necessary to understand printer operations.

The printer interface control board provides several on-board switches which set the peripheral printer's operating characteristics. These switches are: Autoprint Enable/Disable, four baud rate selection switches which allow selecting printer interface data flow rate from 110 baud to 9600 baud, Parity Enable/Inhibit, and Even/Odd Parity Selection. The use of each of these switches is described in the subsystem reference manual. Refer to Nonimpact Printer or Impact Printer theory of operation descriptions later in this section for information on either of the receive-only character printers which may be attached in the subsystem and run from this printer interface control board.

62962300 C 4-15

^{*} Unipolar and bipolar are terms which identify different types of current loop systems. Such systems are illustrated in figures following in Checking/Setting Current Loop Line-Adapter Switches procedure in section 6.



NOTE: MAXIMUM SUBSYSTEM SHOWN. IF EITHER THE TAPE UNIT OR PRINTER IS ABSENT, ONLY ONE CABLE IS REQUIRED (E.G., TO PRINTER RS-232 I/O DIRECT OR TO CASSETTE I/O DIRECT.)

02221

Figure 4-4. Subsystem Peripheral Interface

Tape Cassette Unit Interface Control Board

With this supplemental function board in the display logic module, a tape cassette unit may be used as a peripheral in the terminal subsystem. The interface control board contains 2K of instructions in ROM which control tape unit operation. The board also has 1K of RAM which acts as a buffer for 128 character records of data to/from the tape unit. The interface uses the secondary RS-232-C and CCITT V.24 signals left over on the PERIPHERAL CONNECTOR after those assigned for printer use. Figure 4-4 shows how the tape cassette unit interface control board fits the subsystem and appendix A identifies the PERIPHERAL CONNECTOR pins put to use by this function in the subsystem. With a tape cassette unit connected in the subsystem (see Tape Cassette Unit description later in this section), several controls on the keyboard display take on special significance. The keys involved are: READ TAPE, TAPE BACK SKIP, and TAPE SRCH. The terminal subsystem operators guide describes use of these keys and use of a tape cassette unit in the subsystem. The subsystem reference manual describes how the keyboard display terminal logic issues control and data codes and receives status and data codes via the tape cassette unit interface control to operate a peripheral tape cassette unit. Refer to these two manuals as necessary to understand tape unit operations.

The tape unit interface control board contains one on-board control/switch: Enable/Disable Device Control Code. The use of this switch is described in the subsystem reference manual.

4-16

Refer to Tape Cassette Unit theory of operation in this section for information on how the tape cassette unit interface control board circuits operate together with a tape cassette (either single- or dual-drive unit).

Paging Board

The paging board operates together with the extended memory board to provide refresh RAM for two additional 1920-character pages (display screen filled with 24 lines of 80 characters per line). With paging and extended memory present in the logic module, the online (communications system) or local (operator use) paging capabilities added to the terminal are as follows:

- Flip display to next page (page one to page two or page two to page three).
- Initialize displayed page to page one.

Figure 4-5 illustrates paging theory of operation.

The paging board has no on-board controls or switches.

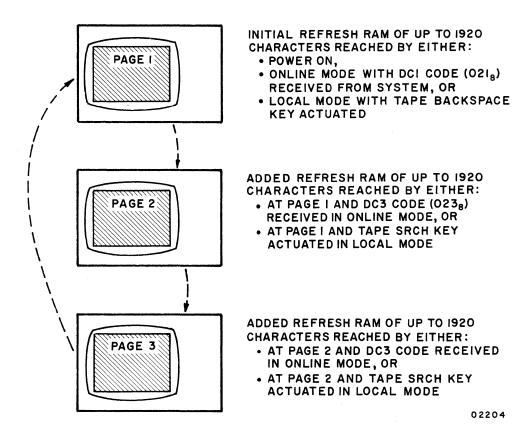


Figure 4-5. Illustration of Paging Theory

Logic Module/Modem Interface Adapters

Adapter cables are available which allow the modem interface to be interconnected with RS-232-C/CCITT V.24 compatible devices other than a modem. These devices may be an acoustic coupler or another display terminal (or other comparable device) which is within 50 feet (15.24 meters) of the host display terminal.

Most of the adapter cables are 18 inches (45.72 centimeters) long and are designed to be inserted between the external data set cable furnished with the host display terminal and the host display terminal's data set connector. The data set connector is mounted on the connector panel located at the rear of the terminal.

The pin assignments of the data set connector are listed in the Communications Line Signals table, of Appendix A. With a modem interconnection, the data set cable is plugged directly into the data set connector and all the interface signal connections listed in the table are connected between the terminal and modem on a one-to-one basis.

With the modem interface adapter interconnections, some of the interface signal connections are altered/deleted by the corresponding adapter cable. A list of these interconnections follows:

- Bell Data Set Model 113A interconnection-adapter cable (part number 61407806) makes all connections of the interface signals (as listed in the Communications Line Signals table, Appendix A) except for pins 8 and 20 that connect Data Set Ready to the Carrier On signal.
- Anderson Jacobson Acoustic Coupler, Model ADAC 1200 Interconnection-adapter cable (part number 61407807) will connect all interface signals (as shown in the Communications Line Signals table, Appendix A) except pins 11 and 19 that connect Secondary Request to Send signal.

4-18 62962300 C

- Anderson Jacobson Acoustic Coupler Model ADAC 242 Interconnectionadapter cable (part number 61407808) is used and all the interface signal connections in the Communications Line Signals table, Appendix A are resultantly connected, except for pin 23 which is left open.
- Direct back-to-back interconnection with another display terminal or comparable device that requires a switched Receive Line signal detector (Carrier On signal) — adapter cable (part number 61407809) is used and the interface signals result in being connected as shown in part A of figure 4-5.1.
- Direct back-to-back interconnection with another display terminal or comparable device that requires a constant Carrier On signal-adapter cable (part number 61407810) is used and the interface signals are connected as shown in part B of figure 4-5.1.
- Female to male converter interconnection-adapter cable (part number 61407811) uses a Reversed Pin signal configuration and requires a data set cable (part number 61407832/41) for hookups in Great Britain.
- 1743-2 Interface interconnection-adapter cable (part number 61407812) uses five signal paths to adapt the 755 Printer to the 1743-2 System.
 The adapter cable connects between the 755 Printer and the 1743-2 Controller.

Refer to Section 7 of this manual for more information on the adapter cables. Section 7 contains parts data, spare parts lists, the adapter cables matrix and wire lists.

10. *		PIN
	PROTECTIVE GROUND	_ 1
TRANSMIT DATA	TRANSMIT DATA	_ 2
RECEIVE DATA	RECEIVE DATA	_ 3
RTS	RTS	_ 4
стѕ	стѕ	_ 5
DSR	DSR	- 6
SIGNAL GROUND	SIGNAL GROUND	_ 7
<u>co</u>	co	. 8
DTR	DTR	20
SRTS	SRTS	_ 19
sco	sco	12

PART B

PIN NO	<u>)*</u>		<u>P</u>	'IN
1		PROTECTIVE GROUND		1
2	TRANSMIT DATA		TRANSMIT DATA	2
3	RECEIVE DATA	X	RECEIVE DATA	3
4	RTS		RTS	4
5	CTS		CTS	5
6	DSR		DSR	6
7		SIGNAL GROUND		7
8	со		со	8
20	DTR		DTR	20

*ALL OTHER PINS (REFER TO THE COMMUNICATIONS LINE SIGNALS TABLE IN APPENDIX A) PIN TO PIN

02718-1

Figure 4-5.1. Interface Connection Routing of Back-to-Back Adapter Cables

Power Supply

The power supply in the display terminal is truly modular in that each stage is replaceable without disturbing other stages. The primary supply is the bulk power supply board (figure 4-6) which generates all basic (low) voltages from the ac voltage received from the ac entry transformer. The power supply also includes the +5-V dc regulator card in the logic card rack (see previous discussion), and a number of individual voltage regulators. Individual voltage regulators used for special purposes include the +5-volt regulator on the video (monitor) printed-circuit board and the -5-volt regulator on the processor board.

The following power supply components are replaceable individually:

- Bulk power supply board
- AC entry transformer
- AC entry panel
- +5-V dc regulator board

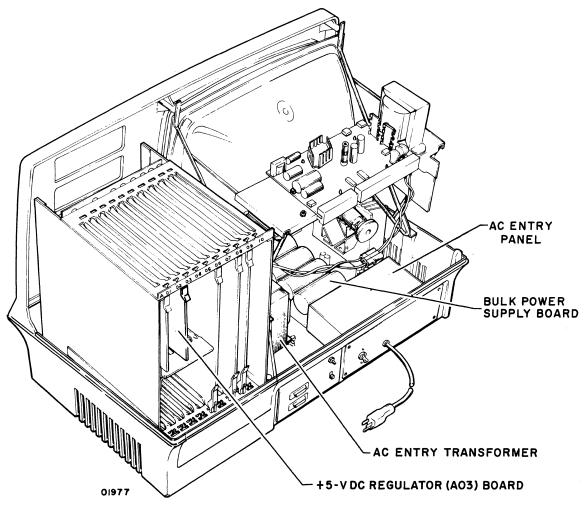
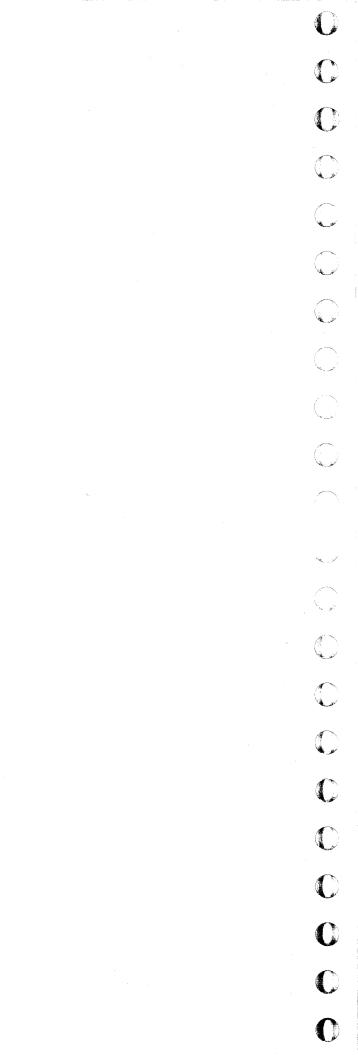


Figure 4-6. Power Supply Components



Bulk Power Supply Board

The bulk power supply board provides -9-V dc, +12-V dc, -12-V dc, +23-V dc, and -24-V dc to the logic module and video monitor.

There are three indicator lights on the bulk power supply board which light when the three basic voltages are present (lights do not indicate correct voltage levels). If two green lights illuminate, -9-V dc and -12-V dc are present. If the yellow indicator illuminates, +12-V dc is present. For more detailed description and illustration, refer to section 6 in volume 2.

AC Entry Transformer

The ac entry transformer receives ac input voltage from the ac entry panel on its primary windings and provides the required ac voltages to the bulk power supply board.

AC Entry Panel

The ac entry panel contains the circuit breaker and the ac entry power cord. When the power cord or circuit breaker is faulty, the entire unit (box) is replaced. On 50-Hz versions, the panel includes a switch which places input power on different primary windings of the ac entry transformer, depending on whether the 50-Hz input voltage is normal (216- to 268-V ac) or low (198- to 246-V ac).

+5-V dc Regulator Board

The +5-V dc regulator board is a module in the logic module assembly (see previous paragraph entitled Logic Module Assembly).

Miscellaneous Components

The following components are a part of the display terminal in addition to the modules and subassemblies already described (keyboard, video, logic, and power supply assemblies). All are replaceable components.

- TEST mode switch
- MASTER CLEAR switch
- Switches and indicator panel
- INTENSITY knob
- Audible alarm

62962300 A 4–19

NONIMPACT PRINTER

The nonimpact printer is a serial-input, RS-232-C-compatible, thermal printing device capable of printing at speeds up to 30 characters per second. A single printhead, containing a 5- by 7-dot matrix, is used to print one character at a time over an 80-character print line. Characters are formed by bringing the printhead into contact with heat-sensitive paper and heating selected elements of the matrix. The printer is capable of performing the following operations in response to input data commands.

- Character Print The printhead is moved down to contact the paper and selected printhead elements are heated. After printing, the head is raised from the paper and moved to the next column.
- Backspace The printhead is moved one column to the left.
- Line Feed The paper is advanced one or two lines, depending upon the setting of the Space switch.
- Carriage Return The printhead is returned to the first column. Anytime that the printhead attempts to move past column 80, an automatic carriage return and line feed operation is performed.

The interface connectors, power connectors, fuse holder wiring, and internal cable routing for the nonimpact printer are identified in figure 4-7. The replaceable power supply is shown in proper relationship to the connectors in/near the printer cabinet rear panel. Likewise, the connectors and cables are shown in their proper locations. For the input power requirements, see Specifications in section 1. For the pin assignments of the RS-232-C interface connector, see appendix A. The J5 connector shown is not normally used by the printer in this subsystem.

Since this printer does not contain many complex subassemblies, the information provided on it in section 1, General Description, suffices to identify the major subassemblies. And since the maintenance philosophy for the power supply contained in the printer is to replace it entirely upon failure, its theory is not required here. It is sufficient to note that the four regulated voltages provided by the power supply for use by the printer circuits are required to be within ±5% of their nominal +5-V dc, +16-V dc, +24-V dc, and -24-V dc. This leaves only the theory of operation for the interface and control logic boards and the electromechanical printer mechanism for discussion. The following paragraphs cover this remaining area of the nonimpact printer with detailed operating theory descriptions.

The major functional components of the printer mechanism are identified in figure 4-8. Refer back to this figure to locate the various functional portions of the mechanism as they are mentioned in the operational descriptions contained in the following paragraphs.

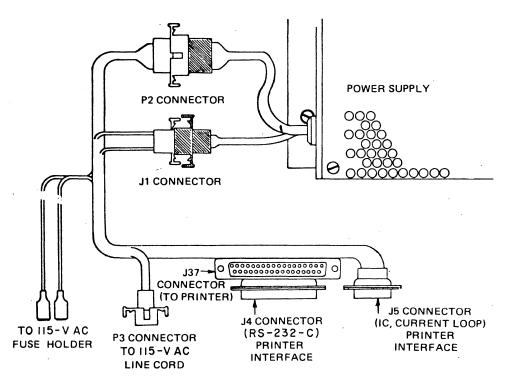


Figure 4-7. Wiring Harness Connections

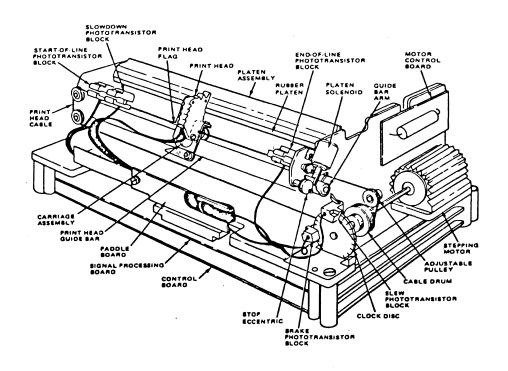


Figure 4-8. Printer Components

The print mechanism and its electronics, power supply, and paper roll holder are enclosed as a stand-alone tabletop unit.

The printer character set consists of a modified ANSI 96-character set as shown in appendix B of this manual.

A block diagram of the printer is shown in figure 4-9. Serial input data is fed to a serial-to-parallel converter. When the stop bit for the character being transmitted is received, the data is shifted in parallel format to the decoder-encoder and a Start pulse is sent to the command logic. Parity is checked during the stop bit time. If a parity error is detected, an error code is shifted in parallel format to the decoder-encoder and a Start pulse is sent to the command logic. After generation of the Start pulse, the command logic sets flip-flops in accordance with information from the decoder-encoder. The states of the flip-flops in the command logic control the type of operation performed by the printer. The Busy Output line rises true when an operation is started and remains true for 31 to 32 milliseconds.

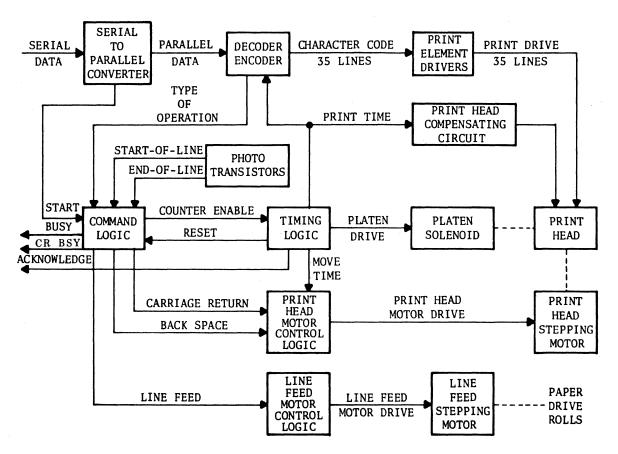


Figure 4-9. Nonimpact Printer Block Diagram

If the requested operation is a character print, a counter in the timing logic is enabled. The counter generates signals to control the operation timing. For a character print operation, the timing logic first generates a Platen Drive signal to energize the platen solenoid. This starts the printhead moving down toward the paper. See figure 4-10 for a timing diagram of a character print operation.

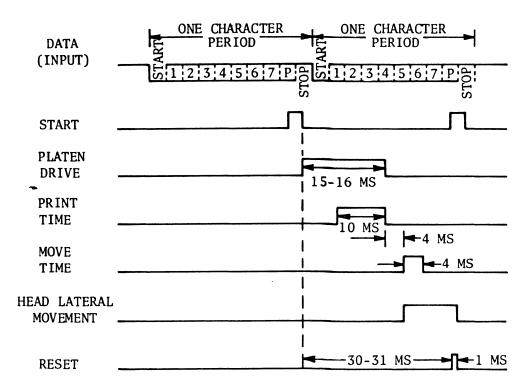


Figure 4-10. Nonimpact Printer Character Print Timing

When the printhead reaches the paper, the timing logic turns on the Print Time line. With Print Time true, the decoder-encoder and print element drivers are enabled. Also, with Print Time true, the printhead compensating circuit is energized to complete the printhead element circuit. This circuit controls the time that the printhead elements are heated in proportion to temperature and printing speed. The elements in the printhead representing the desired character are then heated to cause printing. After printing has occurred, the Print Time and Platen Drive signals are terminated by the timing logic and the printhead is removed from the paper by spring action of the platen solenoid. The timing logic drops the Output Acknowledge line false at this time to indicate to the external controller that printing has occurred and the data may be removed from the input lines.

As the printhead is returning to its upright position, the timing logic generates a Move Time pulse. When the Move Time pulse is received by the motor control logic, the appropriate winding of the printhead stepping motor is energized to move the printhead to the next column position. When the operation has been completed, the timing logic sends a Reset pulse to the command logic. This resets the flip-flops in preparation for the next operation and drops the Busy line false.

For a backspace operation, the timing logic performs in the same manner as for a character print. However, printing will not occur since the backspace code will not cause any of the printhead elements to be heated. When the command logic senses a backspace operation, the Backspace line to the motor control logic goes true. Therefore, when the Move Time pulse is received from the timing logic, the appropriate stepping motor winding will be energized to step the printhead one column to the left.

The counter in the timing logic is also enabled for a line feed operation. A line feed operation is initiated if a line feed code is present on the parallel input lines when a Start pulse is received. Also, an automatic line feed operation is initiated if the printhead attempts to move past column 80. The outputs from the timing logic, with the exception of reset and acknowledge, are inhibited during a line feed operation. This prevents printhead movement. When a line feed operation is initiated, the line feed term to the motor control logic goes true. The motor control logic then generates signals to energize the line feed stepping motor windings in sequence to turn the paper drive rolls. The paper will be advanced one or two lines depending upon the setting of the Space switch. See figure 4-11 for a timing diagram of a line feed operation.

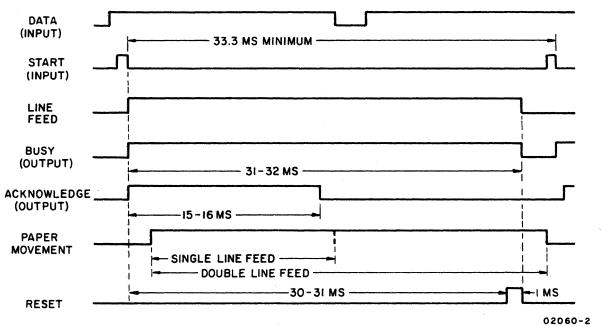


Figure 4-11. Nonimpact Printer Line Feed Operation Timing

If a carriage return code is decoded from the data input lines and a Start pulse is received, the printhead will be returned to column one. The command logic sends a Carriage Return signal to the printhead motor control logic which generates Motor Drive signals to return the printhead to column one. The timing logic is not enabled for this operation. When the printhead reaches column one, a start-of-line photo-transistor signals the command logic, and the Carriage Return line to the motor control logic is dropped false. The Output Busy line, however, is held true by a one-shot in the command logic for a period sufficient to ensure that the printhead is stable and ready for a print operation. See figure 4-12 for a timing diagram of the carriage return operation.

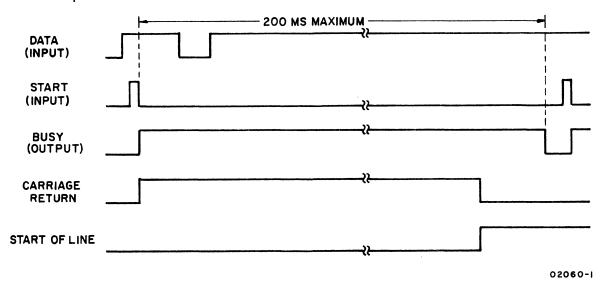


Figure 4-12. Nonimpact Printer Carriage Return Operation Timing

IMPACT PRINTER

The impact printer reference and field service manual (see preface for publication number) contains theory of operation for the impact printer. Since that publication is intended to be a companion manual to this one at a customer site, this manual provides no further theory of operation description beyond that in section 1, General Description.

TAPE CASSETTE UNIT

The tape cassette unit operates as an information storage and retrieval peripheral in the terminal subsystem. It operates under the direction of the keyboard display terminal which has the tape cassette unit interface control board installed in its logic module. The interface control board contains the tape unit control program stored in 2 K of on-board ROM, and it also provides 1 K of RAM to act as the buffer for tape unit data. The keyboard display terminal, with the tape interface board installed, directs reading from or writing to the tape cassette unit of records consisting of 128 characters.

62962300 F

The interface connectors, power connectors, and internal cable routing for the tape cassette unit are identified in figures 4–13, 4–14, and 4–15. For the input power requirements, see Specifications in section 1. For the pin assignments of the interface connectors, see appendix A. The connector labeled CASSETTE I/O connects with the controlling keyboard display and carries all peripheral interface signals for both the tape cassette unit and a receive—only printer which may be part of the subsystem. The printer signals are the primary RS-232 level interface lines and daisy—chain right on through the tape unit cabinet via the PRINTER I/O connector. The tape unit signals are carried on the secondary RS-232 level interface lines and enter the tape unit logic.

NOTE

When the tape cassette option is installed, the Batch Mode switch is made disabled.

Since this tape cassette unit does not contain many complex subassemblies, the information provided on it in section 1, General Description, suffices to identify the major subassemblies. And since the maintenance philosophy for the power supply contained in the tape unit is to replace it entirely upon nonadjustable failure, its theory is not required here. It is sufficient to note that the three regulated voltages provided by the power supply for use by the tape unit circuits are required to be within $\pm 5\%$ of their nominal ± 5 -V dc, ± 12 -V dc, and ± 12 -V dc. This leaves only the theory of operation for the logic chassis circuits and the electromechanical tape drive(s) for discussion. The following paragraphs cover this remaining area of the tape cassette unit with detailed operating theory descriptions.

Figure 4-16 identifies the major functional components of the tape unit interior. Figure 4-17 is a functional block diagram of the unit. Refer to these figures to locate the various functional portions of the unit as they are mentioned in the operational descriptions contained in the following paragraphs.

The tape cassette unit may house either one or two tape drive devices. Each drive will handle one standard, computer-grade, digital-data, tape cassette cartridge of the Philips type. Such cassettes must be compatible with ANSI X 3B1/638 and have BOT and EOT pierced holes. Bit transfer rate to and from tape is 5855 bits per second. The maximum interface speed for continuous data is 1200 baud. Within a record, the interface rate may exceed 1200 baud (up to 9600 baud) if dead time is provided such that the physical record transfer rate is at 1200 baud. Capacity to record on a cassette tape is variable depending on record length. However, for this tape unit as used in this subsystem, a typical example is 1200 records per track (tape side) with 128 characters per record and 11 bits per character. Recording density by the dual-gap, single-track head (and read/write electronics) is 1560 flux reversals per inch (780 bits per inch by the phase-encoding method). Each character on tape

4-26

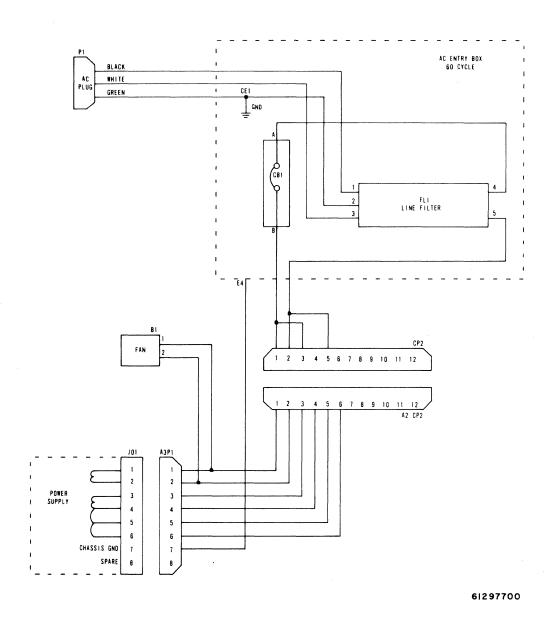


Figure 4-13. Tape Cassette Unit AC Interconnection Diagram

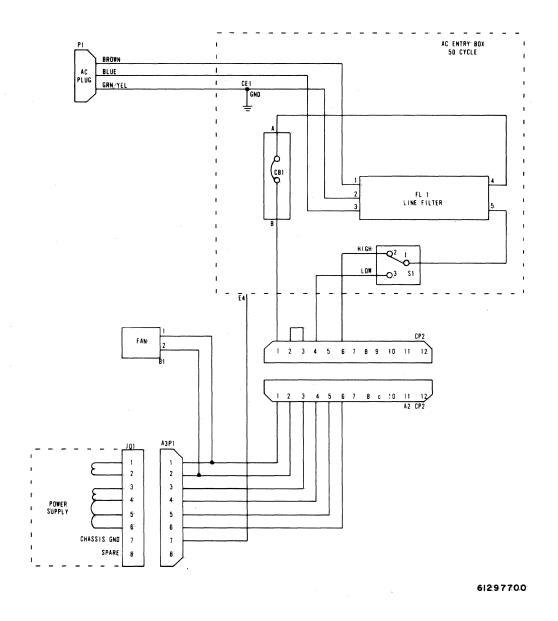


Figure 4-13. Tape Cassette Unit AC Interconnection Diagram (Contd)

POWER SUPPLY A3PO3 CABLE W3 OR W6*	SIGNAL Identification	TAPE DRIVE	OPERATOR Panel
1	DRIVE #1 +5 VOLTS	ABP4-20	
1	DRIVE #1 +5 VOLTS	A8P4-22	
2	DRIVE #2 +5 VOLTS	A9P4-20	
2	DRIVE #2 +5 VOLTS	A9P4-22	
6	DRIVE #1 +12 VOLTS	A8P4-23	
6	DRIVE #1 +12 VOLTS	A8P4-24	
7	DRIVE #2 +12 VOLTS	A9P4-23	
7	DRIVE #2 +12 VOLTS	A9P4-24	
8	DRIVE #1 -12 VOLTS	ABP4-13	
9	DRIVE #2 -12 VOLTS	A9P4-13	
10	DRIVE #1 GROUND	A8P4-11	
10	DRIVE #1 GROUND	A8P4-12	
11	DRIVE #2 GROUND	A9P4-11	
11	DRIVE #2 GROUND	A9P4-12	
12	UNIT #2 SWITCH GROUND		55-1,54-1,56-1
12	UNIT #2 POWER ON INDICATOR		A4L6

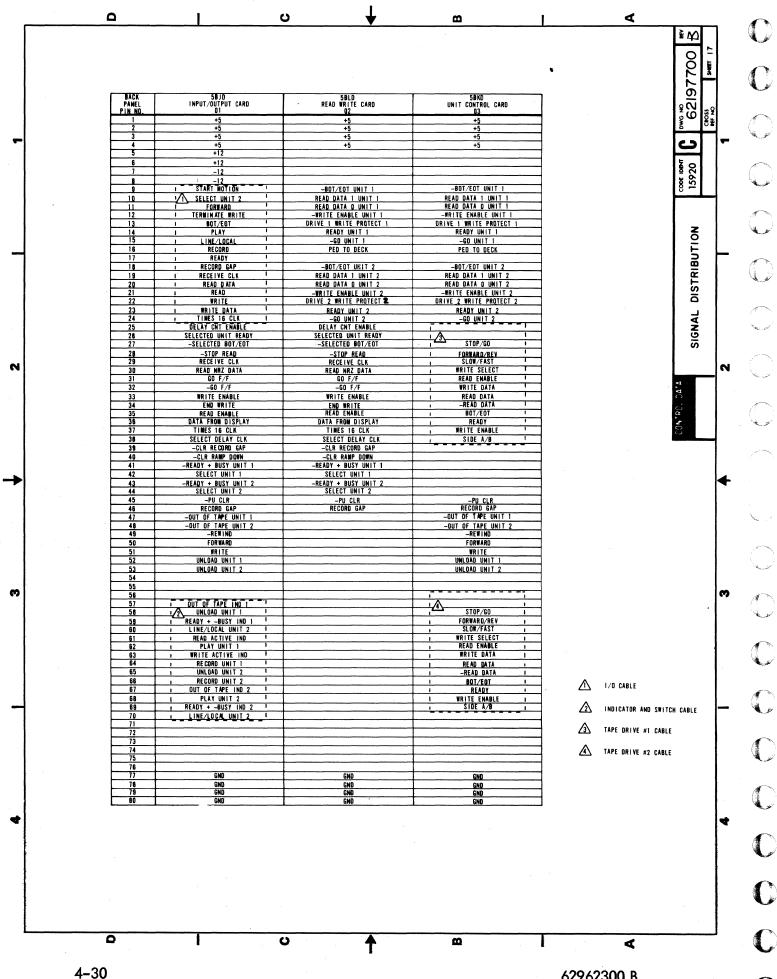
*NOTE IF CABLE WG. SINGLE DRIVE IS USED ALL A9P4 AND S5-1, S4-1, S6-1 CONNECTORS ARE OMITTED.

SIGNAL Identification	LOGIC Chassis	OPERATOR Panel
+5 VOLTS	A1E1	
LED +5V		A4L9
+12 VOLTS	A1A5-6	
-12 VOLTS	A1 A5-8	
GROUND	A1E2	
UNIT : POWER ON INDICATOR		A4L7
UNIT 1 SWITCH GROUND		\$2-1,\$1-1,\$3-1
LOGIC TO FRAME GROUND	AZE4	
	IDENTIFICATION +5 VOLTS LED +5V +12 VOLTS -12 VOLTS GROUND UNIT : POWER ON INDICATOR UNIT : SWITCH GROUND	IDENTIFICATION

61297700

Figure 4-14. Tape Cassette Unit DC Interconnection Diagram

62962300 A



62962300 B

I O CABLE PIO CABLE WI	SIGNAL IDENTIFICATION	BACK PLANE A1A5J1
1	FRAME GROUND	
2	PLAY	01-14
3		
4		
5	BOT EOT	01-13
6		
7	DC GROUND	
8		
9	LINE/LOCAL	01-15
10		
11	RECEIVE CLK	01-19
12	READY	01-17
13	RECORD GAP	01-18
14	WRITE	01-22
15	WRITE DATA	01-23
16	START MOTION	01-9
1.7	FORWARD	01-11
18	TERMINATE WRITE	01-12
19		
20		
21	READ	01-21
22	SELECT UNIT 2	01-10
23	TIMES 16 CLK	01-24
24	READ DATA	01-20
25	RECORD	01-16

TAPE DRIVE #1 ABO4 CABLE WG OR W3	SIGNAL IDENTIFICATION	BACK PLANE A1A7J1
1	CONNECTED TO ABP4-14	
2	WRITE DATA	03-32
3		
4	BOT EOT	03-35
5	READY	03-36
6	SLOW: FAST	03-29
7	READ ENABLE	03-31
8		
9	-READ DATA	03-34
10		
11	GROUND	
12	GROUND	
13	-12	
14	CONNECTED TO A8P4-1	
15	WRITE ENABLE	03-37
16	SIDE A B	03-38
17	WRITE SELECT	03-30
18	STOP GO	03-27
19	FORWARD REV	03-28
20	+5	
21	READ DATA	03-33
22	+5	
23	+12	

TAPE DRIVE #2 A9P4 CABLE W3	SIGNAL IDENTIFICATION	BACK PLANE A1A7P2
1	- CONNECTED TO A9P4-14	
2	WRITE DATA	03-63
3		
4	BOT/EOT	03-66
5	READY	03-67
6	SLOW/FAST	03-60
7	READ ENABLE	03-62
8		
9	-READ DATA	03-65
10		
11	GROUND	
12	GROUND	
13	-12	
14	CONNECTED TO A9P4-1	
15	WRITE ENABLE	03-68
16	SIDE A/B	03-69
17	WRITE SELECT	03-61
18	STOP/GO	03-58
18	FORWAR D/REV	03-59
20	+5	
21	READ DATA	03-64
22	+5	
23	+12	

61297700

Figure 4–15. Signal Interconnection Diagram (Contd)

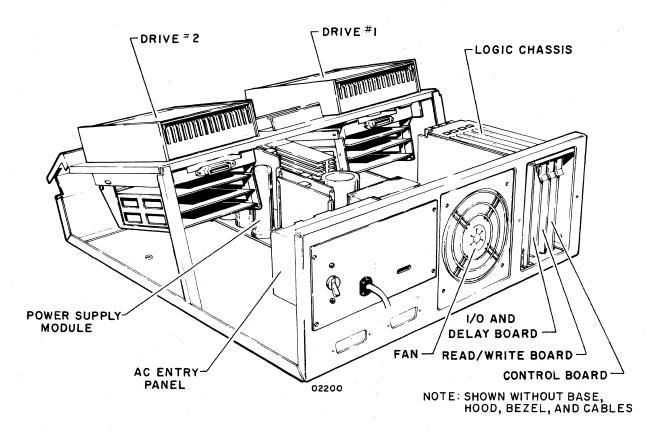


Figure 4-16. Tape Cassette Unit Components

consists of 11 bits as follows: start bit, 8 data bits with the least significant being first, parity bit, and stop bit. The start bit is written as a 0 (space) and a stop bit is written as a 1 (mark). The parity bit is either a 1 or a 0 so that when it is added to the 8 data bits an even number of 1 bits is obtained (even parity). The sequence of 11-bit characters written in any 128-character record is written from start to finish in the normal left-to-right fashion. The recording method used automatically provides an erase for the first record at the beginning of the tape and during all interrecord gaps.

A 0 bit on tape is defined as a flux transition to opposite polarity from that of the interrecord gap when reading in the forward direction. A 1 bit is defined as a flux transition to the polarity of the interrecord gap.

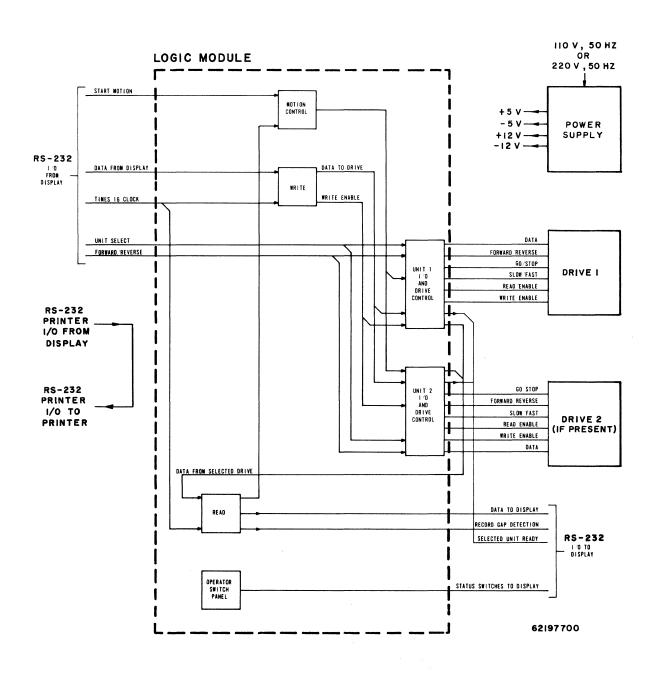


Figure 4-17. Tape Cassette Unit Block Diagram

The tape cassette unit is capable of performing the following operations in response to commands received from the keyboard display terminal:

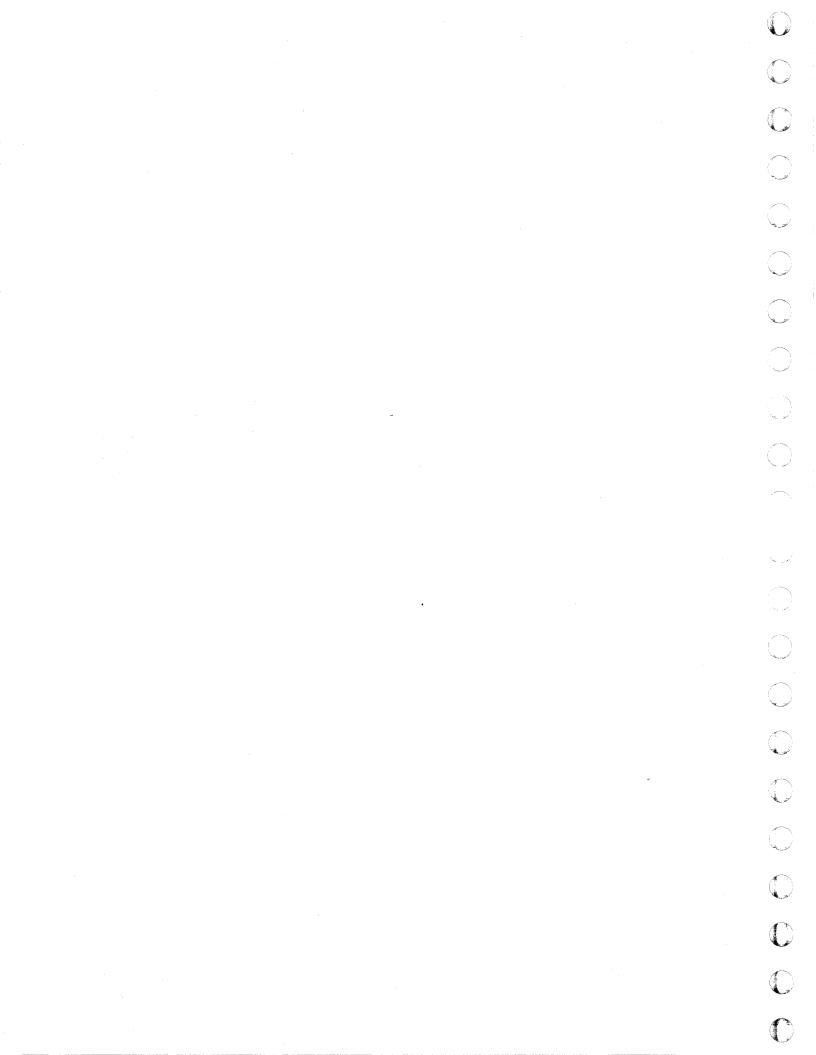
- Rewind Firmware initiated. On the selected drive, tape is moved reverse at high speed (50 inches per second) to clear leader, then forward at slow speed (7.5 inches per second) to BOT hole. Maximum rewind time for a standard 300-foot (91.2-meter) tape is 70 seconds.
- Read On the selected drive, tape is moved forward at slow speed and 11-bit characters are sequentially read (1 bit at a time) and sent to the buffer in the tape interface control circuits in the keyboard display logic rack. Those circuits (and their firmware program) assemble the data into 8-bit data bytes, check the character parity and stop bits, and issue error conditions for display on the screen. This process continues for all 128 characters in a record.
- Write On the selected drive, tape is moved forward at slow speed and data from the buffer in the tape interface control circuit in the key-board display logic module is serialized out, one bit at a time, and written on tape. Of course, each 8-bit data byte serialized out is preceded on tape by a start bit and followed by a parity bit and a stop bit when actually written. This process continues until all 128 characters of the record are written out from the buffer in the display. At that time, the tape drive writes the record gap and stops. After the first few characters of any record are written, the read portion of the read/write head starts reading the characters just written. This read- after-write data returns to the cassette interface control board in the display for parity and framing error checking.
- Search On the selected drive, tape is moved either forward or reverse while the read mode is active. Read forward will produce data, but reverse read will not. On reverse read for search, record gaps only are recognized. It is the duty of the firmware and circuits on the cassette interface control board in the display to count record gaps and/or keep track of headers to know where the tape is.
- Erase On the selected drive, tape is written on with an extended record gap (one, or marking level) for approximately 6.5 inches (16.5 cm). Erase is not possible on a tape which is write protected (plug/tab removed). It may be ordered by the display cassette interface control circuits for a bad area of tape. Is always ordered just prior to the first record on a tape.

The tape cassette unit is capable of performing the following operations in response to operator actions taken at the tape cassette unit cabinet only (not those which result from using keyboard display keys/switches):

- Rewind When an operator opens and subsequently closes the cover on a tape drive, the drive will automatically (provided power is on and the I/O cable is connected to the keyboard display which also has power on) rewind to clear leader at high speed. It will then advance to BOT hole at slow speed and stop.
- Unload When an operator presses the UNLOAD switch below a drive, the drive will automatically (provided power is on and the I/O cable is connected to the keyboard display which also has power on) rewind to clear leader at high speed and stop.

A photocell in the tape drive unit recognizes the BOT hole in tape and causes a BOT/EOT status along with a ready status. The firmware in the tape cassette interface control circuits in the display must issue the command to write an erase gap on the first write when positioned at BOT.

A photocell in the tape drive unit recognizes the EOT hole in tape and causes a BOT/EOT status. This will occur for a read, a write, or an erase operation. The Philips type cassette used by the drive has about 13 inches (33.02 cm) of usable tape past the EOT hole. There are no hardware limitations in the tape cassette unit to prevent reading or writing past the EOT hole. It is possible, therefore, to run tape past EOT and up to clear leader. At clear leader, ready status will end, tape motion will stop, and the TAPE OUT indicator on the tape unit front panel will light.



This section contains power and signal distribution diagrams for the keyboard display terminal and tape cassette unit portions of the terminal subsystem. Figure 5-1 is a cabling decal diagram for the keyboard display terminal. Figure 5-2 is the card placement chart diagram for the logic module rack in the keyboard display.

For cabling diagrams on either the nonimpact or impact character printer, refer to the maintenance manual for the particular printer. These are the Nonimpact Printer Hardware Maintenance Manual and the Matrix Printer Reference and Field Service Manual (see preface for publication numbers).

The following power and signal distribution diagrams appear on pages within this section as follows:

Keyboard Display Diagram	Page
AC Power Distribution Diagram 60 Hz AC Power Distribution Diagram 50 Hz Signal Distribution Diagram (2 sheets) Schematic Diagram, Video Display Schematic Diagram, Video Display Schematic Diagram, P.S. Filter & -9V Schematic Diagram, +5 V & 10A	5-4 5-5 5-6 5-8 5-10 5-12 5-13
Tape Cassette Unit Diagram	
Signal Distribution Diagram DC Power Distribution Diagram AC Power Distribution Diagram 60. Hz AC Power Distribution Diagram 50 Hz	5-14 5-16 5-17 5-18

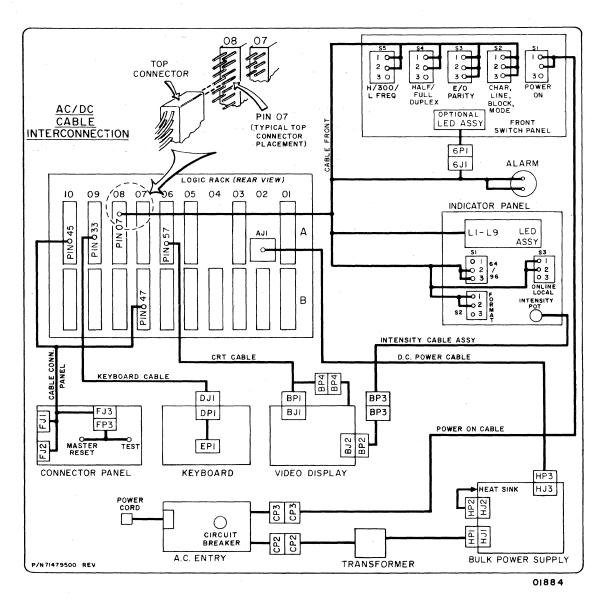
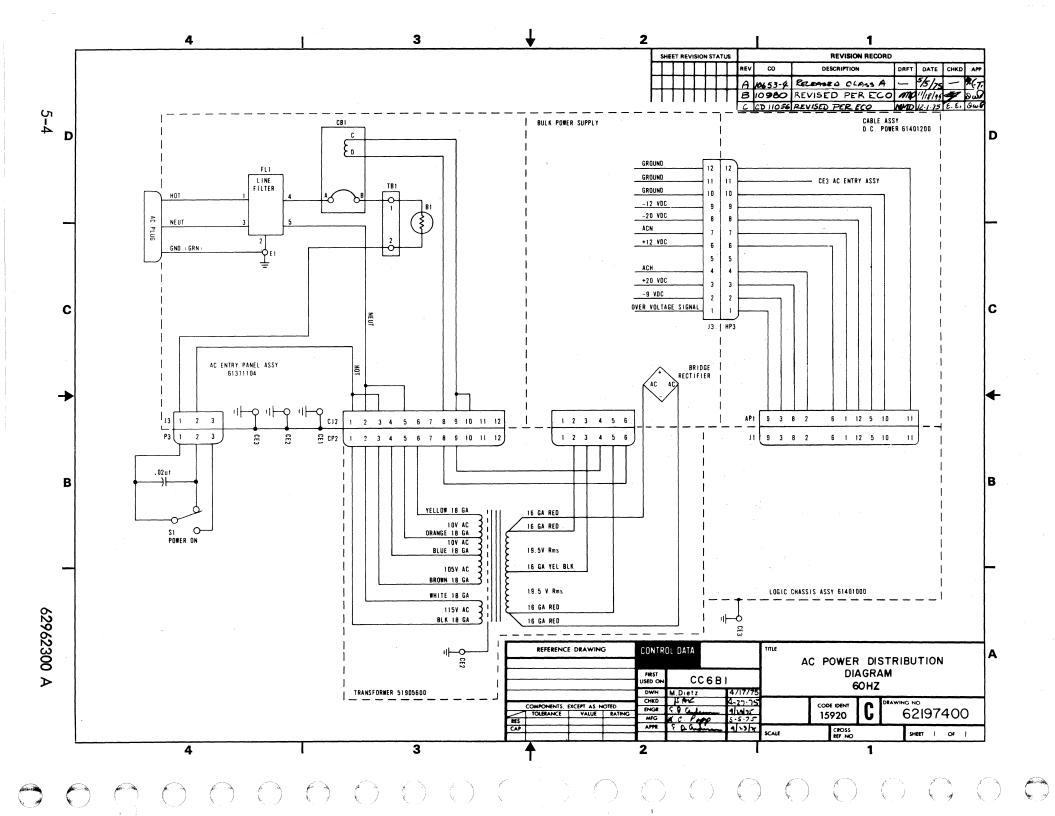
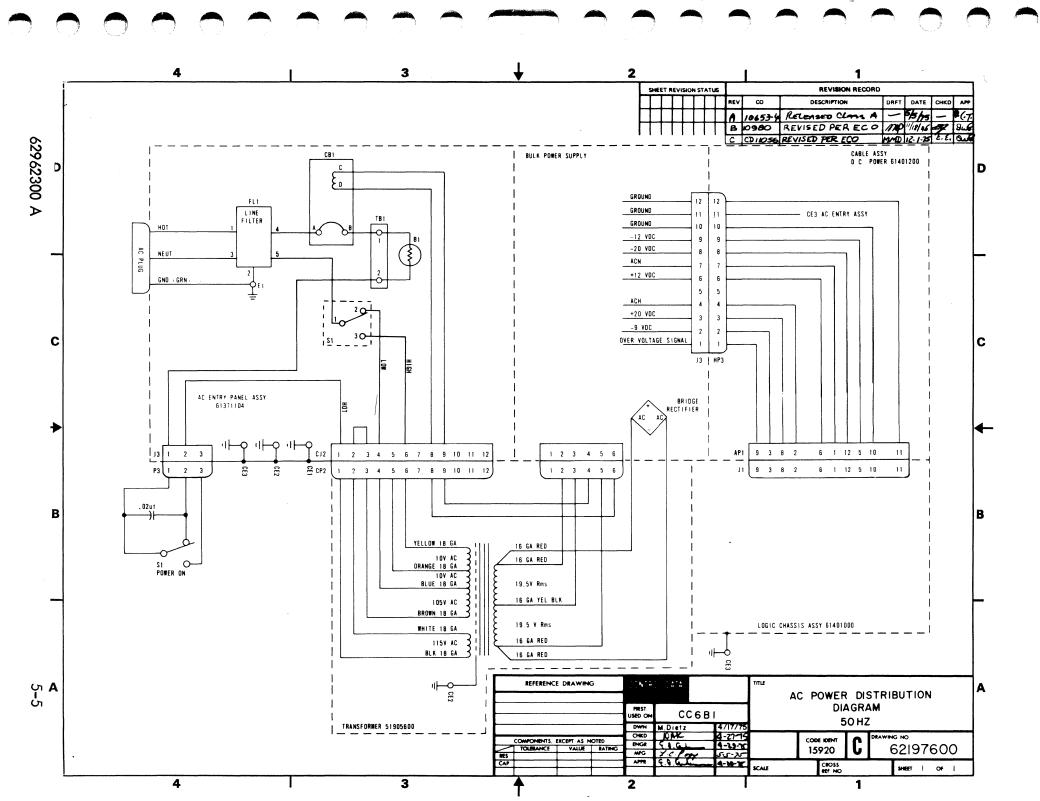


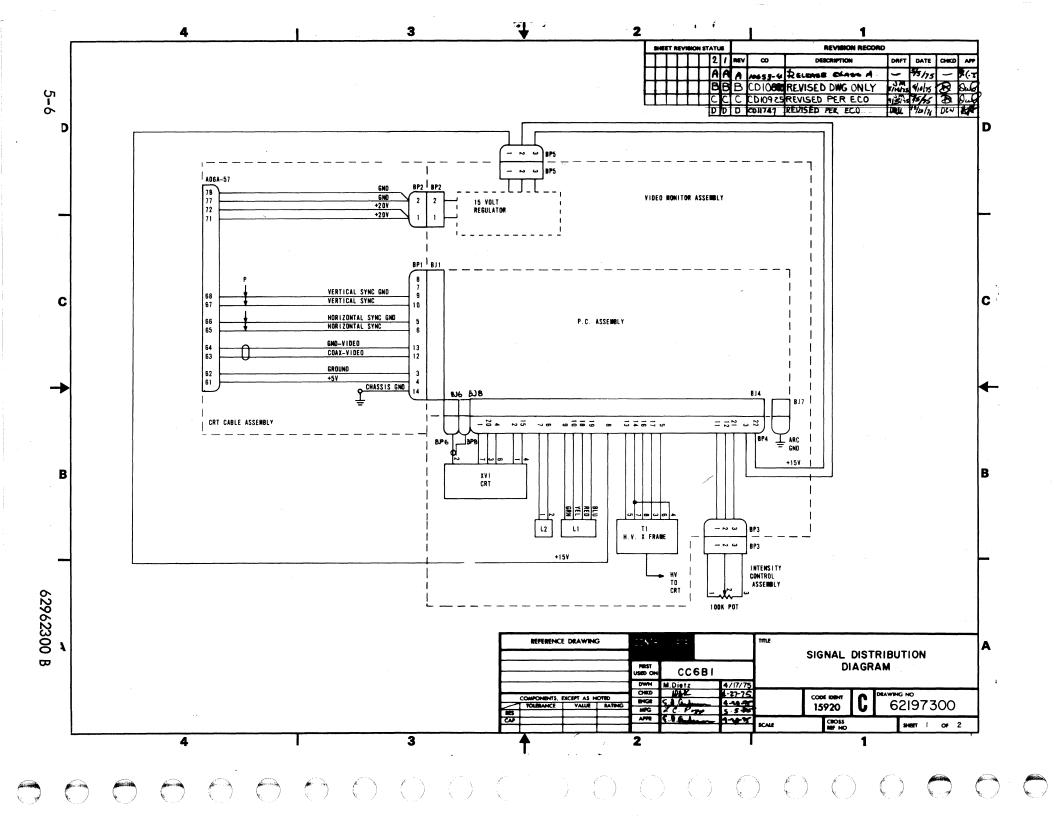
Figure 5–1. Display Terminal Cabling Decal

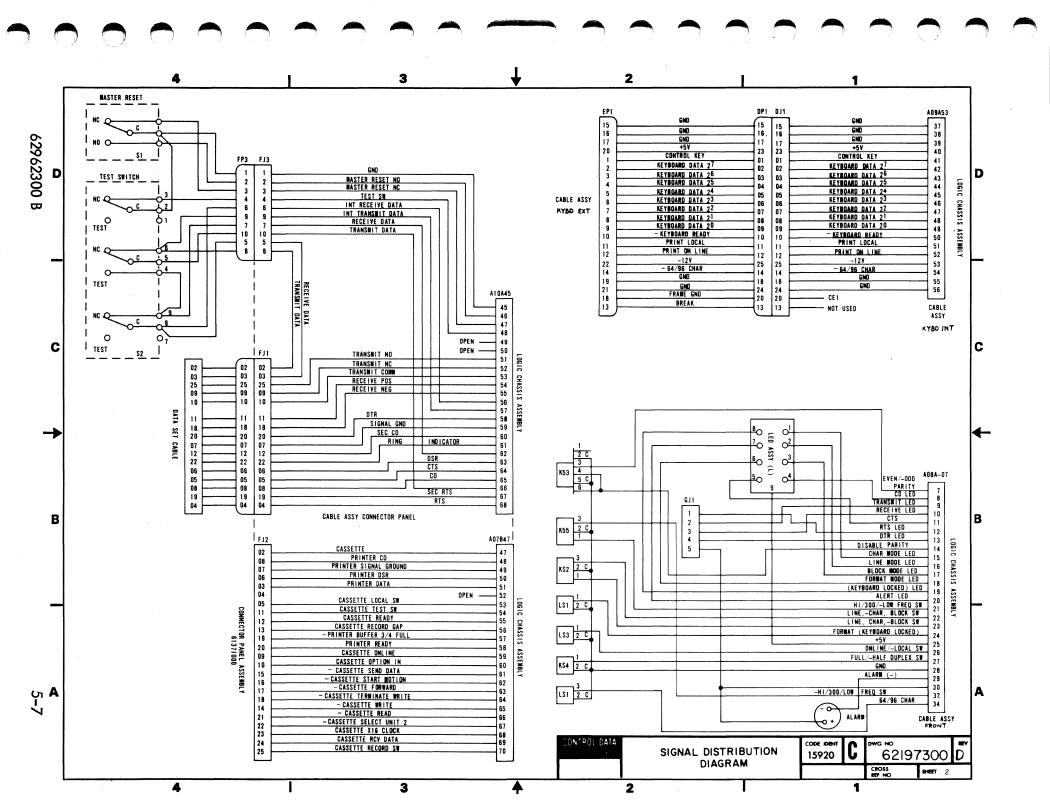
Figure 5-2. Card Placement Chart Decal

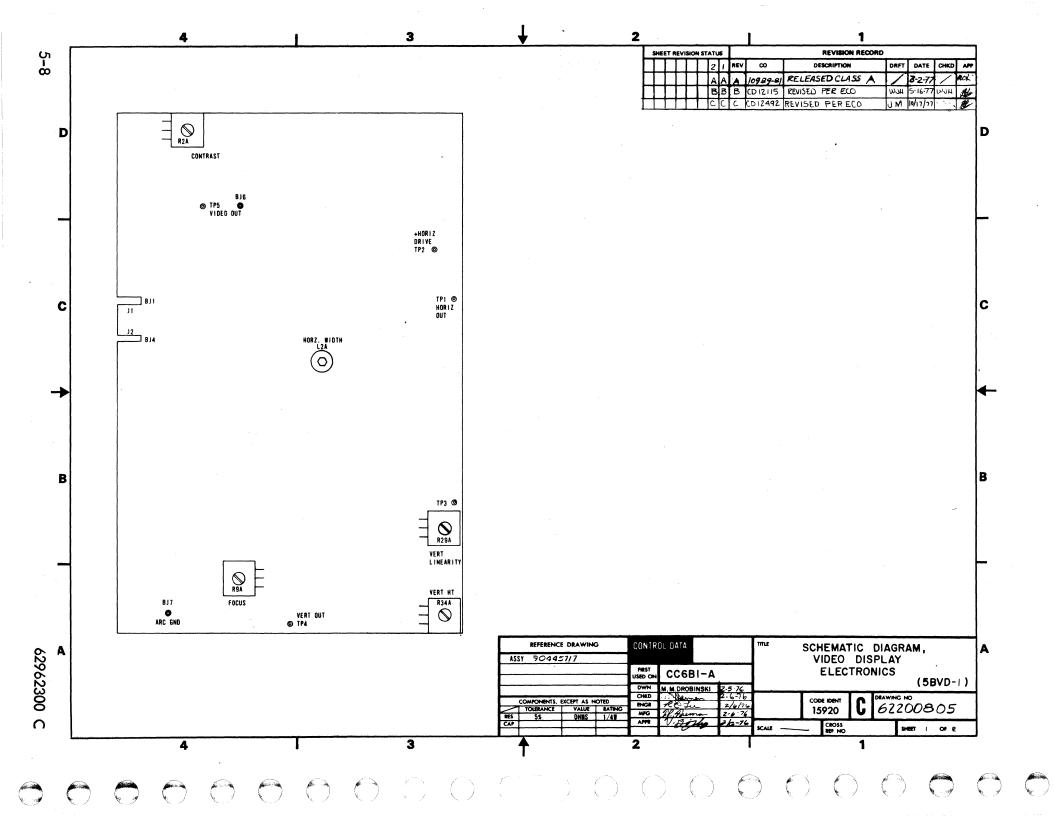
01884

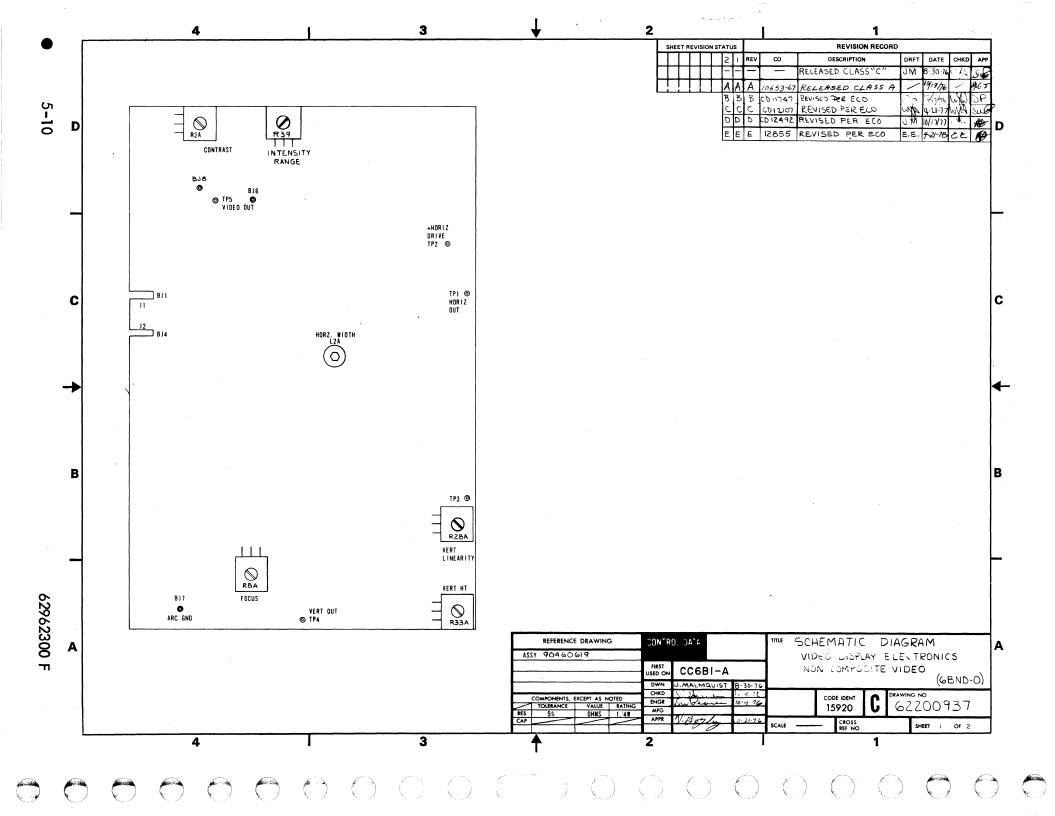


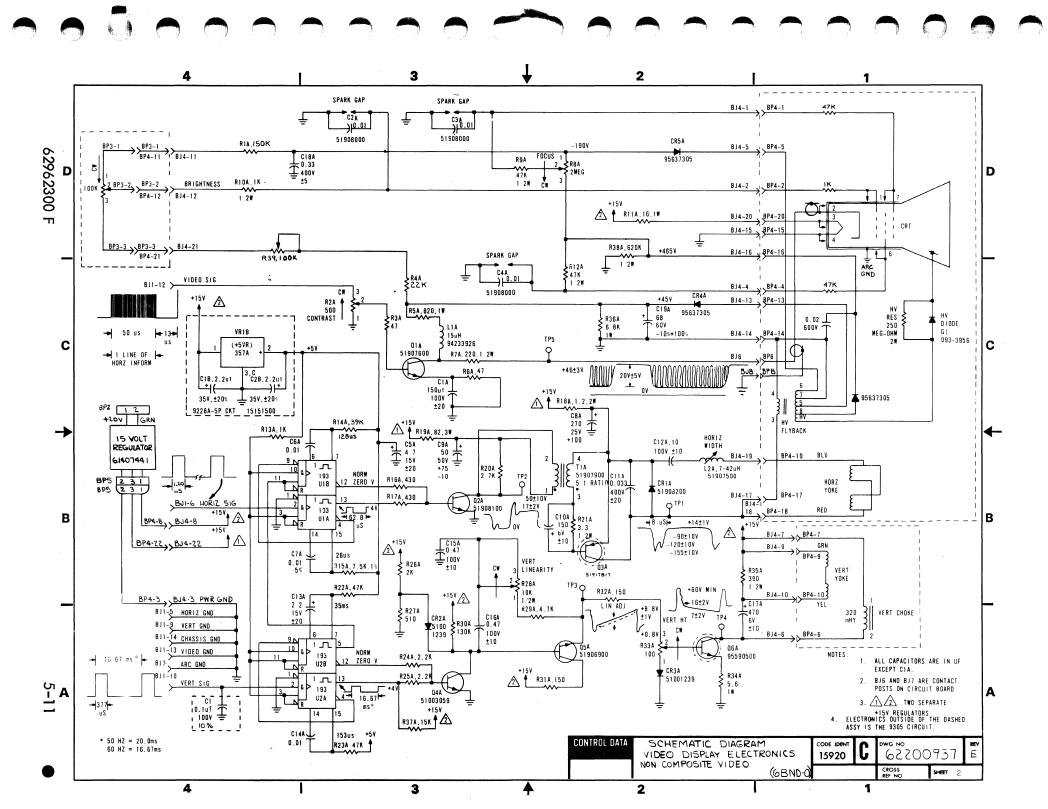


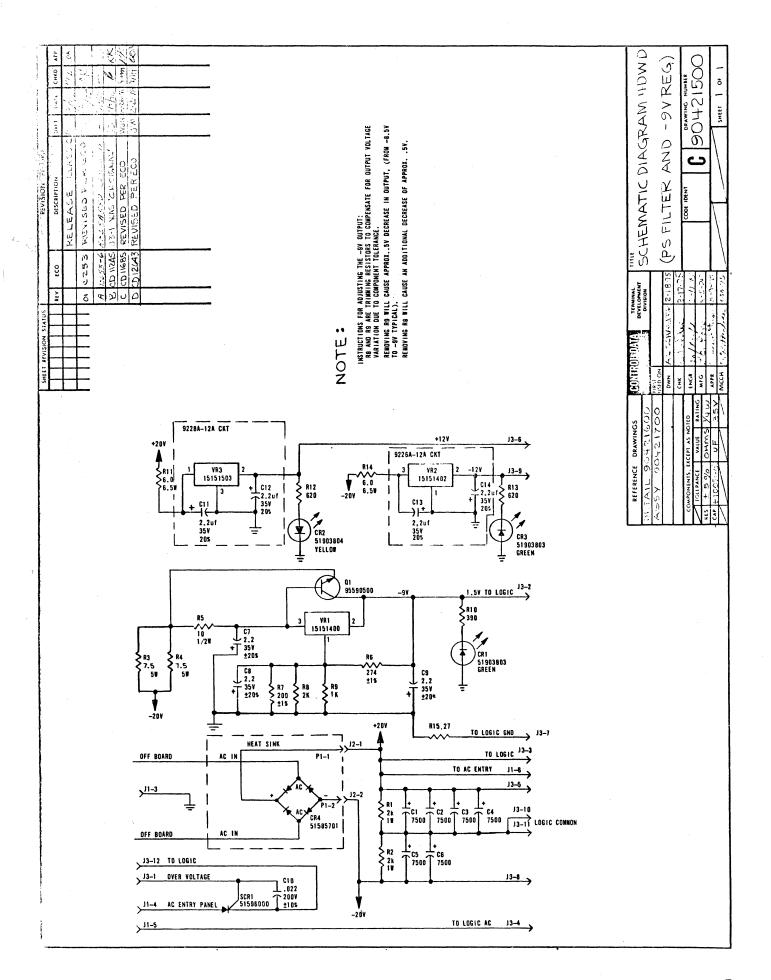


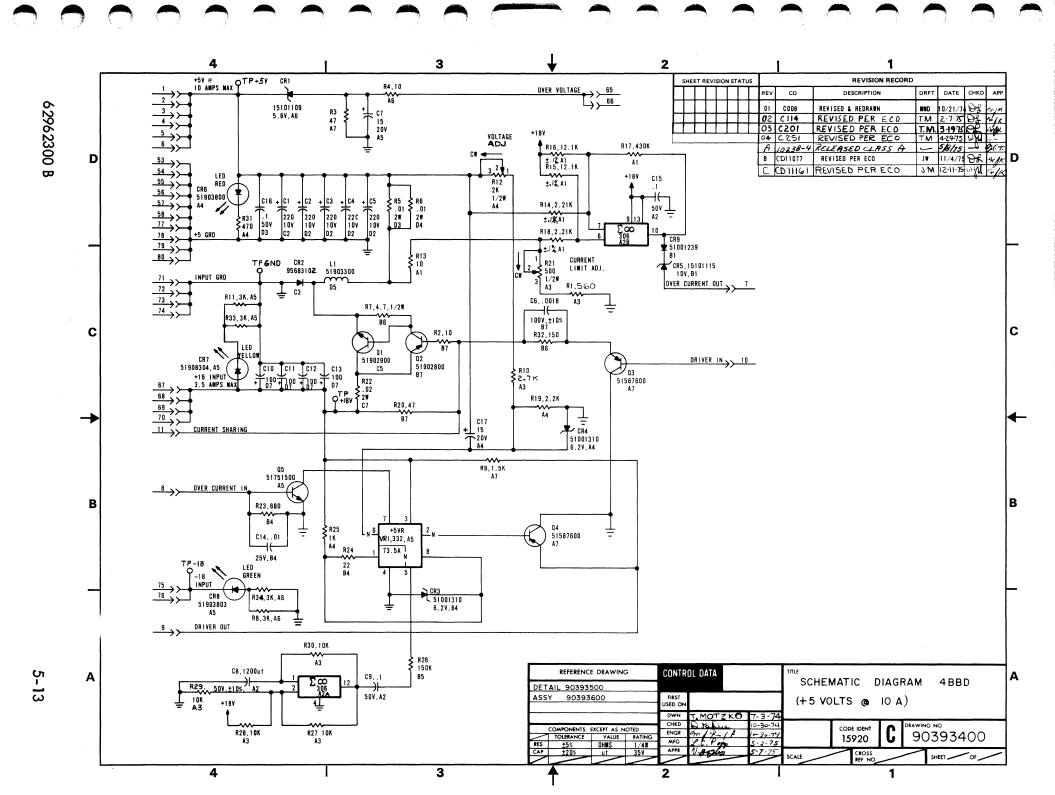


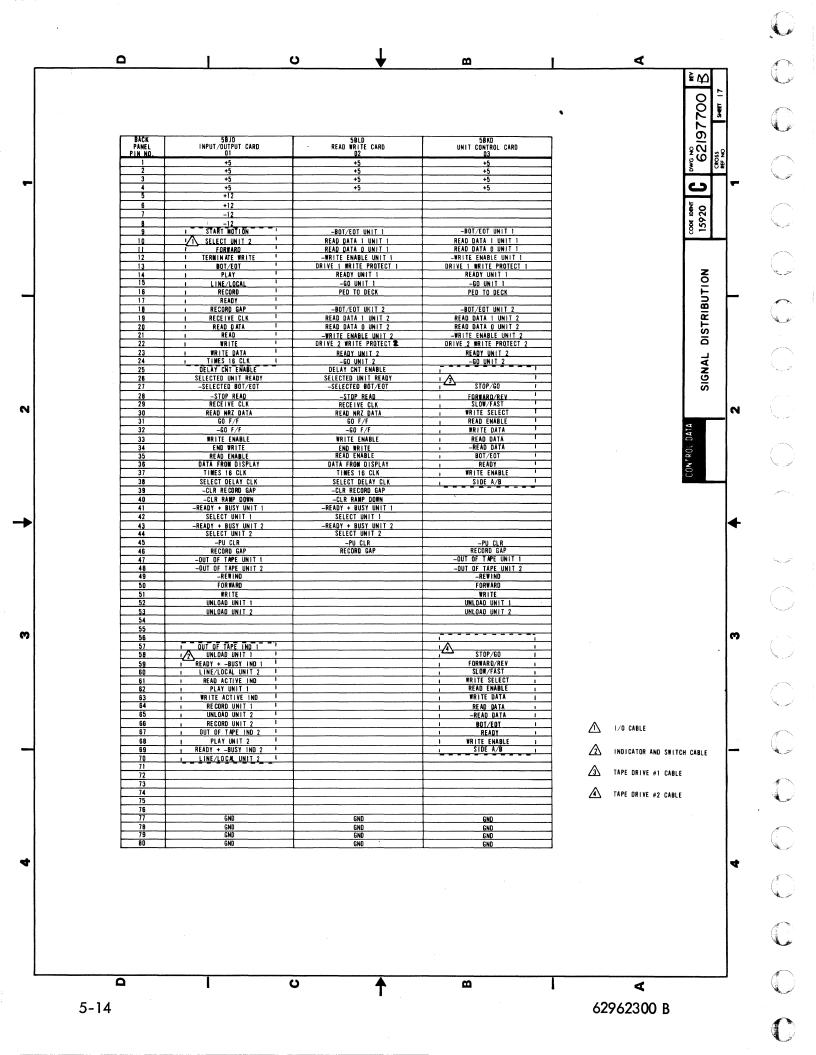


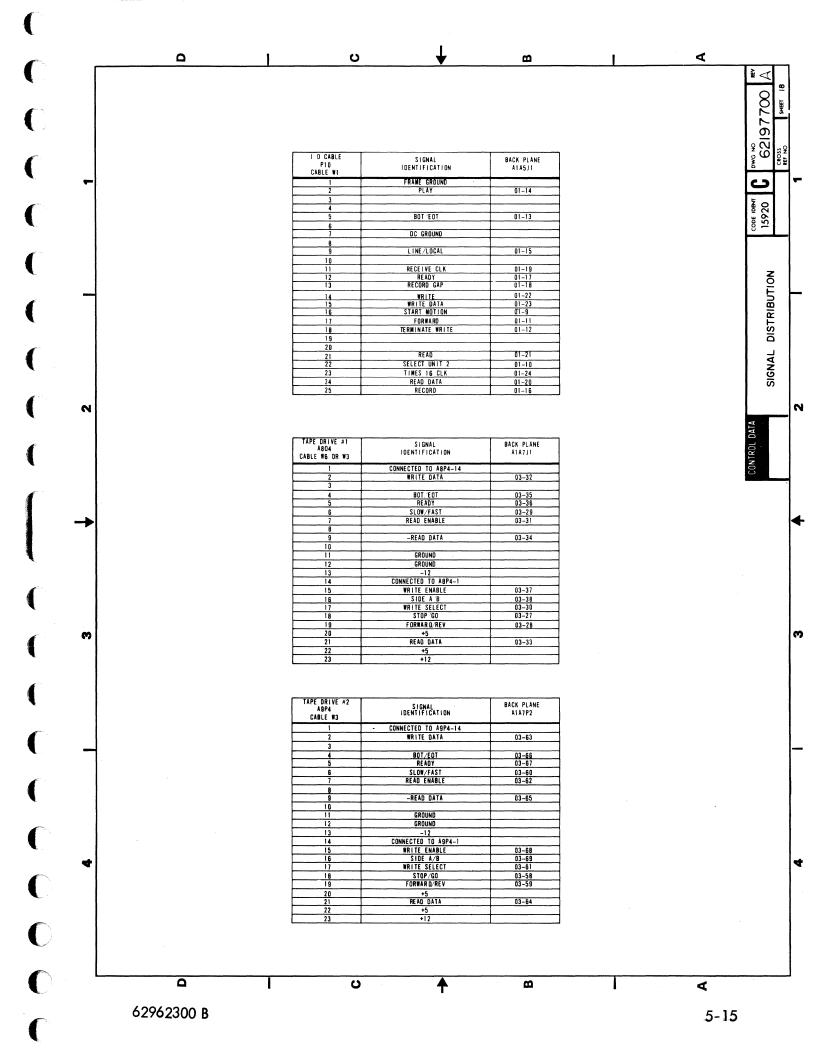


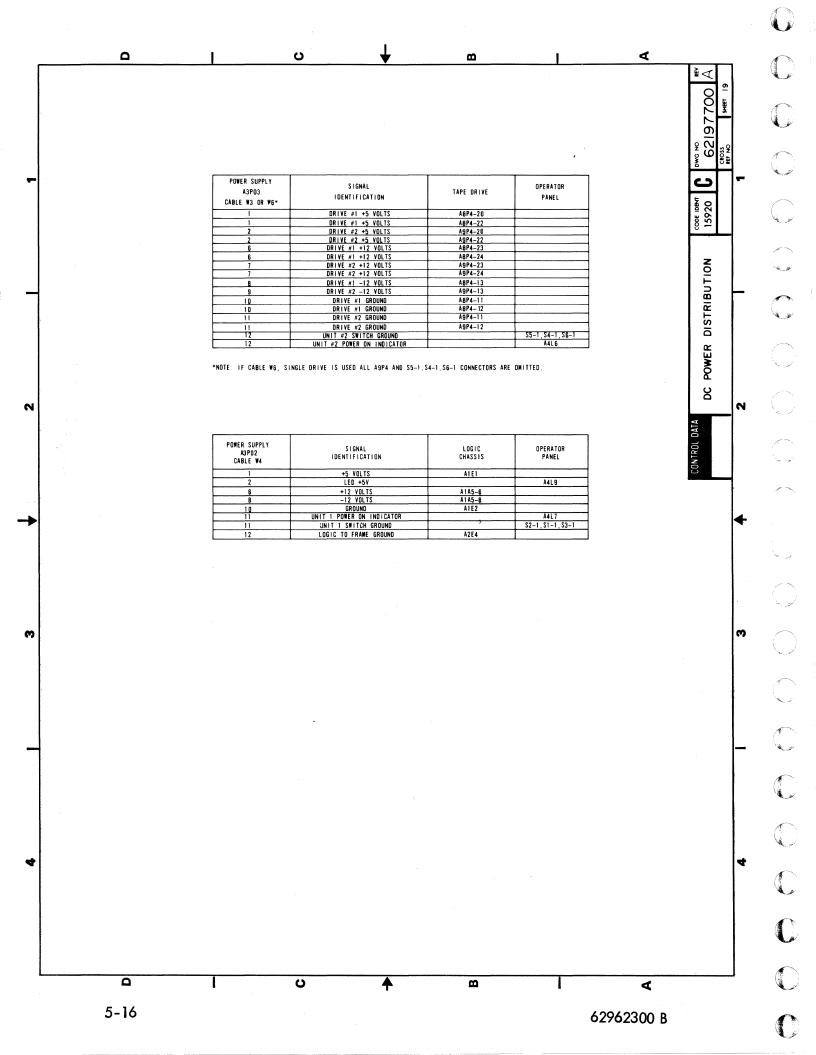


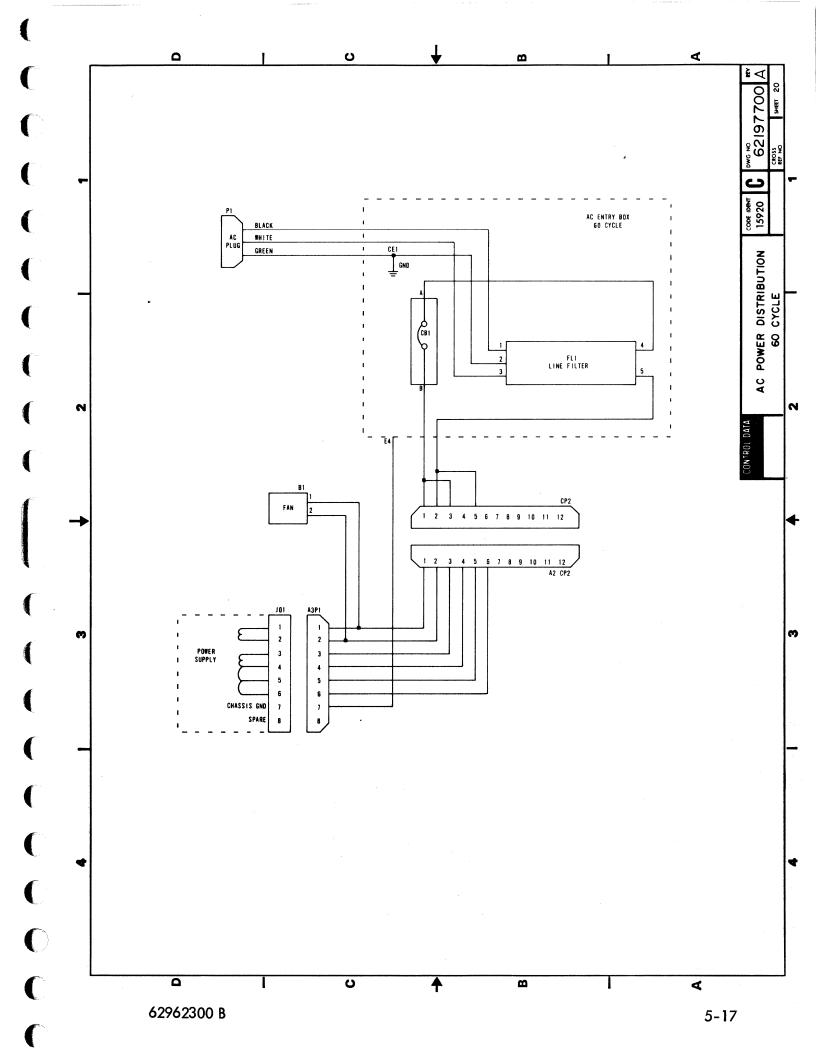


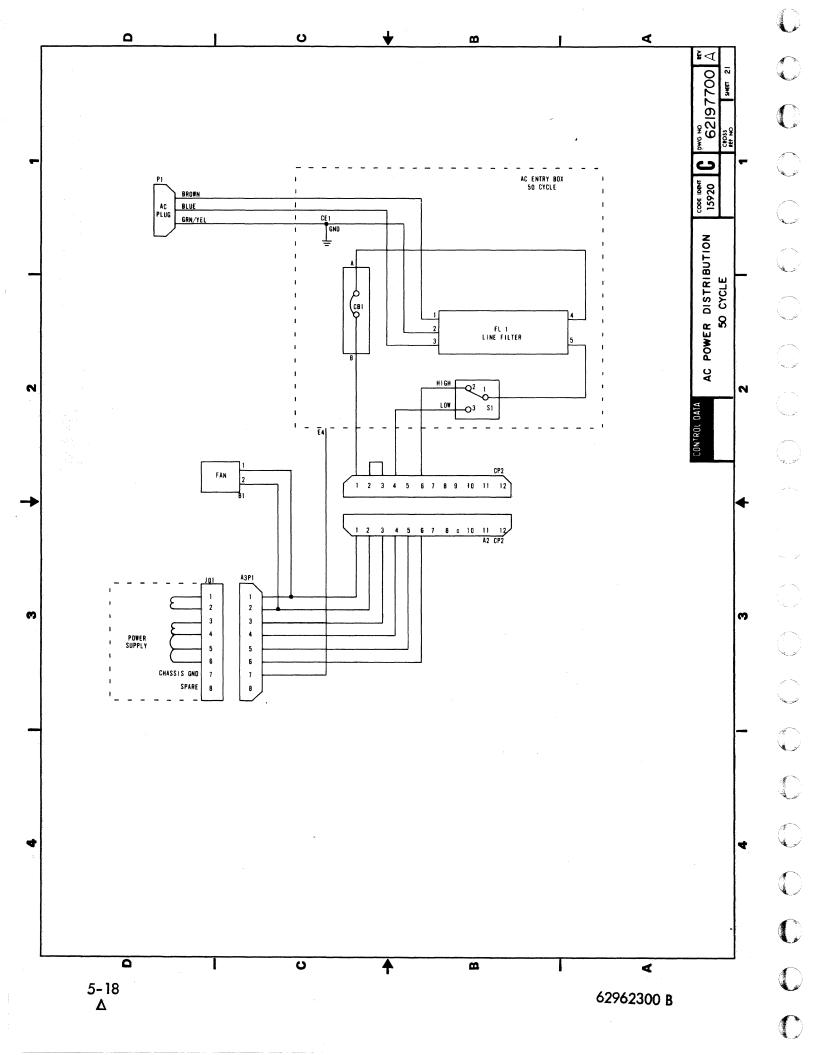










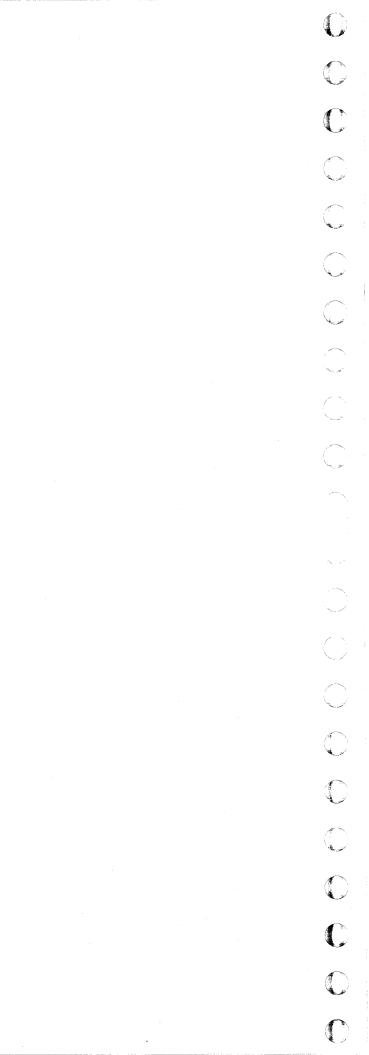


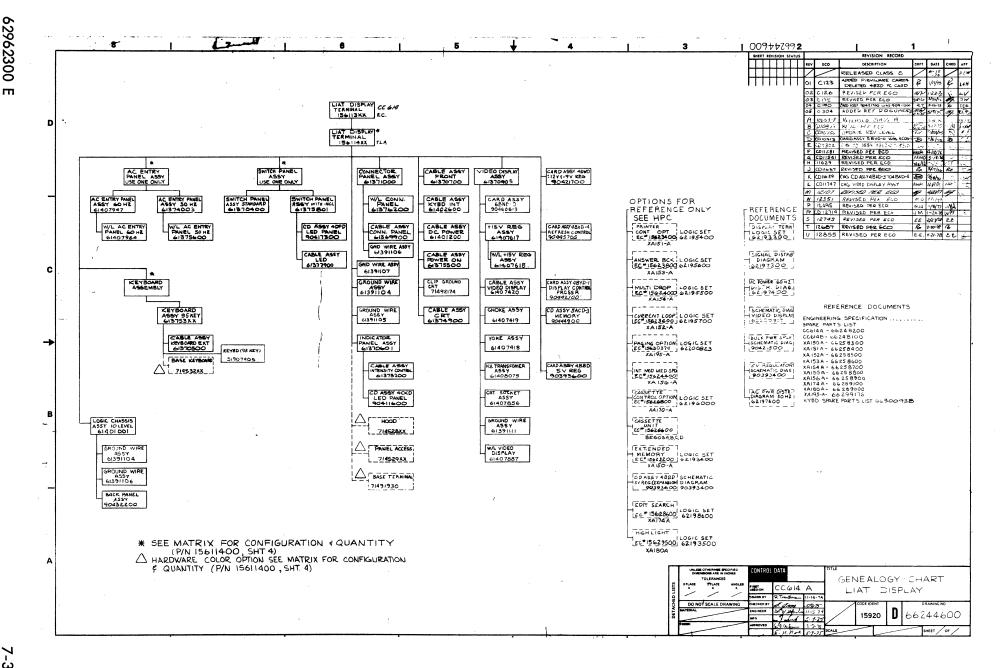
This section contains genealogy charts, assembly drawings, and parts lists for portions of the terminal subsystem. Covered are the keyboard display, keyboard display supplemental functions (e.g., edit, answerback, current loop, etc.), and the peripheral tape cassette unit. For the keyboard display and tape unit, illustrations with related lists of materials are provided at least to the field-replaceable part/assembly/module level. Table 7-1 defines terms appearing on the parts lists in this section. For parts data within any module, refer to the hardware maintenance manual for that module (see preface for particular module manuals).

Parts data for the nonimpact printer is provided in its hardware maintenance manual. Parts data for the impact printer is provided in its parts manual. See preface for publication numbers of these printer manuals.

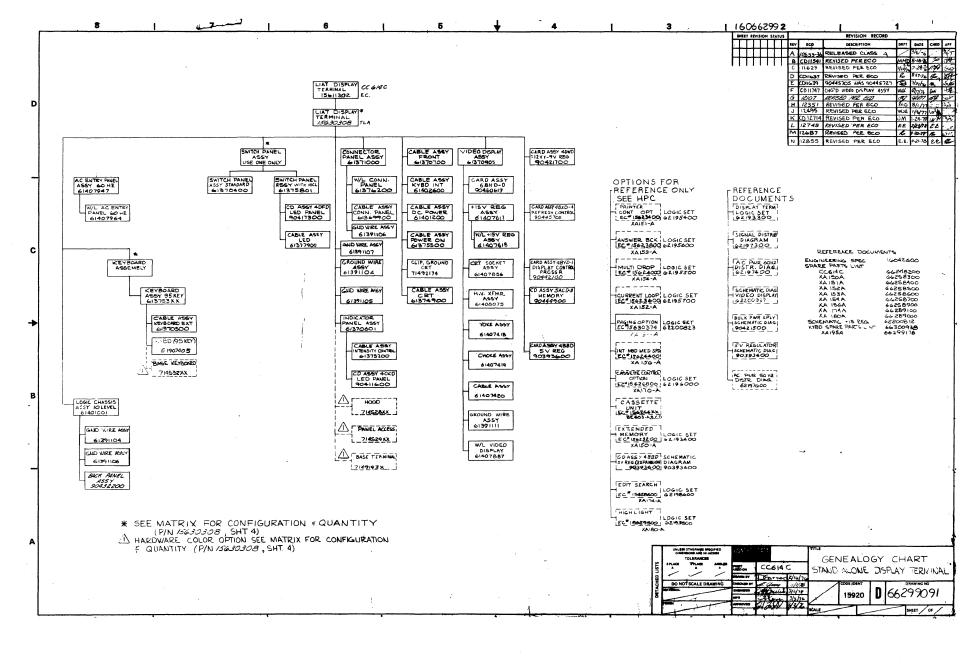
TABLE 7-1. DEFINITION OF TERMS USED IN PARTS LISTS

TABLE 7-1.	DEFINITION OF TERMS USED IN PARTS LISTS
COLUMN HEADING	explanation
FIND NO.	Identifies an electrical or mechanical part on an assembly drawing. If more than one listing appears for a find number, refer to LI, WK IN, and WK OUT.
LI (Line Item)	Gives a chronological or historical record of the addition of a new part to a find number. For example, 01 indicates that the part was the first one used, and 02 indicates the second, etc. See also WK IN and WK OUT.
PART NUMBER	Gives the Control Data Corporation part identification. Use this number when ordering replacements.
CD (Check Digit)	Gives the information-control system a means of cross-checking the correctness of a part number.
QUANTITY	Lists the total number of a part required to complete an assembly. The vertical line near the center of the column acts as a decimal point. Numbers to the left of the line are whole numbers. Those to the right of the line are tenths, hundredths, and thousandths.
U/M (Unit of Measure)	Indicates how the information-control system counts or supplies a part.
PART DESCRIPTION	Describes the physical appearance, type, or name of a part.
MC (Material Control Code)	Supplies additional descriptive data to the information-control system.
YLD (Yield)	A 2-digit numeric number that indicates the usable portion of any quantity of parts expressed as a percentage.
ECO NO. IN	Engineering Change Order that adds a new part to an assembly. See also WK IN.
ECO NO. OUT	Engineering Change Order that deletes a part from an assembly. See also WK OUT.
S/N (Serial Number)	Used to specify an ECO's effectivity by serial number.
WK IN (Week In)	Lists the date when manufacturing begins using a new part and when it is available for parts replacement. For example, 7222 means a part is available as of the 22nd week of 1972.
WK OUT (Week Out)	Lists the date when manufacturing no longer uses a part in building an assembly. See also WK IN. Do not order a part after its week-out date.

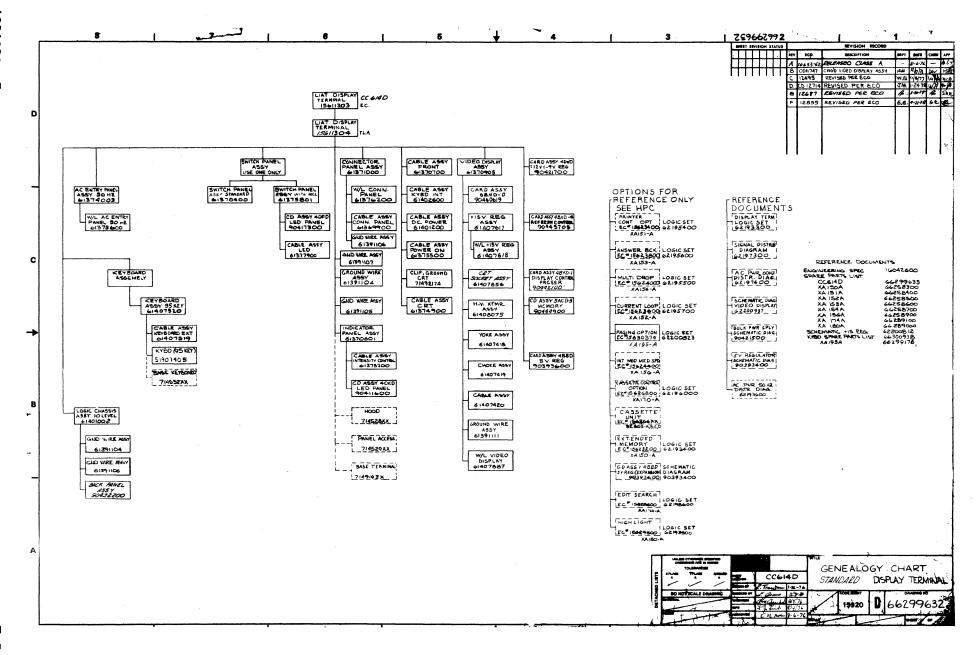




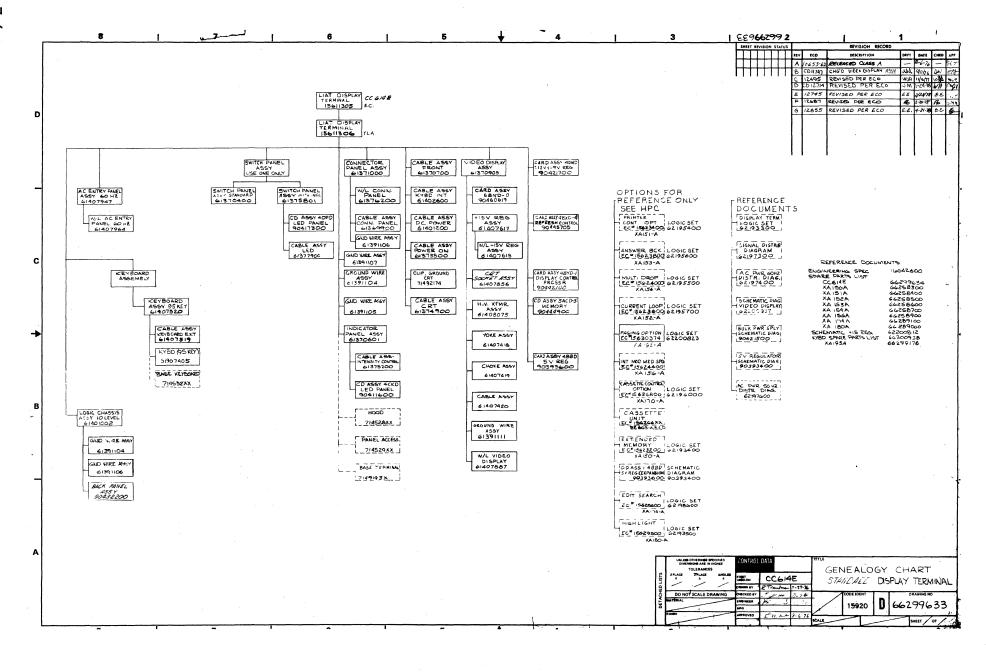


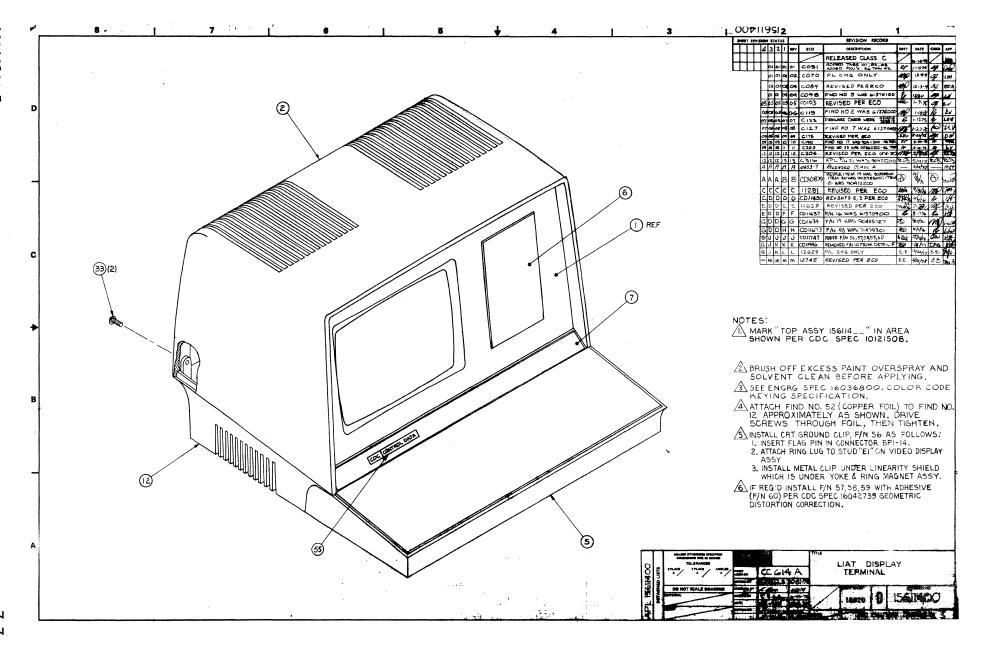


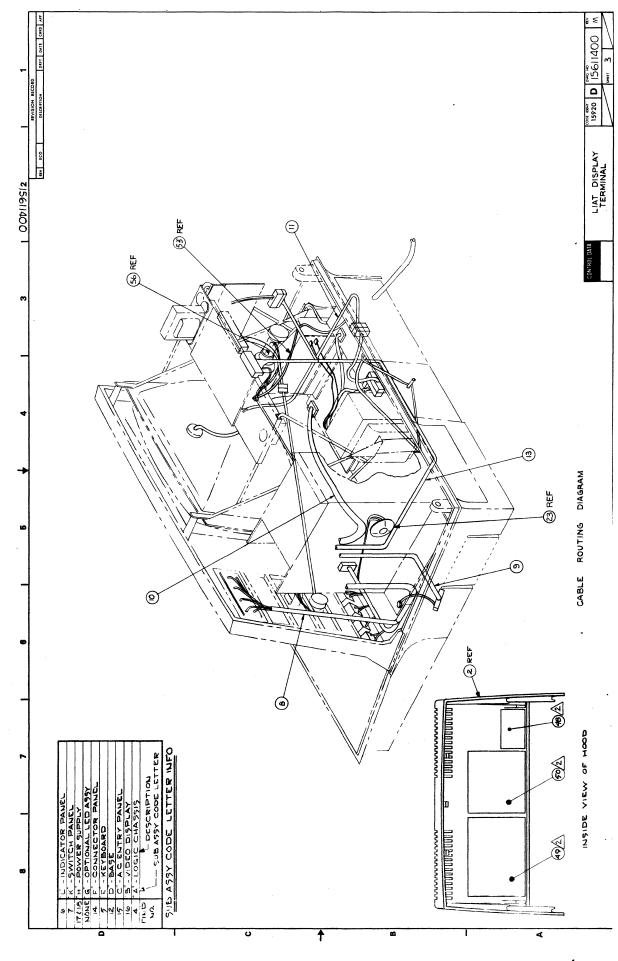
m



m





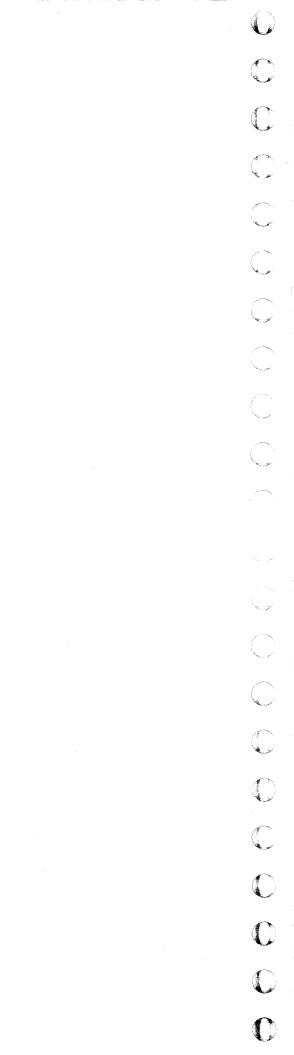


7-9/7**-1**0

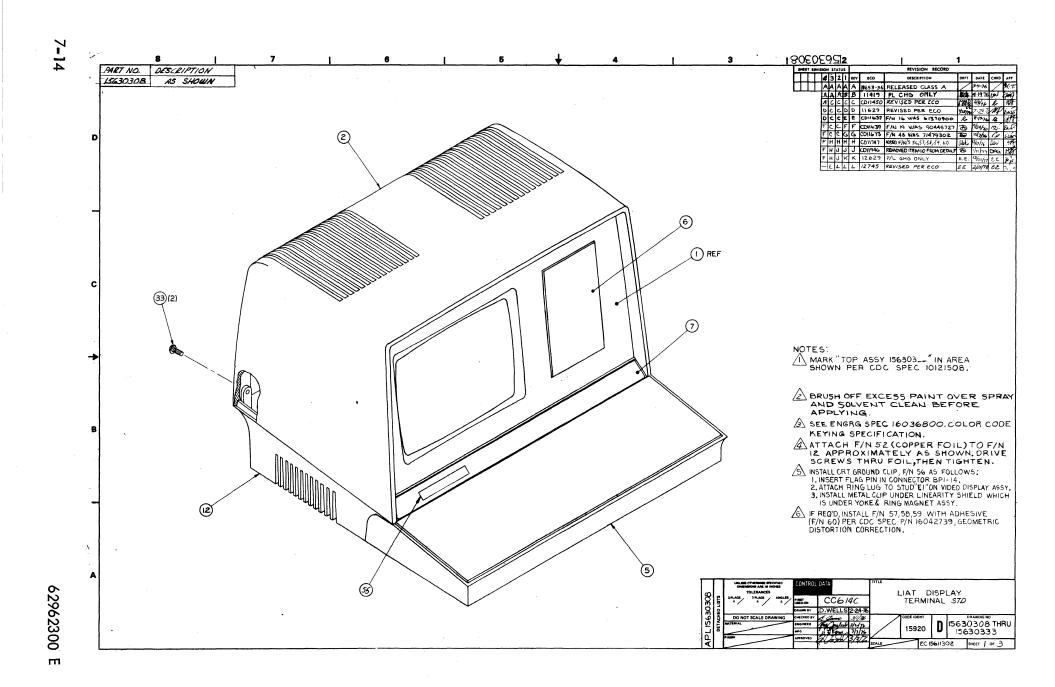


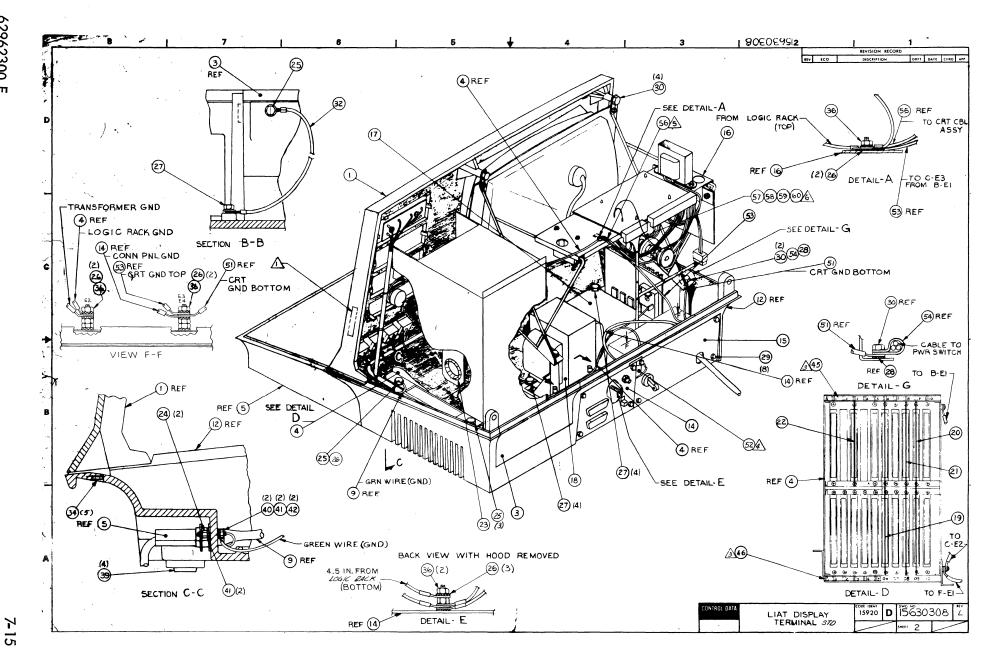
			_			ASSEMBLY PARTS	1 2	ICT	PRINT DA			CHANGE	
		PHIL. AS	C 4	4 .		MJJEMBLI PARI:) L	131	09-11-7	7 1	12745	2877	3.8
DIV.	1	ASSEMBLY NUMBER		EV. DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RE			DATE
860		15611400	1 4	2 3	TFR	M. DSPL CSA SO/FOHZ (TA)	N	RFL	05-14-75	CC6144	0	8-11	-77
FIND NO	u	PART NUMBER	CD M	QUANTITY	U/M	PART DESCRIPTION		MC YLE	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK O
001	c I	71452600	1	1	PC	FZEL 12TH CRT		Р					
007	01	7]452800	7	1	PC	HOOD, TERMINAL (GOLD FINI	SH)	Р					
003	03	71452900	5	ı	PC	CANEL, ACCESS (FINISH-GOL	9)	P					
004	02	61401001	4	1	PC	OGIC CHASSIS ASSY		A	11241		7	612	
005	01	61375300	3	1	PC	KEYBOARD ASSY 94 KEY		N		Ì			
006	02	4137v6n1	4	1	PC	PANEL ASSY INDICATOR		A	11040		7	552	
007	nΖ	61375601	1	1	PC	SHITCH PNL ASSY		A	11040		7	552	
008	01	51370700	پ	1	PC	CABLE ASSY (FRONT)		A					
009	02	61402600	3	1	PC	CABLE ASSY KEYBOARD INTER	NAL	A	10935		7	546	
010	62	61401200	3	1	PC	CARLE ASSY D.C. POWER		A	11241		7	612	
011	01	61375500	н	1	PC	CABLE ASSY (POWER ON)		A					
012	02	71491939	5	1	PC	SASE. TERMINAL (GOLD-FINI	SH)	P	11231		7	615	
013	01	61374900	1	1	PC	CABLE ASSY (CPT)		A					
014	01	61371000 61407747		1	PC	PANEL ASSY (CONNECTOR)		A	12745	12745			
015	01	61371104		1	PC	MANEL ASSY (AC ENTRY) 60	ΗZ	A	12713				
	03 02	61370902 61370905		1		VIDEO DISPLAY ASSY VIDEO DISPLAY ASSY		G G	11647	11747		636 705	770
017	01	90421700	7	1	PC	CO ASSY 40M0 PM SPLY FLTR	٧٥	A					
018	01	51905600	6	1	PC	XFORMER POWER		P			-		
019	05	90445705	в	ı	PC	CD ASSY 48X0-4 REFRESH CO	NT	A	11679		7	639	
020	02	00442100	5	,	PC	CD ASSY 48YD-1 PROCESSOR	30	A	10879		7	529	

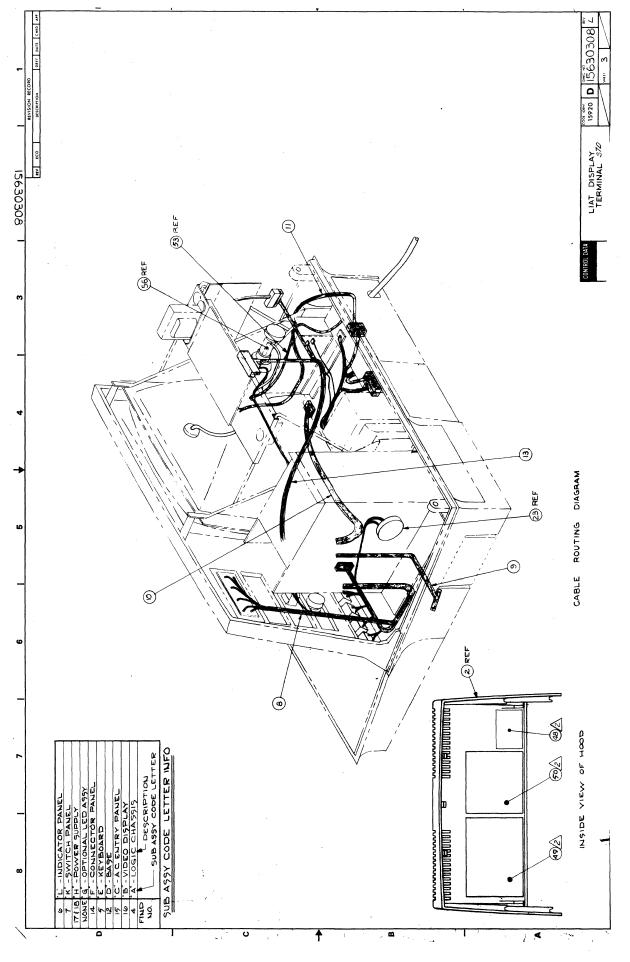
										PRINT DA	E PA	GE .	ILE CHANGE	NO.
		BUILD ARG	:	440			ASSEMBLY PARTS	L	IST	08-11-77		2	****	946
DIV.	Т.	SSEMBLY HUMBER !		May. 1 a	wa. T		DESCRIPTION	MC	STATUS	STATUS DATE	ENG.	1/279 RESP.	5-1-6	
0860	十	15611400	t	44	0	TER		N	REL	05-14-75	CC61		08_11	
FINO 100	u	PART HUMBER	o			U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	SCO. NO. OUT	S/N	WK IN	WK OU
021	04	90444900	6	1		PC	CD ASSY SACD-3 MENORY		A	11142			7612	
922	01	70393600	3	1		PC.	CD ASSY 4880 +5V 10AMP		^	İ				
023	02	51908902	3	1		PC	ALARM AUDIBLE LUG FIE Z		P	11581			7612	
024	62	71455801	2	2		PC	STANDOFF MALE/FEMALE 4-40	STL	P	11281		1	7612	
025	02	51858501	3	ż	ļ	PC	SCREW 10X1/2 TYPE A HEX HD):	В	11281 /2785	12745		7612	
026	92	10126403	4	10		PC	WSHR NO.10 EXT TOOTH LK TY	PA	8	11281			7612	
027	04	51917790		19		PC	SCREW HEX WSHR HD TYPE B		8	12629	12745			
028	62	10126402	6	i		PC	WSHR NO.8 EXT TOOTH LK TYP): A	В	11281			7612	
659	01	00840303	7	8		PC	MSCR SLF-LKG MEX 6-32X3/8		8					
030	92	00840311	0	6		PC	MSCR SLF-LKG HEX 8-32X3/8		В	11281			7612	
<u>03ï</u>	42	10125606	3	3	_	PC	WASHER FLT NO.8 STL CP		В	11281	/2745		7612	
035	92	61391105	6	. 1		PC	GNO WIRE ASSY 7.5 166A		A	11291			7612	
033	øl	10127153	٠	2		PC	45CR PAN PHL 1/4-20% 1/2		8					
034	02	51858503	9	5		PC	SCREW 3/4L SZ 16 HEX		8	11281			7612	
035 035		95125301 95125301		AR	01		LOC TITE SEALANT RED		8	11774	11774 /27 4 5		7732	7732
036	02	10125108	0	5		PC	NUT HEX MCH 10-32 STL CP 0	R Z	8	11261			7612	
037	01	66244600	4	REF		PC	GENEALOGY CHART (LIAT DSPL	.0	D					
039	01	51805801	1	•		PC	BUMPER. RUBBER .300H SLF-S	TKG	8					
040	01	10125603	0	S		PC	WASHER FLT NO.4 STL CP		8					
041	02	10126400	0	4		PC	WSHR NO.4 EXT TOOTH LK TYP	, A	В	11281			7612	



							ACCEMBLY BARTE !		CT	PRINT DA		PAGE	FI	E CHANGE	
		BUTLE AR	C	440			ASSEMBLY PARTS I		3 1	08-11-7	7	3	1274	\$0027	**
DIV.	A	SSEMBLY NUMBER	CD .		DWG.		DESCRIPTION MC	T	STATUS	STATUS DATE	1	ENG. RES	P.	FILE	DATE
0860	Щ,	15611401	_	_			. DSPL CSA 50/60H7 (T4) N		REL	05-14-75		C614A		08-11	
FIND NO	u	PART NUMBER	CD	M QUA	NTITY	U/M	PART DESCRIPTION	-	MC YLD	ECO. NO. IN	ECO. NO	. OUT	S/N	WK IN	MK OI
042	01	10175103	1	á		PC	MUT HEX MCH 4-40 STL CP OR ZI	•	8						
045	01	71474100	6)		PC	LABEL A. CC CHAS 6.4IN VINYL		P						
046	02	71474106	3	1		PC	LAREL B. CC CHAS R.4IN VINYL		P	11281				7612	
048	03	71479302	3	1		PC	LAREL . CARD PLACEMENT TAR-02		P	11673				7638	
049		71479400		1	1	1.	LABEL LOG CO SW AND ADJUST		P						
050		71479500	1	1	1	1	LABEL A/C D/C CARLE INTER		P .					76.0	
051		61391114	1	1	1		AND WIRE ASSY 4.5 16GA		A	11241				7612 7612	
052		95558018		_	-	1	TAPE, COPPER FOIL W 1.00		- A	11241				7612	
053		613911a7 517766a1		1		1	CLAMP. CRL (4) 3/32DIA NOM		8	11291				7612	
055	-	15010307		1		1	TO EMBLEM. PRODUCT MEDIUM AL		٥	11291				7612	
056		71492174		,		-	GROUND CLIP CRT		A	11747				7705	
057		51917050		•			MAGNET BAR		P	11747				7705	
058	01	51917051	е		500	PC	MAGNET BAR		P	11747				7705	
059	01	51917052	6		500	PC	AGNET BAR		P	11747				7705	
060	c1	51004063	7		100	PC	ADHESIVE, AMBER SYN ELASTOME	2	В	11747				7705	
061	01	16042739	9	4EF		PC	GEOM DIST CORRECTION		0	11747				7705	
							0059 TOTAL LINES								

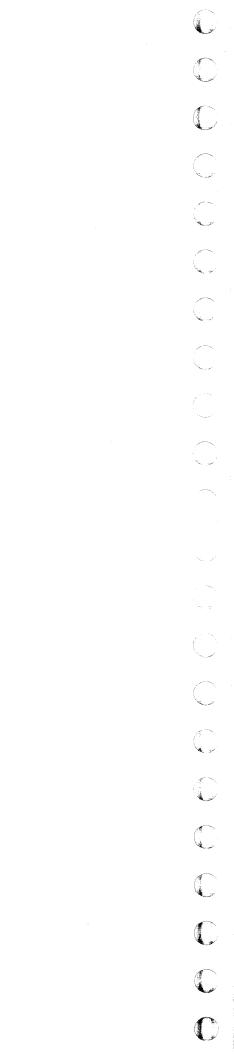






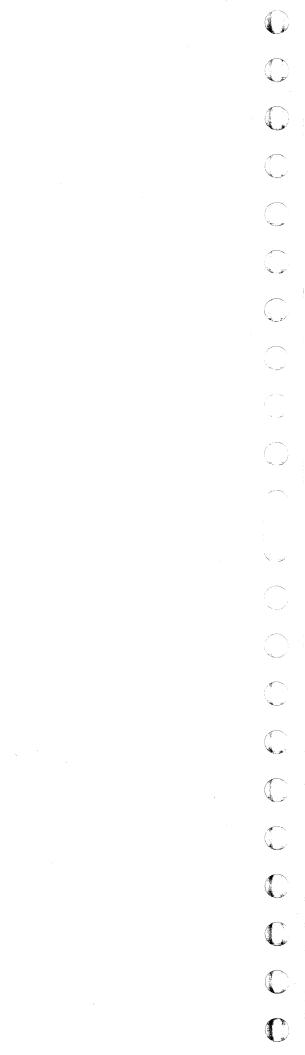
		BUTLD AF		440			ASSEMBLY PARTS	L	IST	01-30-7			00012	
DIV.	_	ASSEMBLY NUMBER	!co	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE			OOO 1 4	
	+		1		T						ENG. RI			
B60 FIND NO	LI	15630308 PART NUMBER		M o	D	U/M	PART DESCRIPTION	N	MC YLD	03-04-76 ECO. NO. IN	ECO. NO. OUT	C S/N	01-30	9-78 WK 0
			7	†	$\neg \top$	1								
001	01	7145260	1		7	PC	REZEL 12IN CAT		P	1				
002	01	7145280	7		1	PC	HOOD. TERMINAL (GOLD FINIS	SH)	P					
003	۸1	71457004	. _		1	-	DANE: 400550 4550754 0015							
003	••	71452900	, 13		•		PANEL . ACCESS (FINISH-GOLD	"		1		1		
004	01	6140100	5		1	PC	LOGIC CHASSIS ASSY		A					
005	01	61375300	3		1	PC	KEYBOARD ASSY 95 KEY		N					
	٠,													
006	υŢ	61370601	4		1	٥٥	PANEL ASSY INDICATOR		^			ĺ		
007	01	61375801	0		1	PC	SWITCH PNL ASSY		A					
008	01	61370700	9		1	PC	CABLE ASSY (FRONT)		A					
						- 1	-							
009	01	61402600	3	1	1	PC	CABLE ASSY KEYBOARD INTERN	IAL	^					
010	01	61401200	3		1	PC	CABLE ASSY D.C. POWER		A					
011	01	61375500			1	PC	CABLE ASSY (POWER ON)							
			1	}	-									
012	0 1	71491930	5		1	PC	BASE. TERMINAL (GOLD-FINIS	(H)	P			Ì		
013	01	61374900	1		1	PC	CABLE ASSY (CRT)		A					
014	01	61371000	3		1	PC	PANEL ASSY (CONNECTOR)		A					
			1		-	- 1			[]			-		
015	0 l 0 2	61371104			1		PANEL ASSY (AC ENTRY) 60 H PANEL ASSY (AC ENTRY) 60HZ		^	12745	12745	į.	7820	782
					1			•				1		İ
016	03	61370905	•		1	PC	VIDEO DISPLAY ASSY		^	11747		ľ	7705	
017	0 1	90421700	7		1	PC	CD ASSY 40W0 PW SPLY FLTR	9٧	A					
018	01	51905600	6		1	PC	XFORMER POWER		P					
			į	1			-							
019	03	90445705	8		1	PC	CD ASSY 4BXD=4 REFRESH CON	IT	5	11639			7639	
020	01	90442100	5	1	1	PC	CD ASSY 4BYD-1 PROCESSOR 8	חו	s					

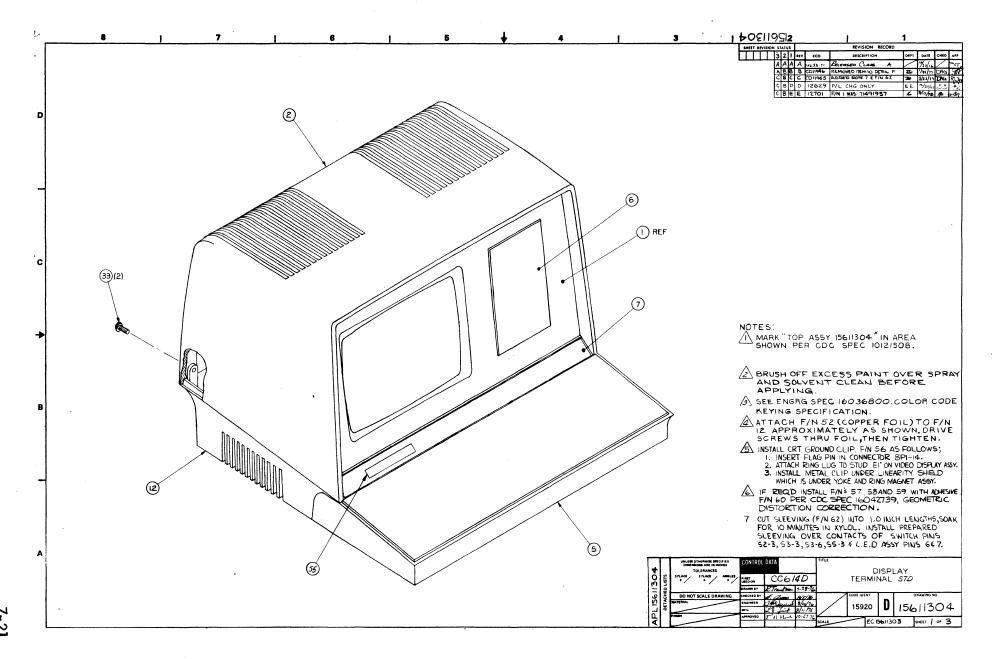
							ACCEMBLY DARTS		ICT	PRINT DA		PAGE	FIL	E CHANGE	
		BUILD AR	С	440			ASSEMBLY PARTS	L	131	01-30-7	8	2		00012	2745
DIV.	T	ASSEMBLY NUMBER	CD	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE		ENG. RES		FILE	
860	\perp	15630308		L	D	TERM	OSPL UL 50/60HZ (TA)	N	REL	03-04-76		C614C		01-30	
FIND NO	u	PART NUMBER	CD	W GI	JANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO	. OUT	S/N	WK IN	WK OU
021	01	90444900	6		1	PC	CD ASSY SACD=3 MEMORY		A						
022	01	90393600	3		1	PC	CD ASSY 4880 +5V 10AMP		S						
023	01	51908902	3		1	PC	ALARM AUDIBLE LUG FIG 2		P						
024	01	71455801	2	;	2	PC	STANDOFF MALE/FEMALE 4-40	STL	P						
025	01	51858501	Э		4	PC	SCR TPG HEX-WSHR SLT 10x1/	2	8		12	745			7820
025	02	51858501	3	!	5	PC	SCR TPG HEX-WSHR SLT 10x1/	2	8	12745				7820	
	01	10126403			9		WSHR NO.10 EXT TOOTH LK TY				12	745			7820
026	02	10126403	1	10	0	PC	WSHR NO.10 EXT TOOTH LK TY	PA	В	12745				7820	
027		51858529		1			SCR TPG HEX-WSHR SLT 8X3/8		В	11419		629		7621	
027 027		51917790 51917790		1	9		SCREW HEX WSHR HD 8-18X1/2		8	12629 12745	12	745		7812	7820
021	0.	2141/140	1		"		SCREW HEA WOHN HO 0-1841/2			15,43				7020	
028	01	10126402	6		1	PC	WSHR NO.8 EXT TOOTH LK TYP	A	8						
029	01	00860303	7	•	8	PC	MSCR SLF-LKG HEX 6-32X3/8		8						
030	01	00860311	0	١ ،	6	PC	MSCR SLF-LKG HEX 8-32X3/8		8						
031	01	10125606	3	:	2	PC	WASHER FLT NO.8 STL CP		В		12	745			7820
032	01	61391105	6		1	PC	GND WIRE ASSY 7.5 16GA		A .						
033	01	10127153	4		2	PC	MSCR PAN PHL 1/4-20X 1/2		8						
034	01	51858503	9	!	5	PC	SCR TPG HEX-WSHR SLT 10X3/	4	8						
035	02	95125301	2		010	oz	LOC TITE SEALANT RED		6	11774	12	745		7723	782
	01	10125108			6		NUT HEX MCH 10-32 STL CP C				12	745			782
036	-	10125108			5		NUT HEX MCH 10-32 STL CP (12745				7820	
037	01	66299091	0	RE		PC	GENEALOGY CHART STAND ALON	E T	P						
039	01	51805801	1		4	PC	BUMPER. RUBBER .300H SLF-S	TKG	В						

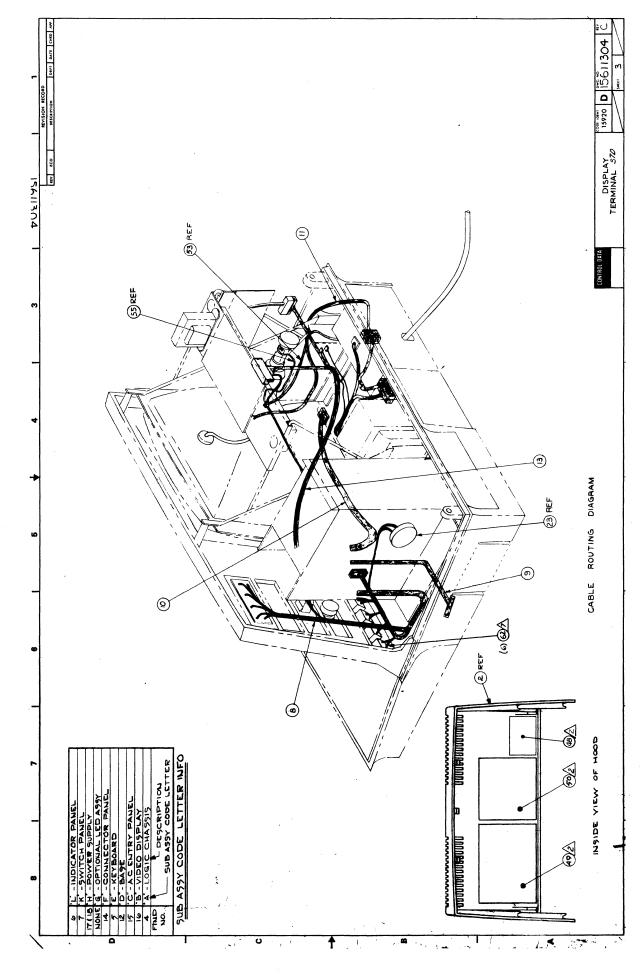


							ASSEMBLY PARTS		ıs	T	PRINT DAT	_	PAGE	FILE CHANGE	
		BUILD AR		440							01-30-78		3		
DIV.	+'	ASSEMBLY NUMBER	+-+		DWG.		DESCRIPTION	MC	-	ATUS	STATUS DATE	+	NG. RESP.		DATE
860 FIND HO	Ļ	15630308	3		D	TERP	PART DESCRIPTION	N	RE	YLD	03=04=76 ECO. NO. IN	ECO. NO. O	614C	/N WK IN	0-75 WK O
7.40.40	-	FALL HUMBER	+		T	- ···			Н	1					1
040	1	10125603	0	2	:	PC	WASHER FLT NO.4 STL CP		В						
041	1	10126400	þ	•	.	PC	WSHR NO.4 EXT TOOTH LK TYP	A	8						
042	1	10125103	1	2	:	PC	NUT HEX MCH 4-40 STL CP OR	ZP	8						
045	1	71474100	5	1		PC	LABEL A. CC CHAS 6.4IN VIN	YL	P						
046	1	71474106	3	1		PC	LABEL B. CC CHAS 3:4IN VIN	YL	P						
048	2	71479302	3	1		PC	LABEL, CARD PLACEMENT TAB-	02	•		11673			7638	
049	1	71479400	5	1		PC	LABEL LOG CD SW AND ADJUST		•					5	
050	1	71479500	2	1		PC	LABEL A/C D/C CABLE INTER		P						
051	1	61391104	9	1		PC	GND WIRE ASSY 4.5 16GA		A						
052	1	95558018	8		30		TAPE, COPPER FOIL W 1.00		8						
053	1	61391107	12	1	.	PC	GND WIRE ASSY 12.5 16GA		A						
054	1	51776601	l	1		PC	CLAMP, CBL (4) 3/32DIA NOM		8						
055	1	15010307	5	1	.	PC	ID EMBLEM. PRODUCT MEDIUM	AL	P						
056	1	71492174	9	1		PC	GROUND CLIP CRT		A		11747			7705	
057	1	51917050	0		50	0 PC	MAGNET BAR		•		11747			7705	
058	1	51917051	8		50	0 PC	MAGNET BAR		P		11747			7705	
059) 1	51917052	2 6		50	0 PC	MAGNET BAR		P		11747			7705	
060) 1	51004063	7		10	o oz	ADHESIVE. SEALANT SIL RUBE	ER	8		11747			7705	
061) 1	16042739	9	REF		PC	GEOM DIST CORRECTION		O		11747			7705	
		1	- !			- 1	1		1	1 1				1	

		ACCESSED V DADEC		-	PRINT DATE	PAGE	FILE CHANGE NO	э.
	BUILD ARC 440	ASSEMBLY PARTS	LI	S T	01-30-78	4	000127	45
DIV.	ASSEMBLY NUMBER CD REV.			STATUS	STATUS DATE	ENG. RE		
860	15630308 3 L			REL	03-04-76	CC6140		
ND NO LI	PART NUMBER CD M Q	UANTITY U/M PART DESCRIPTION	,	MC YLD	ECO. NO. IN	ICO. NO. OUT	S/N WK IN W	VK O
		OBES YOYAL LYNES						







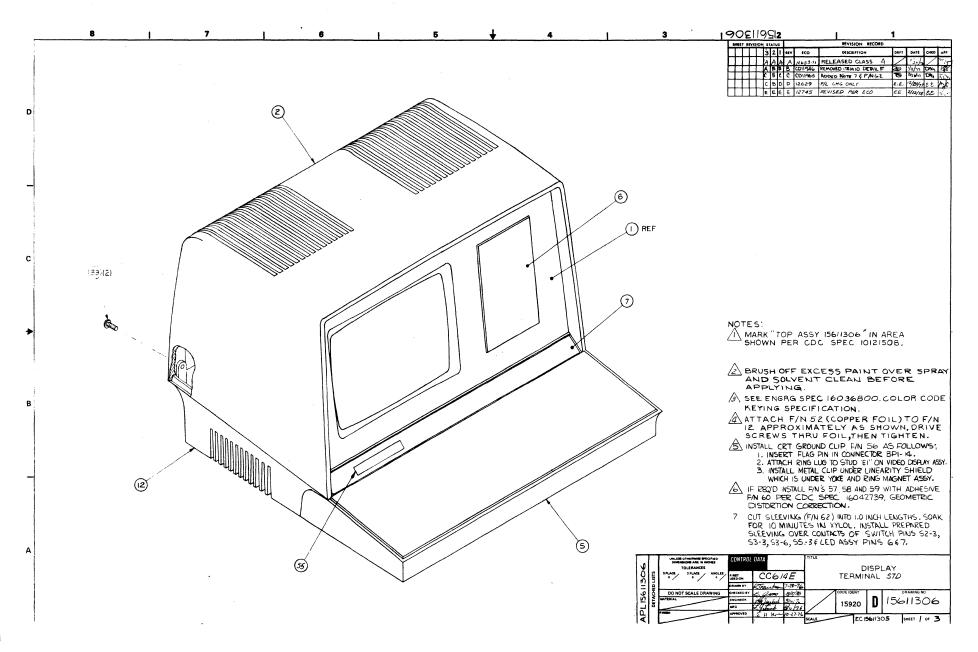


		BUILD ARC	440	1	ASSEMBLY	PART	S L	IST	04-27-		GE F	0001	2701
DIV.	A:	SSEMBLY NUMBER [CD]	REV. DWG.		DESCRIPTION		MC	STATUS	STATUS DATE	ENG	RESP.	FILE	DATE
0860	T	15611304 5	E D	TER	M DSPL BOX12 FT	SOHZ (TA) N	REL	10-28-7	6. CC	514D	04-2	27-78
FIND NO	u	PART NUMBER CD		U/M	PART DESC			MC YLD	ECO. NO. IN	ECO. NO. OU	r s/N	WK IN	WK OL
001		71491937 71492176	ì	PC	REPLACED BY 714 BEZEL CRT 12 IN		01	P	12701	127	01	781	781
002	01	71491935 6	1	PC	HOOD. TERMINAL	52HIÉFDÉ(•	P					
003	01	71491939	1	PC	PANEL. BASE 25	IELDED+		P				1	
004	01	61401002	1	P¢	LOGIC CHASSIS	SSY ETZ		4				-	:
005	01	61407520		P¢	KEYBOARD ASSY	S KEY (\$)	IELD	N				ŀ	
006	01	61370601	1	P¢	PANEL ASSY IND	CATOR		4				i I	
007	01	61375801		₽¢	SWITCH PHL ASS	•		1					
008	01	61370700	' †	P¢	CABLE ASSY (FR	INT)		1				i	
009	01	61402609	1	PG	CABLE ASSY KEY	OARD INT	RNAL	1					
010	01	61401204	' †	P¢	CABLE ASSY D.C.	POWER		1					
011	01	61375500	1	1	CABLE ASSY (PO			1				****	
012	02	71492276 2	1	-	BASE - ŢERMINAL		,	P	11965			7706	
013	01	61374900 1	1	-	CABLE ASSY (CRT	-		À			Ì		
014	- [61371000 3	1	1 1	PANEL ASSY (CON			A					
015	01	61374003	1	-	PANEL ASSY (AC		HZ	^					İ
016	01	61370905	1	-	VIDEO DISPLAY A			N					
	01	90421700 7	1	1	CD ASSY 4DWD PW	SPLY FLT	R 9V	Å					i
018		51905600 6	1		XFORMER POWER			P					
	01	90445705 8	1	^	CD ASSY 48XD-4	_		ē					
020	01	90442100 5	1	PC	CD ASSY 4BYD-1	PROCESSOR	BD	S			1		

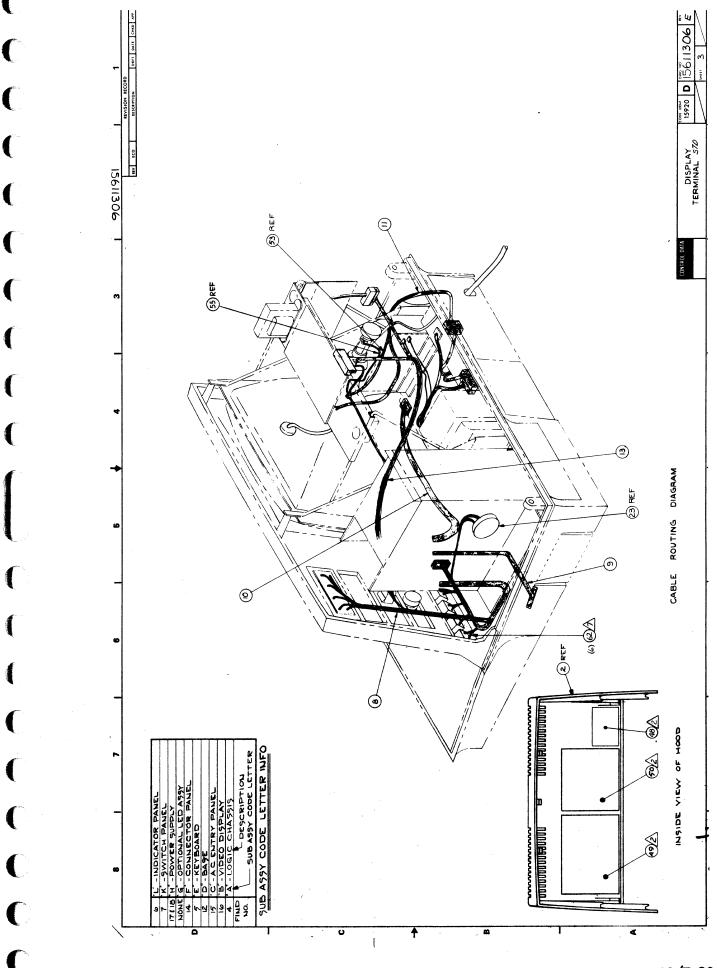
												PAGE			
		BUILD ARG	С	440		-	ASSEMBLY PARTS	L	IST	04-27-7		2	Fit	0001	
DIV.	_ A	SSEMBLY NUMBER C	_		WG.		DESCRIPTION	MC	STATUS	STATUS DATE	T-1	ENG. RES	P.	FILE	DATE
860		15611304	5	Ε	Q	TER	M DSPL 80X12 FTZ 50HZ (TA)	N	REL	10-28-76	C	06140)	04-2	7-78
IND NO	u		CD	M QUA	NTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO.		S/N	WK IN	WK C
021	01	90444900	6	1		PÇ	CD ASSY SACD-3 MEMORY		Ą						
022	01	90393600	3	1		PÇ	CD ASSY 4BBD +5V 10AMP		Š						
023	01	51908902	3	1		PÇ	ALARM AUDIBLE LUG FIG 2		ē						
024	01	71455801	2	2	:	PÇ	STANDOFF MALE/FEMALE 4-40	SŢĻ	P						
025	01	51858501	ã	4		PÇ	SCR TPG HEX-WSHR SLT 10X1	/2	8						
026	01	10126403	4	10		PC	WSHR NO.10 EXT TOOTH LK T	YP Ā	8						
	01	51858529		10	ł	PC			8		120	529			78
027	02	51917790	1	16	1	PČ	SCREW HEX WSHR HD 8-18X1/	2	8	15658				7812	
928	01	10126402	é	1		PÇ	WSHR NO.8 EXT TOOTH LK TY	PĄ	8						
950	01	00860303	?	8		PÇ	MSCR SLF-LKG HEX 6-32X3/8		8						
030	01	00860311	0	6		PÇ	MSCR SLF-LKG HEX 8-32X3/8		8						
931	01	10125606	ż	ş	:	PÇ	WASHER FLT NO.8 STL CP		8						
032	01	61391105	ē	1		PÇ	GND WIRE ASSY 7.5 166A		ě						
033	01	10127153	4	ą		PÇ	MSCR PAN PHL 1/4-20X 1/2		В						
034	01	51858503	9	5		PÇ	SCR TPG HEX-WSHR SLT 10X3	/4	В						
035	02	95125301	z		010	oz	LOC TITE SEALANT RED		8	11774				7732	
36	01	10125108	ò	5		PÇ	NUT. HEX MSCR 10-32 STL C	P/ZP	8						
37	01	66599635	1	REF		PÇ	GENEALOGY LIAT DSPLY		D						
39	01	51805801	1	4	-	PÇ	BUMPER. RUBBER .300H SLF-	STKG	P	A					
40	01	10125603	Ģ	ş	:	PÇ	WASHER FLT NO++ STL CP		9						
- 1	ı	10126400				1	WSHR NO.4 EXT TOOTH LK TY		1 1	1		1		1	1

62962300 E

		BUILD AR	c	440			ASSEMBLY I	PARTS L	IST	04-27-7		3 + - '	0001	
DIV.	T.			EV.	DWG.		DESCRIPTION	I MC	STATUS	STATUS DATE	ENG. I		FILE C	
0860	۲		9		D	TEO	M DSPL 80x12 FTZ :		REL	10-28-76	CC61		04-2	
FIND NO	LI	PART NUMBER	CD N	QU	ANTITY	U/M	PART DESCRIP		MC YLD	ECO. NO. IN	ECO. NO. OUT	. 5/N	WK IN	WK O
042	01	10125103	1		š	PÇ	NUT. HEX MSCR 4-4	O STL CP/ZP	8					
045	01	71474100	ē		1	PÇ	LABEL A. CC CHAS	6.4IN VINYL	P					
046	01	71474106	3		1	PÇ	LABEL B. CC CHAS	3.4IN VINYL	P					
048	-	71479302	17		1		LABEL. CARD PLACE	•			1			
049	- 1	71479400	!		1		LABEL LOG CD SW	•	P					
	01	71479500	į		1	PÇ		-	P					
051	01	61391104			1	PÇ			Ā					
	01	95558018 61391107			1 30	-	GND WIRE ASSY 12.		<u> </u>					
	01	51776601	1		1	- 1	CLAMP. CBL (4) 3/	•	8					
	01	15010307	Γ		1	PC			P					
	01	71492174	11		1	PC			A					
057	01	51917050	11		50	0 PC	MAGNET BAR		P					
058	01	51917051	8		50	O PC	MAGNET BAR		P					
059	01	51917052	6		50	0 PÇ	MAGNET BAR		P					
060	01	51004063	7		10	o oz	ADHĘSIVĘ, SĘALĄNI	SIL RUBBER	В					
061	01	16042739	9	RE	E	PÇ	GEOM DIST CORRECT	TION	D					
062	01	24528627	3		50	o FŢ	TBG, INSUL NO.13	CLEAR UL PVC	B	119654			7706	
							0060 TOTAL LINES			ļ				



П





						ACCUMIN DART		CT	PRINT DA			CHANGE P	
		HUTLD AR	С	440	1	ASSEMBLY PARTS	,		02-09-			- ************************************	24
DIV.	AS	SEMBLY NUMBER	CD D	REV. DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RES	P		
860		15611306	٦ ا	0	TER	M. DSPL FTZ 50/60H7 (TA)	N	REL	10-28-7		E /N	02-0	
FIND NO	ti	PART NUMBER	CD A	QUANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	3/N	WK 18	
001	r1	71491937	0	1	PC	REZEL CRY 12 IN SHIELDED		P					
002	01	71491938	8	1	PC	HOOD TERMINAL SHIELDED		P					
003	11	71491939	6	1	PC	PANEL ACCESS		P					
004	01	61401002	3	1	PC	LOGIC CHASSIS ASSY FTZ		A					
005	01	61407520	В	1	- 1	KEYRARD ASSY 95 KEY (SH	ELD) N		ļ			
006	61	61370601	9	١		PANEL ASSY INDICATOR		A		!			
007	01	61375801	1 0	1		SWITCH PNL ASSY		1					
00B	6.3	61370700	9	1	1	CARLE ASSY (FRONT)		^					
009	61	61402600	3	1		CABLE ASSY KEYROARD INTE	RNAL					ļ i	
010	01	63401200	3	1	1	CABLE ASSY D.C. POWER							
011	01	6) 375500	9 4	1		CABLE ASSY (POWER ON)				11965			. 77
012		7]491976 7]492276		1	PC	HASE TERM SHIFLDED HASE TERMINAL SHIELDED		P	11965			7706	
013	01	6137490	0 1	1	PC	CABLE ASSY (CRT)		A				!	
014	01	6137100	0 3	1	PC	PANET ASSY (CONNECTOR)		A					1
015	0.1	6137110		1	PC	PANEL ASSY (AC ENTRY) 60	нZ	A	12745	12745			
016	01	6137090		1	PC	VIDEO DISPLAY ASSY		G	,_,,				
017	01	9042170	0 7	1	P	CO ASSY ADMO PM SPLY FLT	R 9V	A					
018	01	5190560	0 6	1		C XFORMER POWER		P					
019	01	9044570	5 8	1	l	C CD ASSY ARXD-4 REFRESH C		A					
020	01	9044210	o¦ 5	1	P	C CD ASSY 4BYD-1 PROCESSOR	80	Α					

			_			ASSE	ME	ll Y	D	A D1	1 21	IS	r	PRINT D		PAGE		CHANGE	
		BUILD ARC	_	440		-JJE			T /	-m				02-09-	17		12745		_
DIV.	1	SSEMBLY NUMBER C	_	REV. DWG.			DESCRI	PTION			MC	STA	TUS	STATUS DATE	-	ENG. R	ESP.	FILE	ATE
BAO.	Ц,	15411306		ا ع		4. DSPL				(TA)	N	RE		10-28-7		CC61		05-0	
FINB NO	u	PART NUMBER	CĐ.	M QUANTITY	U/M			PART DES	CRIPTION			MC	AFD	ECO. NO. IN	RCO.	NO. OUT	S/N	WK IN	WK C
023	01	90444900	6	1	PC	CD ASS	Y 5A	CD-3	HEMO	RY		N							
055	01	90393600	3	1	PC	CD ASS	Y 48	RD +9	5V 10	AMP		A							
023	01	51908902	3	1	PC	ALARM	AUDE	BLE I	.UG F	IB S		P							
024	01	71455801	2	2	PC	STANDO	FF M	ALE/	EMAL	E 4-	40 STL	P							
025	01	51858501	3	3	-	SCREW					-	R		12745	/2	2745			
926	- 1	10126403	*	冷	1.	AZHS M								12745		L745			
027		51917790		10	-	SCREW						В		12629 12 74 5	/.	2745			
028		10126402		1	1.	WSHP N	_					В							
029		00860303			1	MSCR S													
036		00860311 10125606		6 2	1	MSCR S					368376	8				745			
032		61391105		1	1	AND MI						A			12	///			
033	01	10127153	4	2	PC	SCRW M	ACH I	PH 1,	/4-20	x1/2	CRSRO	8							
034	01	51858503	9	5	PC	SCRFW	3/4L	SZ 1	10 HE	X.		R							
035	01	95125301	2	AR	OZ	LOC TI	TE S	EALA	NT RE	D		8			15.	745			
036	01	10125108	0	5	PC	NUT HE	X MC	H 10-	-32 S	TL C	PORZ	R							
037	01	66299633	9	REF	PC	GENEAL	OGŸ I	LIAT	DISP	LAY		Đ							
039		51805801		4	1	RUMPER					F-STK								
040		10125603		5		WASHER	_				•	8							
041		10126400		•	1	WSHR N	-					8							
042	01	10125103	1	5	PC	NUT HE	X MC	H 4-	0 ST	L EP	UR ZI	8			L				<u> </u>

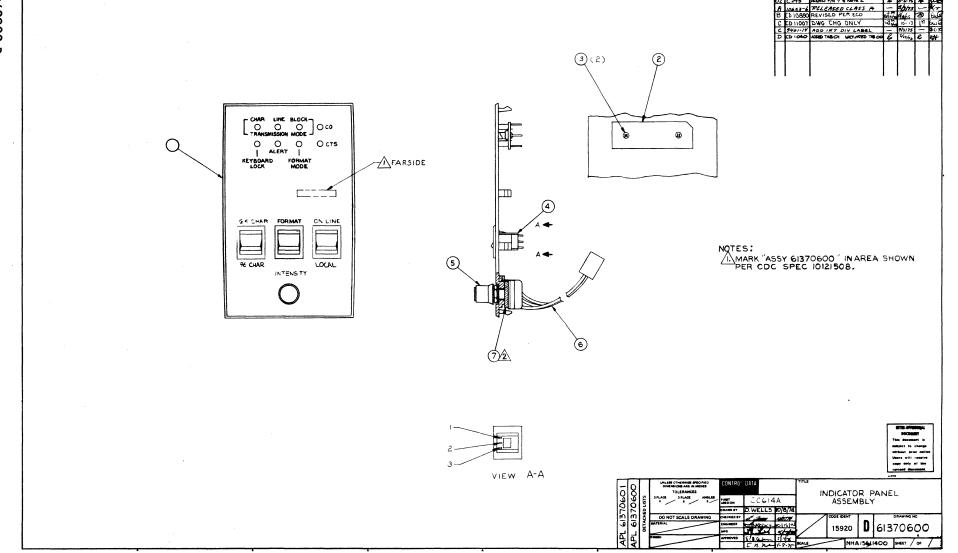
							ACCEMBLY DADTO		ICT	PRINT D	175 P	AGE	FILE	CHANGE	NO.
		BUILD AR		440			ASSEMBLY PARTS			02-09-			2745	****	
DIV.	1.	SSEMBLY NUMBER			WG.		DESCRIPTION	MC	STATUS	STATUS DATE	EN	G. RESP.		FILE D	ATE /
1860	L,	15611306	-				M. DSPL FTZ 50/60H7 (TA)	N		10-28-7		614E		02-0	
FIND NO	LI	PART NUMBER	CD N	A QUAI	NTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OU	17 9	S/N	WK IN	WK OU
045	01	71474100	6	1		PC	IARFI A. CC CHAS 6.41~ VI	INYL	Р			1			
046	01	71474106	3	1		PC	LABFI B. CC CHAS 3.4IN VI	NYL	P				1		
048	01	71479301	5	ı		PC	LARFL, CARD PLACEMENT TAP	3-01	P						
049	01	71479400	5	1		PC	LABRE LOG CO SW AND AUJUS	5 T	P						
050	03	71479500	1	1			LARFE A/C D/C CARLE INTER	₹	P						
051		61391104	1	1			GND WIRE ASSY 4.5 16GA		6						
052	-	95558018	1	_		ļ	TAPF, COPPER FOIL W 1.00		В			İ	!		
053		61391107 51776601	1.1	1			GND WIRE ASSY 12.5 1664 CLAMP, CRL (4) 3/32DIA NO	1 M	A				!	ĺ	
055	-	15010307	1 1	1			ID FMBLEM. PRODUCT MEDIUM		P				ļ	i	
056		71492174	1	1			GROUND CLIP CRT		A					i	
057	01	51917050	0		500	PC	MAGNET BAR		P						
05A	01	51917051	8		500	PC	MAGNET BAR		P				1		
059	01	51917052	6		500	PC	MAGNET BAR		P				ĺ		
060	03	51004063	7		110	PC	ADHESIVE, AMBER SYN ELAST	TOMER	8 8						
061		16042739	1	REF			GEOM PIST CORRECTION		D						
065	01	24528627	3		500	FT	TUBTNA INS SZ 13 CLEAH		В	119654				7706	
							0059 TOTAL LINES								
			-		4					L					

PART NO

01

61370600 INACTIVE - REPLACED BY 61370601

INDICATOR PANEL ASSY

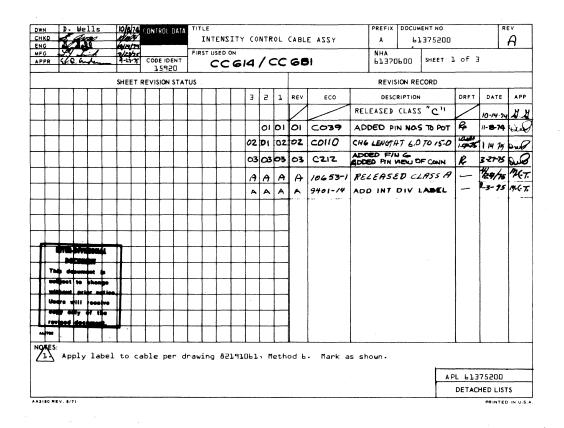


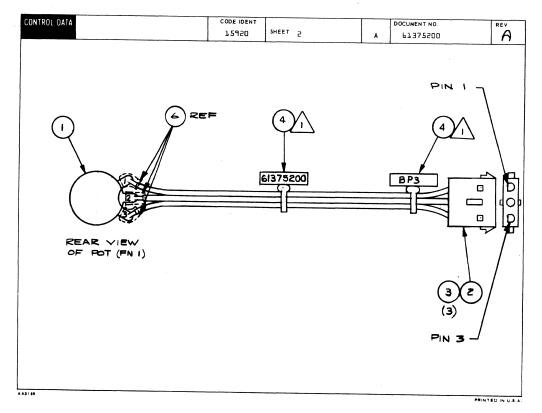
RELEASED CLASS
OI CO45 REVISED PER ECO
OZ C295 MODED FN 7 4 NOTE 2

/-33//-34



							ACCEMBLY DADE	LICT			PRINT D	ATE	PAGE	FIL	FILE CHANGE NO.		
		BUILD ARC 220				ASSEMBLY PARTS L					12-10-7	5	1		00011060		
DIV.	1		CD	REV.	DWG.		DESCRIPTION	MC		TATUS	STATUS DATE		ENG. RESI		FILE C	ATE	
0860		61370601		<u>, D</u>			EL ASSY INDICATOR	A		ĘL	05-09-75		C6B1A		12-10-75		
FIND NO	LI	PART NUMBER	CD	M _	QUANTITY	U/M	PART DESCRIPTION		-	AFD	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	WK OU	
001	61	71453100	1		1	PC	INDICATOR PANEL		P				ı				
002	01	90411600	1		1	PC	CD ASSY 4CKD (LED PANEL)		G								
003	0 1	18607900	0		2	PC	SCREW 4-24X1/4		8								
084	01	61401100	5		3	PC	SWITCH ASSY		A								
005		51915101	1		1	PC	KNOR SKIRTED PUSH ON		P								
996	•1	61375200	5		1	PC	CONTROL ASSY(INTENSITY)		6								
			į				0006 TOTAL LINES			l							
			-														
			-														
			-						İ								
			į														
			-													: :	
			t 1										!				
			;														
					l												
			1														
			į														
			1	<u></u>	L				L								

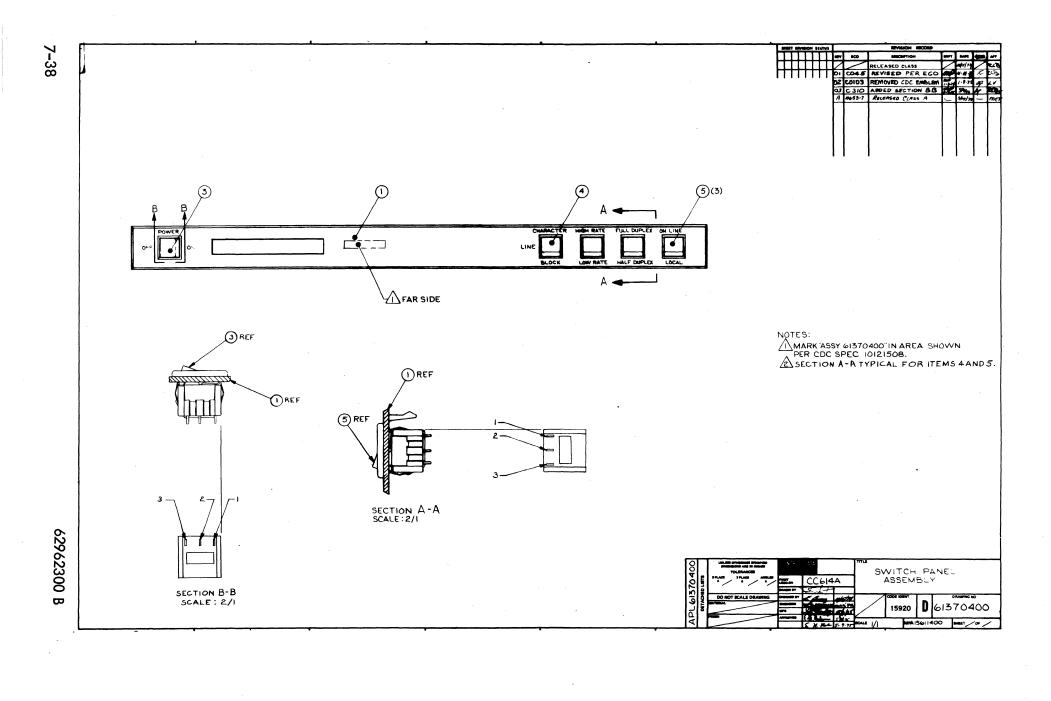




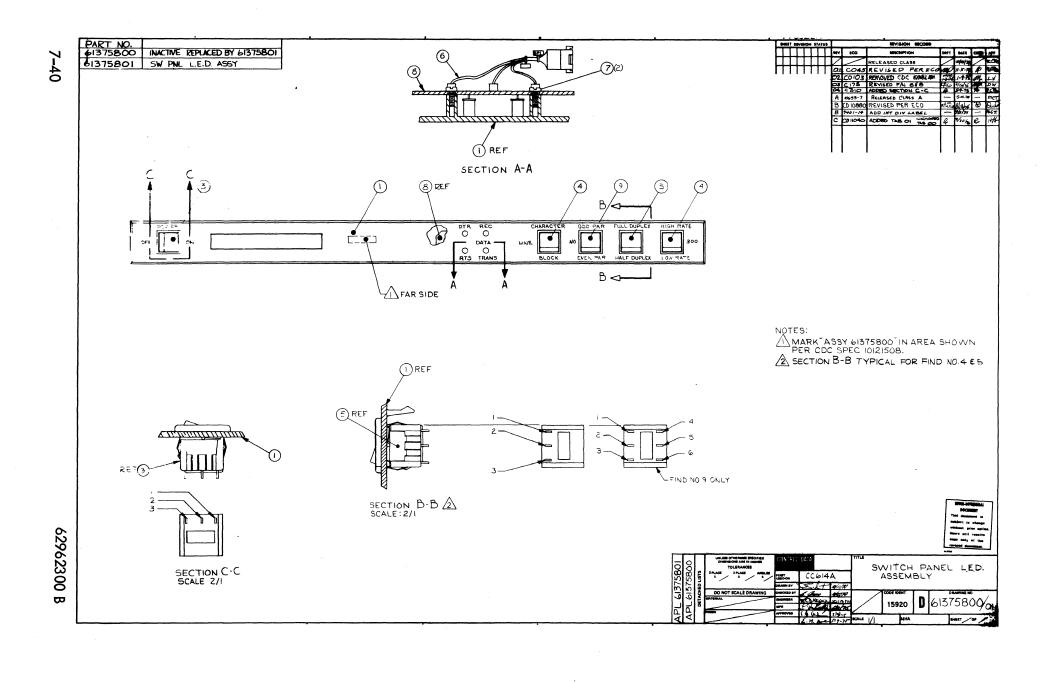
CONTROL D	A1A					1592		1 EE T 3		WL	DOCUMENT NO. 61375200	"A	
ONDUCTOR IDENT	FIND NO	GAUGE (REF)	COLOR (REF)	LENGTH (APPROX)	ORIG	in	ACCESS	DESTINA	TION	ACCESS FIND NO	REMARKS		
ı	5	50	4	1,5.0	РОТ	1	1,6	B P3	ı	3			
5	5	50	4	15.0	POT	2	1,6	BP3	2	3			
3	5	50	4	15.0	POT	3	1,6	BP3	3	3			
							 		+-				
							.		<u> </u>	 			
							 			 			
							ļ		-	ļ			
						-			+	 			
				-			 	ļ	+-	 			
						1	 		+	†			
			T				1			1			

								ASSEMBLY PARTS		IC	T	PRINT DA		PAGE		CHANGE	
		BUILD AR	C	104								09-33-7	•		1	/01000	
DIV.	A	SSEMBLY NUMBER C	D	REV.	DW	G.		DESCRIPTION	MC	_	ATUS	STATUS DATE		ENG. RE	SP.	FILE D	
0860		61375200		_A_	A			ROL ASSY (INTENSITY)	G	R		04-24-75		TAT		09-03	₩K OU
FIND NO	LI	PART NUMBER	CD	M Q1	UANT	ITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	WK OU
001	01	51899042	9		1		PĊ	RES VAR .1MEG OHM 2W 10P		P							
002	01	51905901	8		1		PĆ	CONN RECET 3 CONTACTS		P							
003	0 Ì	51906200	4		3		PĊ	SOCKET CONTACTS		P							
004	01	94277409	2		2		PĊ	STRAP CABLE TIE TYPE 6		P							
005	01	93462444	6		- 1			WIR 20GA STRD YEL 300V UL	PVC								
006	01	24534707	5			200	řŤ	INS SLEEVE 3/16 BLACK		8							
								0006 TOTAL LINES									
			1														
			į	1			1					1		1			

62962300 B

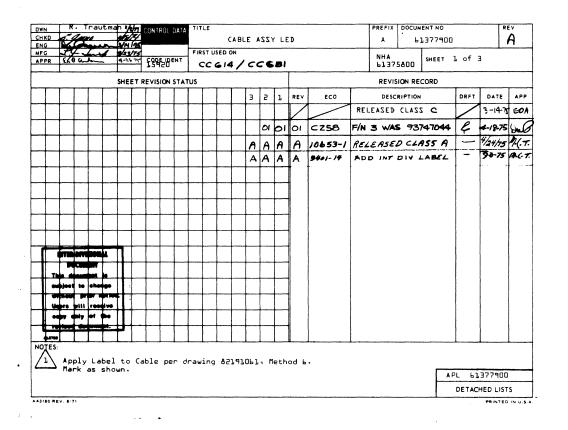


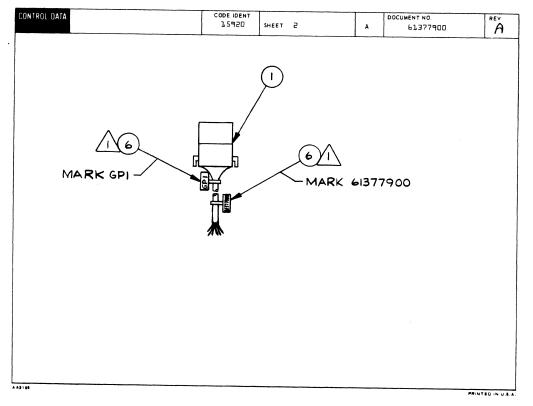
														**	PAGE		e cuanci	
		BUILD AR	С	164			1	ASSEMBLY	PARTS L	.1	S1	Г	05-19-1		PAGE		0106	
DIV.	A	SSEMBLY NUMBER		REV.	DWG.	1		DESCRIPTION	Mc		STAT		STATUS DATE	Ť	ENG. R	1	FILE C	
360	T	61370400	_		D			L ASSY (SWÍTCH)	A	+-	RE		05-14-75	. +	CĊ614		05-19	
NDNO		PART NUMBER	CD	M 90	ANTITY			PART DESCRI			W.		ECO. NO. IN	ECO. N	D. OUT	S/N	WK IN	WK C
							_			1	_							
001	91	71453000	3		1	P	c	PANEL SWITCH			P				ļ			
003	01	51906412	5		1		č	SWÍTCH ROCKER		-	P				1			
904		51986401			1		آة	SWITCH ROCKER			P							
			: 1		1					ı								
105	01	51906400	•		3	P	Č	BWITCH ROCKER		1	P							
-			1					0004 TOTAL LINES	i		-	Ì						
								- ·-				1						
			:								1		İ		-			1
			1															
ł	- 1		1			- 1	1											
-											-	-						
1										-		- 1			1			
			1		-		-											
	- 1										1	-						
- 1	- 1		Н		-	- 1	1			-								i
							ļ											
i							1											
			: 1															į
			1															
-					-							- 1					i	i
	1																	
			:															j
			:				İ											
			:								-							
			1														1	
			:		ı		-			1		- 1					İ	



		H	_				ASSEMBLY	DADTC		ı¢	T	PRINT DAT			ILE CHANGE	
		BUILD ARC	<u>ن</u>	220			MOSEMBLI	PARIS	L			12-10-75		1	0001	1040
DIV.	^	SSEMBLY NUMBER	CD	REV. D	WG.		DESCRIPTION		MC	57/	ATUS	STATUS DATE	ENG.	RESP.	FILE	DATE
860		61375800 2	-				ACED BY 61375801		A	IN		12-05-75	CC61	4A	12-10	
FIND NO	LI	PART HUMBER	CD	M QUAN	ITITY	U/M	PART DESC	RIPTION		WC	AFD	ECO. NO. IN	ECO. NO. OUT	S/N	MK IN	WK OL
001	01	71456100	8	1		PC	PANEL SWITCH			P						
003	01	51906412	5	1		PC	SW. ROCKER SPOT	ON-NONE-ON		P						
004		51906401		1			SW. ROCKER SPDT			P	1		10880			752
004	02	51906401	8	2	l	PC	SW. ROCKER SPOT	ON-OFF-ON		P		10880			7529	
005	01	51906400	0	3		PC	SW. ROCKER SPOT	ON-NONE-ON		P			10880			752
005	02	51906400	0	1		PC	SW. ROCKER SPOT	ON-NONE-ON		P	li	10880			7529	
006	01	61377900	8	1		PC	CABLE ASSY LED			G						
007	01	18607900	0	2		PC	SCREW 4-24X1/4			8						
800	01	90417300	2	1	İ	PC	CD ASSY ADFD (LED	PANEL)		G						
009	01	51906407	5	1		PC	SW. ROCKER DPDT	ON-OFF-ON		P		10860			7529	;
			-		Ì		0010 TOTAL LINES	3		1						
			i											!	1	
			-	1	į					1						
			i	1								ļ				
			į									ŀ			į.	
			1	1						1		1		İ	į	
			1							1	1 1					
			1		ļ									į		
			:							1		-			1	1
			ì		}					1				}		i
i			;								1 1	ĺ				
			;								1 1	1			i	1
			į									1				İ
			;			1				1	1 1	į				1
			i		1							1		1	1	
- 1			-		1	1					1					i
			į							1		-				1
			i			1				1		-				1
			!		ĺ						1 1			1		1
			1							1	1 1					

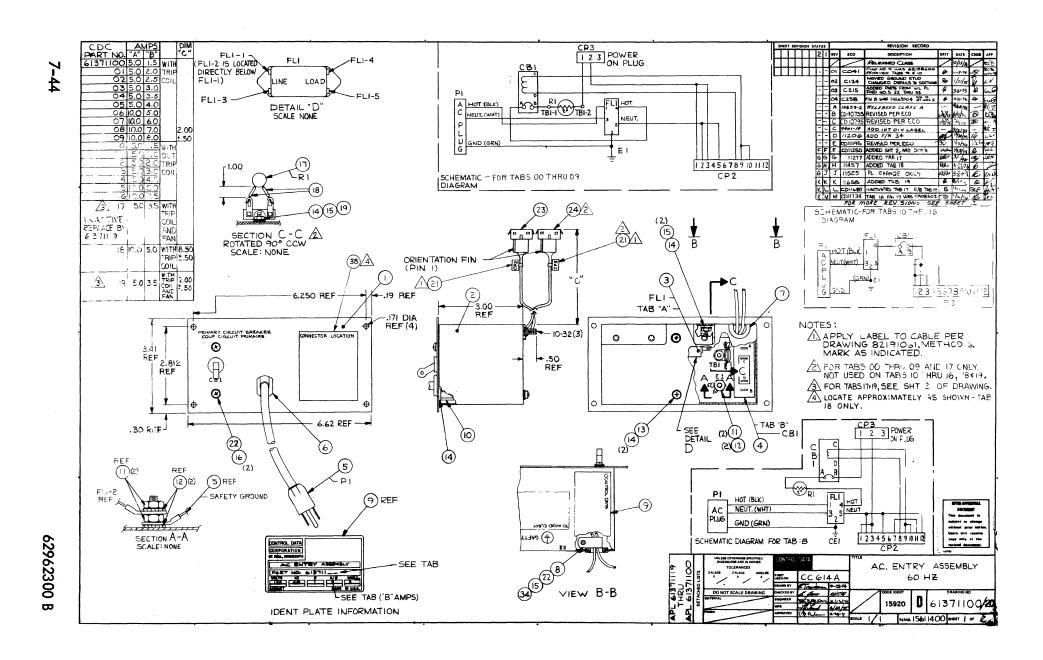
							ACCEMBLY DART			-	PRINT DATE	PA	36 F	ILE CHANGE NO).
		BUILD AR	С	550			ASSEMBLY PART	2 L	121		12-10-75		1	000110	40
DIV.	+ '		CD	REV.	DWG.		DESCRIPTION	MC	STAT	US	STATUS DATE	ENG	RESP.	FILE DATE	E
860	_	61375801		,,c	A		CH PNL ASSY	A	REL		05-14-75		LA/B	12-10-	
FIND NO		PART NUMBER	100	M 0	UANTITY	U/M	PART DESCRIPTION		MC 1	ALD	ECO. NO. IN	CO. NÖ. OUT	S/N	WK IN WI	K OU
001		71456100	8		1	PC	PANEL SWITCH		P						
003	-	61401102	1		1	PC	SWITCH ASSY		A	-					
004		61401101	i		2		SWITCH ASSY		A						
005	-	61401100	1	1	1		SWITCH ASSY		A						
006	•	61377900 18607900	1	}	1		CABLE ASSY LED		G						
008		90417300	1	1	2		SCREW 4-24X1/4 CD ASSY 4DFD (LED PANEL)		B					1	
009	-	61401103	1		1	1	SWITCH ASSY		A						
	-				1		OOOR TOTAL LINES								
				The state of the s											
													-		

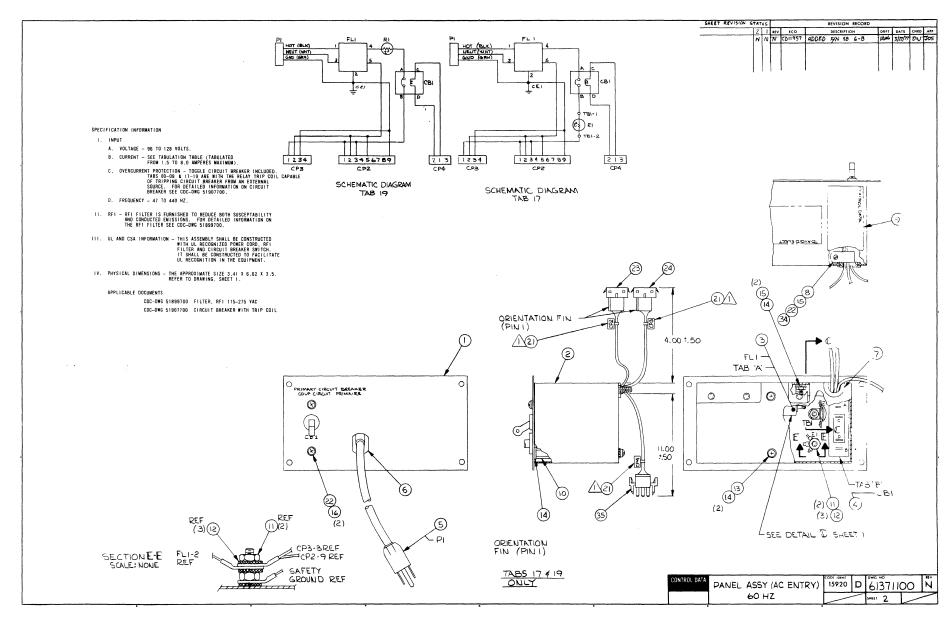


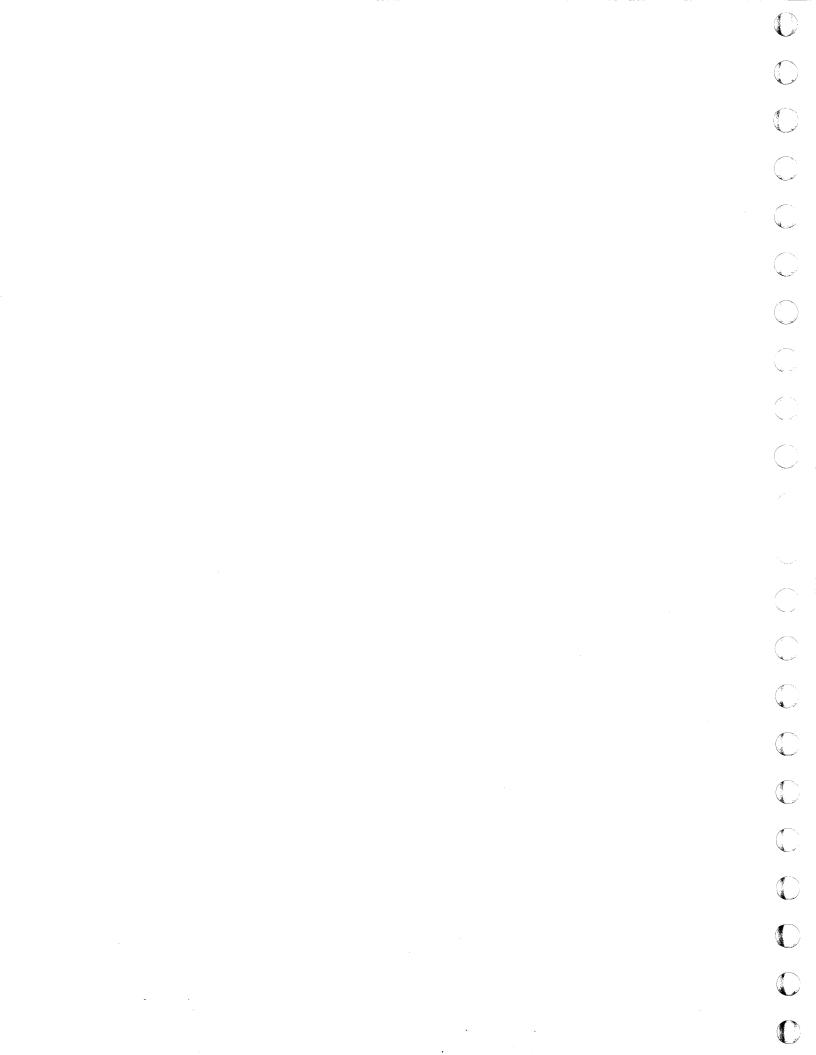


CONTROL D	ATA					1592		неет з		WL	DOCUMENT NO 61377900		REV A
CONDUCTOR IDENT	FIND	GAUGE (REF)		LENGTH (APPROX)	ORIC	ın	ACCESS	DESTINA	TION	ACCESS FIND NO	REA	ARKS	
ı	4	24	9	Ь	G Pl	5	5	E٩		3	+ 5 V		
2	4	24	9	Ь	G P L	ч	2	ES		3	DTR		
3	4	24	9	ь	G P L	3	5	E3		3	RCV		
4	4	24	9	Ь	G Pl	2	2	ЕЬ		3	XMIT		
5	4	24	9	Ь	G Pl	ı	2	E7		3	RTS		
										<u> </u>			
								↓		L			
		ļ	L				├			L			
		ļ			ļ			ļ		 	!		
			-					 	-	<u> </u>			
		├	 	-			 	 	+-	-			
			 		<u> </u>		├	 					
····			-	 	 		 	-	+-	 			
			 			_	 	 	+-		<u> </u>		
		-			 -	+-	1	 	+-				
						_	 	†	_	-			
						\neg	T	<u>† </u>					
				†			1	†	_				

		BUILD ARC		104			ASSEMBLY PARTS	L	151	Г	09-43-75		PAGE	94611	O 1 0 6 5	3-1
DIV.	Τ,	SSEMBLY NUMBER C	o l	REV.	DWG.	·	DESCRIPTION	MC	STAT	US	STATUS DATE		ENG. RE		FILE I	
368	T	61377900 8		A	A	CAB	E ASSY LED	6	REL		04-24-75	LI	AT		09-13	-75
IND NO	LI	PART NUMBER	CD	M QL	ANTITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	WK O
001	01	92948005	,	1		PC	CONNECTOR 6 PIN HOUSING		-							
002	01	93942014	7		•	PC	CONTACT PIN 30-22 STREP		P							
003	01	53654700	7	!	5	PC	CONTACT RECPT ELEC 24-20 A	₩G	P							
004	01	24548310	3	7	500) F T	WIR 24GA STRD WHT 300V UL	PVC	*							
006	01	9\$277409	2	ā	١.	PC	STRAP CABLE TIE TYPE .		P							
							0005 TOTAL LINES									
											1					
											1					
					-											





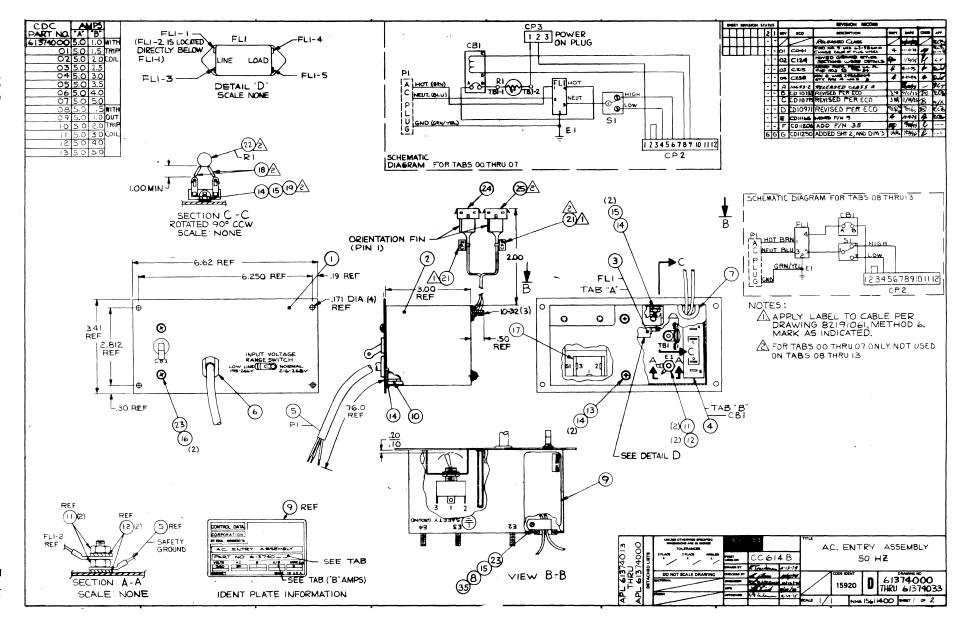


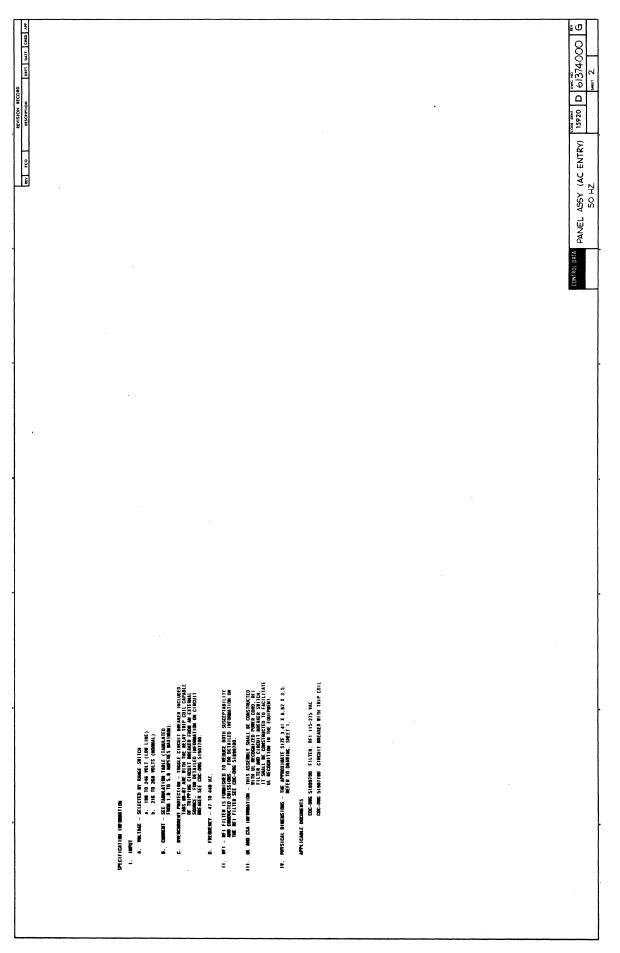
												,	
							ASSEMBLY PARTS	11 2	ST	PRINT DA		FILE CHANGE	
		BUILD ARC		104						02-10-7		0011	
DIV.	+	SSEMBLY NUMBER CE	4	REY. DI	WG.		DESCRIPTION	MC MC	STATUS	STATUS DATE	ENG. RES	P. FILE	DATE
860	4	61371104 3				PANI	L ASSY (AC ENTRY) 60 HZ	A	REL YLD	04-28-75 ECO. NO. IN	ECO. NO. OUT		0-77
FIND NO		PART NUMBER	CD	M QUAN		U/M	PARI DESCRIPTION		11.0	PCO. NO. IN	PCO. NO. OUT	3/11	
001	01	71455100	9	1		PC	PLATE AC ENTRY BOHZ ICES	5)	P				
992	01	71455000	1	1		PC	COVER AC ENTRY		P		Ì		
003	91	51899703	6	1	}	PC	FILTER, RFI 54 115-275V 5	SLD	P				
004	01	51907705	1	1		PC	CB W/TRIP COIL 3.5AMP 250	OVAC	P				
005	61	51899900	8	1		PC	CORN, 3 WIRE PWR UL 9FT C	3RA	P				
996	01	36158909	6	1		PC	RUSHING, STRAIN-REL BLK	NYL	В				
007		51809821		AR			CHAN, RUBBER 1/32 SLT EXT		В	11286	11206	7606	76
007		51809821	_ 1		167	l	CHAN, RUBBER 1/32 SLT EXT		В	11500		7800	
800		24565002		1		1	CLAMP, 1/4DIA CABLE BLK				-		
009	01	15010500	- 1	1			ID PLATE, CABINET SMALL \		1 1		}		
010	01	36053425	9	1		PC	STANDOFF, HEX CFS 6-32X3	.000	P				
011	02	10125108	0	5		PC	NUT HEX MCH 10-32 STL CP	OR Z	В	10733		7528	
012	01	10126403	4	5		PC	WSHR NO.10 EXT TOOTH LK	TYP A	8				
013	01	10127113	8	5		PC	MSCR PAN PHL 6-32x3/8 (T)	YP I)	В				
014	01	10126401	8	6		PC	WSHR NO.6 EXT TOOTH LK TY	YP A	В				
015	01	10125105	6	4		PC	NUT HEX MCH 6-32 STL CP (OQ ZP	В				
016	01	10127111	2	5		PC	MSCP PAN PHL 6-32X1/4 (T	YP 1)	В				
017	01	51908602	9	1		PC	THMS, DISC 2.5 OHM 10P 14	4 MW	P				
018 018		51797414 24563704					TBG. INS .066DIA T/W NAT INS SLVNG HI TEMP 18AWG	TEF	8 B	11206	11206	7606	76
019	01	36085800	5	1		PC	STRIP, TERM LUG-TYPE (52))	Р				
020	03	61369800	0	REF		PC	W/L &C ENTRY PANEL ASSY	6 n H Z	D				

		BUILD AR	_	104			ASSEMBLY PARTS	i L	IS	T	02-18-7		2 1	0011	
DIV.	_	ASSEMBLY NUMBER !	_		wg.		DESCRIPTION	MC		TUS	STATUS DATE	ENG. F		FILE S	
860	+	61371104	+		D	DANI	L ASSY (AC ENTRY) 60 HZ	A	RE		04-28-75		• • • • • • • • • • • • • • • • • • • •	02-1	
FIND NO	u	PART HUMBER	CO			U/M	PART DESCRIPTION			ATD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	
02 Ï	91	94277409	2	5		PC	STRAP CABLE TIE TYPE 6		В						
055	01	10126103	0	3		PC	WSHR NO.6 INTL TOOTH LOCK	STL	8						
023	01	51905905	9	1		PC	CONN RECPT 12 CONTACTS		P						
024	01	51905901	8	1		PC	CONN RECPT 3 CONTACTS		P						
025 025				9			CONTACT, SKT 20-14GA STRI CONTACT, SKT 20-14GA STRI		P		11525	11525		7619	761
026	01	62121109	3	4		PC	TERM RECP FSTN 16-14 AWG	BLU	В						
027	01	51797236	0	1		PC	LUG, CRMP R TERM 16-14GA	1055	В						
028	01	93463444	5		50	0 FT	WIR 18GA STRD YEL 300V UL	PVC	w						
029	01	93464222	4	5		FT	WIR 160A STRD RED 300V UL	PVC	w						
030	01	93464444	4	4	25	0 FT	WIR 16GA STRD YEL 300V UL	PVC	w		1				
031	01	93463555	8		62	FT	WIR TOGA STRD GRN 300V UL	PVC	w		Ì	!			
032	01	24528617	4		33:	3 FT	TBG. INSUL NO.6 BLK UL PV	С	В						
033	01	51797217	0	1		PC	LUG, CRMP R TERM +22-18GA	105	В						
034	01	10125605	5	1		PĊ	WSHR NO.6 TYP A PLAIN STL	СР	8		11206			7606	
035	01	51906201	2	3		PC	CONTACT. SKT 20-14GA STRI	PT	P	Ì	11525			7619	
							003A TOTAL LINES								
						1									

WN HKD	R		autr	an	9-10-1 10-1		IN TR		Δ'Δ	TITI		'L A	(F	NTR	YF	ANF	LAS	SY PDHZ	- 1	REFIX	1	.00 тизь 369800		RE	Č
1G	1	44			إوارا					Ein		ED O							-+	NHA	<u> </u>				
PPR	14	8.1	<u>~</u>		447		00E	IDE	NT	r He c	31 03			614	٠/٠	cc.	68	1		6137	7700	SHEET	1 of	2	
					HEET	RE	VISI	ON S	TAT	US										REVI	SION RE	CORD			
T				٦											5	ı	REV	ECO			RIPTION		DRFT	DATE	APP
T																			REL	EASE	D CLA	zz' č "		10-15-74	1.3
T				1	T										01	01	01	C0110	ADDE	Cor). IDE	UT 14	1-9-75	1-14-95	اس
															02	OZ	OZ	CZI5	MOVE	D PA	RIS TE	NHA	A	3-28-75	au
T					\top	1									23	03	C8	C258	CONP.	4 L	SNETH	WAS 5	F	4-21-75	0
T	1				1	7									A	A	A	10653-2	RELE	ASE	D CL	.A55 A	_	44/3	% (,-
1	T				7	7									A	В	В	CD 10795	WL (CHG	ON	LY	7/8/75	8	90/
T						1									Ç	С	C	11206	CHO	S LE	NGT	H (5,10¢12)	mp	12/10/15	يوزننا
\dagger			\Box		\dashv																				
+	t^-				1	1											١								
+	T		\Box			1										Г									
+	+	-	\vdash			_	-	_								-	1	1	l						
+	+	-	\vdash	-	+	\dashv	-		_	\vdash	<u> </u>		-		<u> </u>	-	1								
+	+	┢	\vdash		\dashv	\dashv	-		 -		-	\vdash	-	-	-	┢									
+	+	┝	H		\vdash	-	-		-	-	-	-		-	-	┢	l							1	
+	+	├	\vdash		\vdash	\dashv			-	-	-	-	-	-	-	\vdash	1								
IOTES		<u> </u>	Ш		Ш			L	L	L	L	<u> </u>	L_	<u> </u>	L	<u></u>	<u> </u>	<u> </u>	1				L	<u></u>	L
		or	fino	d n	o. i	der	ti	fic	ati	on	see	AP	LЬ	1,37	110	10 t	hru	61371109	•						
																						Γ	DETAC	HED LIST	rs

η ν *ΡήςΔ	ĪΑ						E IDENT 5920	SHEET	5		WL	DOCUMENT NO. REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)	ł	LENGTH (APPROX)	ď	DRIGIN		ACCESS FIND NO.	DESTINAT	ION	ACC FIND	DEMADYS
ı			0	Ь	P1				FLL	1	36	PWR CORD (HOT)
5			9	Ь	P3.				FLL	3	32	PWR CORD (NEUT)
3			5	3	P],				CET		27	PWR CORD (GND)
4	30	16	4	5	CP3		ı	24 125	TBl	5		LINE HOT TO SW
5	30	16	4	3	FL]		4	32	CBT	A	5.	HOT TO C.B.
Ь	30	76	4	4	CBJ		В	5P	TBL	ı.		HOT FROM C.B.
7	29	16	2	5	CBT		c	5.P	CP2	9	53	-25 TRIP VOLTAGE
A	85	78	4	3	CP2		9	23,25	CP2	10	53	-25 TRIP VOLTAGE
9	29	16	5	5	CBJ		D	SP	CP2	8	53	-25 TRIP RETURN
70	30	16	4	4	E9)		5	24,25	CP2	1	53	-25 HOT FROM SW
11	59	18	4	3	CP2		J.	23,25	CP2	3	23	-25 HOT FROM ZW
75	30	16	4	4.5	FLL		5	35	CPE	5	53	-25 NEUTRAL
73	59	18	4	3	CP2		5	23,25	CP2	5	23	-25 NEUTRAL
1.14	37	18	5	7.5	FLL		2	35	CEL		33	GROUND
											T	
											T	
											Ī	
								Ī	<u> </u>	1	1	





7–50

		BUILD ARC	104		-	ASSEMBLY PARTS L		01-14-76		0001	25
860		61374002 6	G			DESCRIPTION MC EL ASSY (AC ENTRY) 50 HZ A	REL	STATUS DATE 04-28-75	ENG. RESP.	01-14	-7
001	01	71455200 7		L	U/M	PLATE AC ENTRY 50 HZ	MC YLD	ECO. NO. IN	CO. NO. DUT \$/9	WKIN	WK (
	01	71455000 1		1		COVER AC ENTRY	P				
	01	51899703 6		1		FILTER RFI 115-250 VAC	P				
	01	51907702		1		CB TRIP COIL 275V 2.0AMP	P	ĺ			
	01	71446500 2		ı		CBL ASSY(AC PWR) WIRE PREPSON	z N		10971		75
	0.5	71446502 8		1	PC			10971		7538	
	02	36158909 6 36158910 4		1		BUSHING STRAIN RELIEF BUSHING STRAIN RELIEF	P	10733	10733	7528	75
	01	51809821 5			FT			11206	11206	7606	76
	01	51809821 5 24565002 3		1 10,		CHANNEL RUBBER EXT U 1/32 SL	8	11206		7 0 0 0	
1	01	15010500 5		1		I.D. PLATE CAPINET	P				
	01	36053425 9		1	PC		P				
011	01	10125108 0		1	PC	NUT MACH HEX STL CP 10-32	8		10733		75
	0.5	10125108 0		2		NUT MACH HEX STL CP 18-32	В	10733		7528	
	01	10126403 4 10126403 4		1		WASHER LOCK EXT NO. 18 WASHER LOCK EXT NO. 10	8	11206	11206	7606	76
013	01	10127113		2	PC	SCREW PAN HD 6-32X3/8 CAD PL	r B				
014	01	10126401 8	1	6	PC	WASHER EXT TOOTH LOCK NO.6	8				
015	01	10125105 6		4	PC	NUT MACH HEX STL CP 6+32	R				
016	01	10127111 2		2	PC	SCREW MACH 6-32X1/4 PAN HD	8				
017	01	51902400 4		ı	PC	SWI TOGGLE 10A 250V	P				
018	01	51797414 3		167	FT	TUBING INS THIN WALL	В		11206		76
-		BUILD ARC	104			ASSEMBLY PARTS L	IST	01-14-76		FILE CHANGE	
ыv. 960		61374002 6	G	DWG.	PAN	DESCRIPTION MC EL ASSY (AC ENTRY) 50 MZ A	STATUS	STATUS DATE	ENG. RESP.	01-14	
FIND NO			1	ANTITY	U/M	PART DESCRIPTION	MC YLD		CO. NO. OUT 5/1		WK
018	01	24563704 6 36085800 5	.		FT	-	8 P	11206		7606	
020	01	61375600		1	PC	LUG TERMINAL STRIP W/L AC ENTRY PANEL ASSY 50HZ	0				
021	1	94277409 2		2		STRAP CABLE TIE TYPE 6					
022	01	_					101				
		51908602 9	1	1	PC		P				
023	01	10126103	1	1	PC PC	THMS, DISC 2.5 OHM 10F 14MW	Р			The state of the s	
023					PC PC	THMS, DISC 2.5 OHM 10F 14MW				of minimum minimum and the second	
	01	10126103		3	PC	THMS, DISC 2.5 OHM 10P 14HW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS	P B			TO THE CONTRACT OF THE CONTRAC	
024	01 01	10126103 51905905		3	PC PC	THMS, DISC 2.5 OHM 10P 14HW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS	P B P				
024	01 01 01	10126103 0 51905905 9 51905901 8		3 1	PC PC PC	THMS, DISC 2.5 OHM 10P 14HW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONN RECPT 3 CONTACTS	P B P P				
024 025 026	01 01 01 01	10126103 0 51905905 9 51905901 8 51906200 4		3 1 1 1 9	PC PC PC PC	THMS, DISC 2.5 OHM 10P 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONTACT, SKT 20-14GA STRIP T	P P P P				
024 025 026 027 029	01 01 01 01 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93463444 5		3 1 1 9 4 167	PC PC PC PC FT	THMS, DISC 2.5 OHM 10P 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONTACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV WIR 16GA STRD RED 300V UL PV	P B P P B W		11206		76
024 025 026 027 029 030 030	01 01 01 01 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93463444 5 93464222 4		3 1 1 9 4 167	PC PC PC PC FT	THMS, DISC 2.5 OHM 10F 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONTACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV WIR 16GA STRD RED 300V UL PV WIR 16GA STRD RED 300V UL PV WIR 16GA STRD RED 300V UL PV	P B P P B W W	11206	.	7606	
024 025 026 027 029	01 01 01 01 01 02 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93463444 5		3 1 1 9 4 167 2 1	PC PC PC PC FT FT	THMS, DISC 2.5 OHM 10P 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONTACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV WIR 16GA STRD RED 300V UL PV	P B P P B W WW W	11206	11206	7606 7606	
024 025 026 027 029 030 030	01 01 01 01 01 02	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93463444 5 93464222 4		3 1 1 9 4 167 2 1 5 500 3 200	PC PC PC PC FT FT FT	THMS, DISC 2.5 OHM 10F 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONNACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV WIR 16GA STRD RED 300V UL PV WIR 16GA STRD RED 300V UL PV WIR 16GA STRD YEL 300V UL PV WIR 16GA STRD YEL 300V UL PV	P B P P B W WW WW		.		
024 025 026 027 029 030 031 031 032	01 01 01 01 01 02 01 02 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93463444 5 93464222 4 93464422 4 93464444 4 93464444 4		3 1 1 9 4 167 2 1 5 5 5 0 0 6 2 4	PC PC PC PC FT FT FT FT	THMS, DISC 2.5 OHM 10F 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONTACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD GRN 300V UL PV. WIR 18GA STRD GRN 300V UL PV. TUBING INS SZ 6 BLACK			.		
024 025 026 027 029 030 030 031 031	01 01 01 01 01 02 01 02 01 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93463444 5 93464222 4 93464222 4 93464444 4 93463555 8		3 1 1 9 4 167 2 1 5 5 5 0 0 6 2 4	PC PC PC PC PC FT FT FT FT FT PC	THMS, DISC 2.5 OHM 10F 14NW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONTACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV WIR 16GA STRD RED 300V UL PV WIR 16GA STRD YEL 300V UL PV WIR 16GA STRD YEL 300V UL PV WIR 16GA STRD YEL 300V UL PV WIR 16GA STRD YEL 300V UL PV WIR 16GA STRD YEL 300V UL PV WIR 16GA STRD YEL 300V UL PV WIR 16GA STRD YEL 300V UL PV			.		76 76
024 025 026 027 029 030 031 031 032 033	01 01 01 01 01 02 01 02 01 01 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93464222 4 93464222 4 93464444 4 93463555 8 24528617 4		3 1 1 9 4 167 2 1 5 5 5 0 0 6 2 4 3 3 3	PC PC PC PC PT FT FT FT PT PC	THMS, DISC 2.5 OHM 10F 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONNACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 18GA STRD GRN 300V UL PV. TUBING INS SZ 6 BLACK LUG, CRMP R TERM +22-18GA 10		11206	11206	7606	76
024 025 026 027 029 030 031 031 032	01 01 01 01 01 02 01 02 01 01 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 93464222 4 93464222 4 9346444 4 93463555 8 24528617 4 51797217 0		3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PC PC PC PC FT FT FT FT PC PC	THMS, DISC 2.5 OHM 10F 14NW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONTACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. TUBING INS SZ 6 BLACK LUG, CRMP R TERM +22-18GA 10:	P B P P B W WW W W B B B B B	11206	11206	7606	76 76
024 025 026 027 029 030 031 031 032 033	01 01 01 01 02 01 02 01 01 02 01	10126103 0 51905905 9 51905901 8 51906200 4 62121109 3 934642422 4 93464222 4 93464444 4 93463555 8 24528017 4 51797217 0 10125605 5	104	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PC PC PC PC PT FT FT FT PT PC PC	THMS, DISC 2.5 OHM 10P 14MW INT TOOTH LK WSHR =6 CONN RECPT 12 CONTACTS CONN RECPT 3 CONTACTS CONTACT, SKT 20-14GA STRIP T TERM RECP FSTN 16-14 AWG BLU WIR 18GA STRD YEL 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD RED 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD YEL 300V UL PV. WIR 16GA STRD GRN 300V UL PV. TUBING INS SZ 6 BLACK LUG, CRMP R TERM +22-18GA 10: WASHER FLT NO.6 STL CP	P B P P B W WW W W B B B B B	11206 11206 11206	11206	7606 7606 7606	76 76 125



									_	PRINT DA	E PA	25	FILE CHANGE	NO.
		BUILD AR	_	104		4	ASSEMBLY PARTS	S LI	IST	02-09-7		1	0001	
DIV.		SSEMBLY NUMBER 10		REV. DW			DESCRIPTION		STATUS	STATUS DATE		RESP.	FILE D	
DIV.	+-^		+	RE V. DW	ro.		DESCRIPTION	MC		STATUS DATE	ENG.	KESP.		
860	Щ,	61374003	٠.,	<u> </u>			L ASSY (AC ENTRY) 50 HZ	A	REL	04-28-7			02-0	
FIND NO	L)	PART NUMBER	CD	M QUANT	rity	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN .	ECO. NO. OUT	+-	S/N WK IN	WK OU
001	01	71455200	7	1		PC	PLATE AC ENTRY 50 HZ		P					
002	01	71455000	1	1		PC	COVER AC ENTRY		P					
603	01	51899703	6	1		PC	FILTER. RFI 54 115-275V	SLD	P					
064	01	51907703	6	1		PC	CB W/TRIP COIL 2.5AMP 25	OVAC	P					
005 005		71446500 71446502		1			CBL ASSY(AC PWR) WIRE PREC CBL ASSY(AC PWR) W/PREP !			10971	1097	1	7538	753
006		36158909 36158910		1		PÇ PC	BUSHING, STRAIN-REL BLK BUSHING, STRAIN-REL BLK	NYL NYL	B B	10733	1073	3	7528	752
997 007	01	51809821 51809821		AR	167	FT	CHAN, RUBBER 1/32 SLT EX CHAN, RUBBER 1/32 SLT EX	TR U	B	11206	1120	6	7606	760
008	-	24565002	1	1			CLAMP, T/4DIA CABLE BLK			1.2.				
009	01	15010500	5	1		PC	ID PLATE, CABINET SMALL	VINYL	P					
010	01	36053425	9	1		PC	STANDOFF, HEX CFS 6-32X3	.000	P					
011 011		10125108 10125108		5			NUT HEX MCH 10-32 STL CP NUT HEX MCH 10-32 STL CP			10733	1073	3	7528	75
012 012		10126403 10126403		1 2			WSHR NO. 10 EXT TOOTH LK			11206	1120	6	7606	760
013	01	10127113	8	2		PC	MSCR PAN PHL 6-32X3/8 (T	YP I)	В					
014	01	10126401	8	6		PC	WSHR NO.6 EXT TOOTH LK T	YP A	8					
015	01	10125105	6	4		PC	NUT HEX MCH 6-32 STL CP	OR ZF	В					
016	01	10127111	2	5		PC	MSCP PAN PHL 6-32X1/4 (T	YP I)	В					
017	01	51902400	4	1		PC	SWI TOGGLE 10A 250V		P					
018	01	51797414	3		167	FŤ	TBG. INS .066DIA T/W NAT	TEF	В		1120	6		760

							ACCEMBLY DADTO		CT	PRINT DATE		FILI	CHANGE	NO.
		BUILD AR	C	104		- 1	ASSEMBLY PARTS	LI	3 I	02-09-77	2		0001	2040
DIV.	A	SSEMBLY NUMBER	CD	REV. D	WG.		DESCRIPTION A	wc	STATUS	STATUS DATE	ENG. RES	P.	FILE D	ATE
1860		61274003			О	PAN	EL ASSY (AC ENTRY) 50 HZ	A	REL	04-28-75	LIAT		02-0	9-77
FIND NO	LI	PART NUMBER	CD	M QUAN	TITY	U/M	PART DESCRIPTION		WC Ard	ECO. NO. IN E	CO. NO. OUT	S/N	WK IN	WK OU
018	02	24563704	6		167	FT	INS SEVING HE TEMP 18AMG		В	11206			7606	
019	01	36085800	5	1		PC	STRIP. TERM LUG-TYPE (52)		P					
020	01	61375600	6	REF		PC	W/L AC ENTRY PANEL ASSY 50H	1Z	D					
021	01	94277409	2	5		PC	STRAP CABLE TIE TYPF 6		R					
022	01	51908602	9	1		PC	THMS, DISC 2.5 OHM 10P 1446	•	P					
023	01	10126103	0	3		PC	WSHO NO.6 INTL TOOTH LOCK S	STL	В					
924	01	51905905	9	1		PC	CONN RECPT 12 CONTACTS		P					
025	01	519059 0 1	8	1		PC	CONN RECPT 3 CONTACTS		P					
026	01	51906200	4	9		PC	CONTACT. SKT 20-14GA STRIP	T	P					
027	01	62121109	3	4		PC	TERM RECP FSTN 16-14 AWG BL	_U	8					
929	01	93463444	5		167	FŤ	WIR 18GA STRD YEL 300V UL F	PVC	w					
030 030		93464222 93464222		2		F†	WIR 169A STRD RED 300V UL F WIR 169A STRD RED 300V UL F	ovc ovc	¥	11206	11206		7606	76
031 031		93464444 93464444		- 5	500 200	FT FT	WIR 166A STRD YEL 300V UL P	VC VC	W .	11206	11206		7606	76
032	01	93463555	8	:	674	FT	WIR JAGA STRD GRN 300V UL P	٧c	w					
033	01	24528617	4		333	Fİ	TRG. INSUL NO.6 BLK UL PVC		8					
034 034		51797217 51797217		1			LUG. CRMP R TERM +22-18GA 1			11206	31206		7606	76
035	01	10125605	5	1		PC	WSHR NO.6 TYP A PLAIN STL (P	B	11206			7606	
-														
	- 1	•												
1	-		1	-	l	1 1			1					

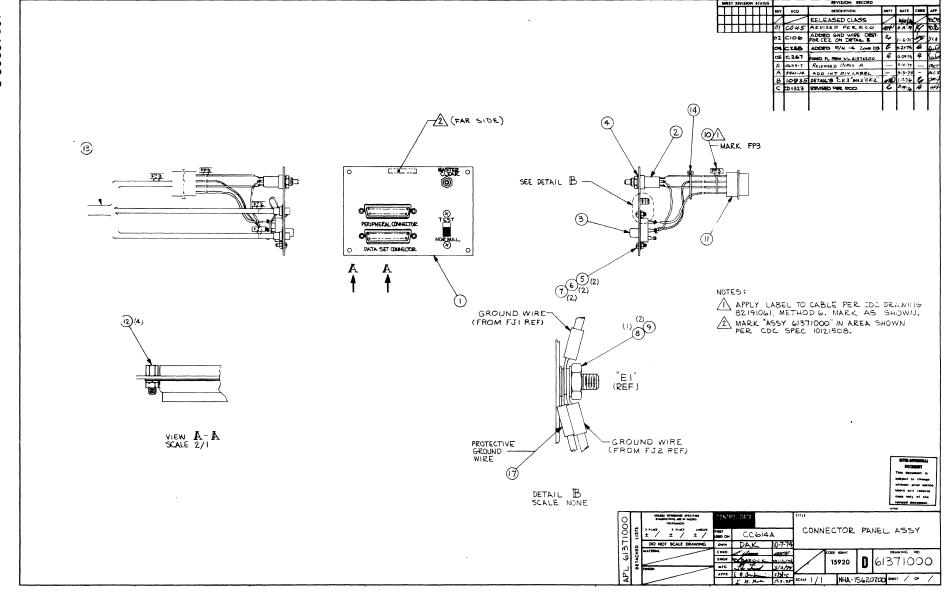
												_	PRINT D	ATE	PAGE	FIL	E CHANGE	NO.
	BUILD AR	С	104		- 1	ADSE	MB	LY PA	KIS	L	12		05-04-	77	3		0001	2040
DIV.	ASSEMBLY NUMBER	D	REV.	DWG.			DESCRIP	TION		MC	STA	TUS	STATUS DATE		ENG. RE	SP.	FILE I	DATE
860	61374003	۰	-	D	PAN	EL ASSY	CAC	ENTRY) 5	HZ	A	RE		04-28-7	5	LIAT		02-0	9-7
ND NO LI	PART NUMBER	CD A	u QI	JANTITY	U/M			ART DESCRIPTION			MC	YLD	ECO. NO. IN	ECO. NO	o. OUT	S/N	WK IN	WK C
						0043 Ť	OTAL	LINES										

WN H K D	R.	Jr	utm		15-7		,Nº H		ΔΙΔ	TITL		CE	NTRY	PANI	EL /	Y22 <i>I</i>	50 HZ	PREF			ENT NO. 1375600		R	EV.
NG	1	ÍΑ		10	(13/1	,		_	-															
FG PPR	7	E	_		*	ध्र व		IDE	NT	FIRS			, ,14/c		B.I			PJ3 NHV	7400	0	SHEET 1	of a	2	
	<u> </u>				IEE.		1.5	920 ON S	TAT				/.	~ •				RE	VISIO	N RE	CORD			
Т	T		Т	Ť	T	T	7	1	Ť	Ť	T	Т	T	5	ı	REV	ECO	Ь	ESCRIF	PTION		DRFT	DATE	AP
+	+-		\dashv	+	+	+	+	\dashv	-	\dashv	+	+	+	Ť		7		RELEAS	ED C	LASS	3		10-13-74	1
+	╁	\vdash	\dashv	+	+	\dashv		\dashv	-	\dashv	+	+	+	01.	01	01	CO110	ADDED	CONI	10	ENT /4	مليس	1-14.99	۵
+	-		+	+	+	\dashv	-		-	+	+	\dashv	+	02	οz	02	C215	MOVED P	ARTS	יסד		7	3-27-75	Du
+	\dagger		\dashv	\dagger	+	_				1	+	7	+	03	03	03	C258	LENGTH	oF 00	wo =	/4 WHS 3	R	40-15	Q.
\top	T		1	T	7									A	A	A	10653-Z	RELEA	35E	D C	LASS A		128-75	26
1	T				7	7								В	В	B	CD 10741	WLCH	S 01	NL	Υ	Je/25	B	97
T	T													B	C	С	CD 10795	WL CH	GC	NI		7/0/7	2	w
\top	1				\top	1								D	D	D	CD 1083	WL CH	IG C	N	_Y	7/18/2	18	94
1	T													E	E	E	CD 11206	CHGLE	NGT	is ("F"	100
T	T			T																				
1	1			T																				
	1																							
	T																							
																								\perp
OTES		r f	ind	no-	ic	lent	tif	ica	tio	n se	2e /	\PL	6137	4000] th	ru E	1374007.							
٠.	, ,									•		-			-									
																						DETA	CHED LIS	TS

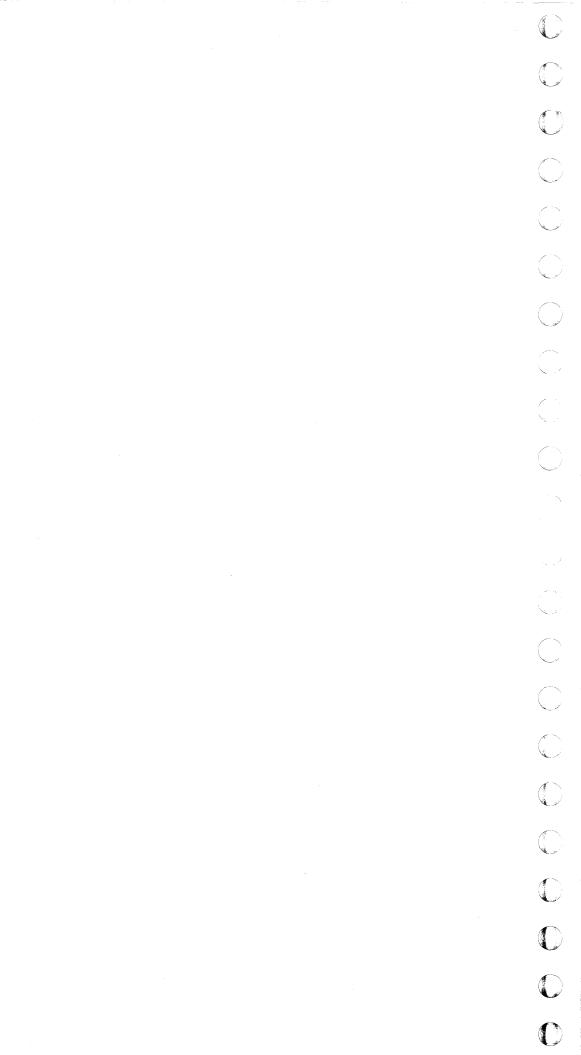
CONTROL DA	TA					1	10ENT	SHEET	5		WL	3	MENT NO. 1375600	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)	,	LENGTH (APPROX)	C	DRIGIN		ACCESS FIND NO.	DESTINATIO	ON	ACC FIND		REMARKS	
1			ı.		PΙ				FL]	ı	33	3	PWR CORD (HOT)	
2			ь		Pl				FLL	3	33		PWR CORD ENEUT	}
3			5/4		Pl				CET		34		PWR CORD (GND)	
ч	37	16	4,	5.5"	£93		1.	25,2L	TBl	2			LINE HOT TO SW	
5	31	16	4	2.57	FL]		+	33	CBI	A	27		нот то с.в.	
Ь	37	16	4	ų"	CBJ		В	27	TBL	1			HOT FROM C.B.	
7	30	16	2	5**	CBT		c	27	CP2	9	24	- 24	TRIP VOLTAGE	
B	30	16	2	5.5"	CBI		D	27	CP2	В	24	- 26	TRIP VOLTAGE RI	ETURN
9	31	16	4	3"	CP3		2	25,26	CP2	ı	24	-2L	HOT FROM SW	
70	31	16	4	7"	FLL		5	33	27	ı	33		NEUTRAL TO H/L	ZW
11	37	16	4	7"	25		2	33	CP2	Ь	24 ·	52	NEUTRAL (HIGH)	
75	31	16	4	8.5*	2,7		3	33	CP2	4	a4 -	56	NEUTRAL (LAU).	
13	29	18	4	5"	CP2		2	24 · 26	CP2	3	24 -	3F	JUMPER	
14	35	18	5	7.5"	FLL		2	33	CEL		34		GROUND	
										ļ				
										<u> </u>		_		
							ļ			_		\perp		
										_	4	\dashv		
										<u> </u>	1	4		
											1.			

HKD NG FG	DG	arn	nan ex	1/14	CODE IDENT CODE I											22A	Y 50 HZ		PREFIX WL		MENT NO. 1375601		F	EV.
PPR				E		L S	150 E 101	ENT	FIR	31 U	SED .	UN		CCP1	4/0	СРВ:	L		NHA 61374	000	SHEET	l of	2	
				SHE	ETR	REVIS	ION	STA	rus										REVIS	ION RE	CORD			
1	\sqcup	_	4	1	_	L		L						5	ı	REV	ECO		DESC	RIPTION		DRFT	DATE	AP
1-1	1	4	\perp	1		L		L			L	Ŀ		C	C	C	(D10795	GEN	ERATE:	PER	EC0	D	1/4/25	MA
\perp		_	1	$oldsymbol{ol}}}}}}}}}}}}}}}}}$										C	D		CD 10832					1118/15	Æ	mlt
\perp		\perp	1_	_										E	E	E	CD 11206	CHG	LENG	TH (5	ا,10,11,12	mo	12.30.15 N	14);
\sqcup	4	4	1	<u> </u>				_																
\sqcup		_		_																				
\sqcup	_	_																						
	_	_	1																					
\perp	_	\perp	_																					
	_	\perp	1																					
	_	\perp	\perp																					
\sqcup																								
\sqcup																								
Ш																								
\sqcup																								
							I	1	\Box															
TES:	or f	ind	no.	ide	nt:	ific	ati	ion	see	SF	PL 1	-137	240	00 t	hru	ь БЪ	374007.							L
	. 8/71																					DETACH	ED LIST	s

CONTROL DA							E IDENT 5920	SHEET	5		WL		UMENT NO. 61375601	REV E
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)		ORIGIN		ACCESS FIND NO.	DESTINATI	ON	ACC		REMARKS	
ı			ı		P1.				FL1	l	33	1	PWR CORD (HOT)	
2		<u></u>	6		P],				FLL	3	33		PWR CORD (NEUT)	
3			5/4		P],				CEL		34		PWR CORD (GND)	
		300	<u></u>	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				++						
5	31	36	4	2.5*	FL1		4	33	CBI	A	27		нот то с.в.	
Ь	31	7.6	4	4"	CBJ		В	27	CP2	1	24 7	56	HOT FROM C.B.	
											_		1	
										<u> </u>				
						- 12			a allegan and a second			*****	- (tra - 1 2 vii	ani'
10	31	16	4	7*	FLL		5	33	27	1	33		NEUTRAL TO H/L S	비
11	31	16	4	7"	21		2	33	CPZ	ь	24	-2₽	NEUTRAL KHÍGH)	
15	31	16	4	8.57	21		3	33	CP2	ول	24	. 4	NEUTRAL (LQM)	
13	29	18	4	2"	CP2		2	24 , 26	CP2	3	24	26	JUMPER	
14	32	18	_5	7.5**	FL1		2	33	CEL		34		GROUND	
		ļ								1	1			
									•					
										_				

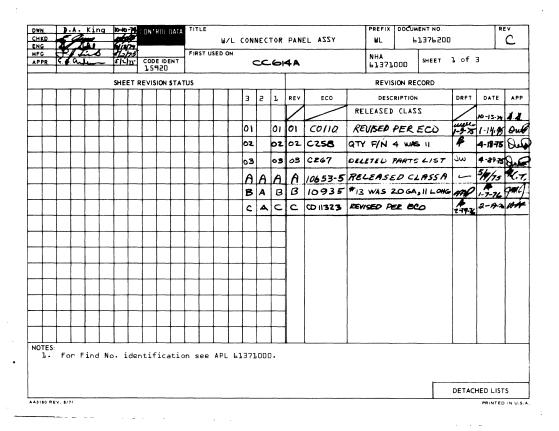


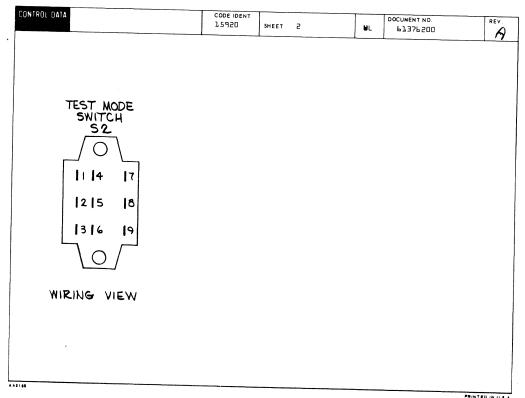
7-57/7-58



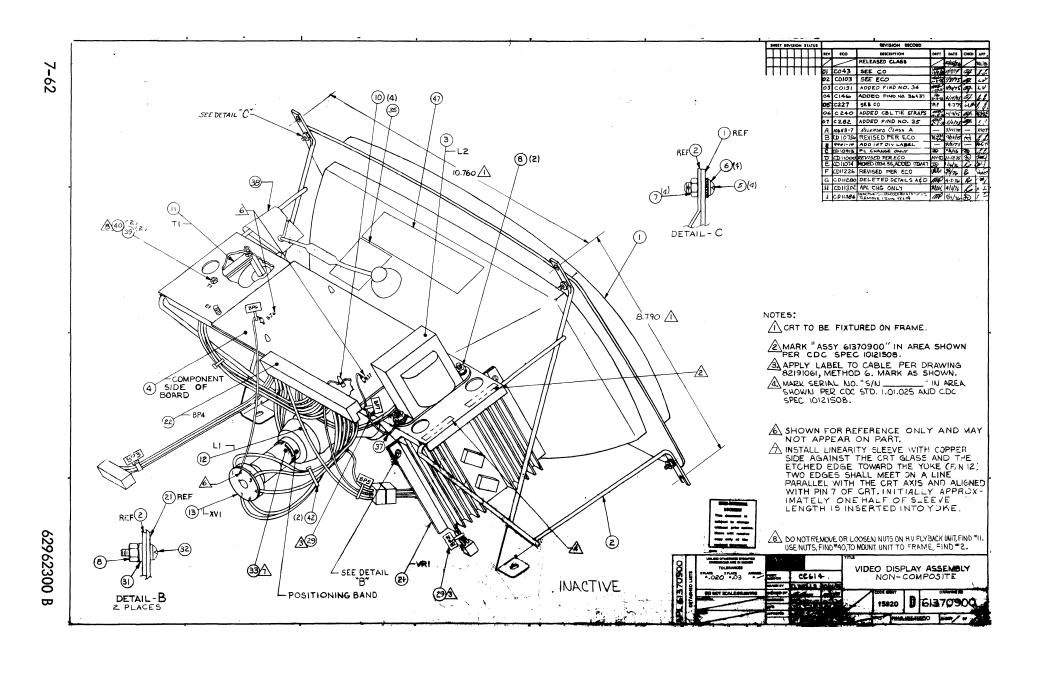
		BUILD ARC	10	14		ASSEMBLY PARTS	5 L	IST	02-12-76	PAGE	FILE CHANGE	
	.	SSEMBLY NUMBER ! CD	REV	, DWG.		DESCRIPTION	AC.	STATUS	STATUS DATE	ENG. RESP.	FILE D	ATE
01V.	+-^	61371000 3	-		PANE	L ASSY (CONNECTOR)	A	REL	05-14-75	CC614A	02-12	2-76
FIND HO	LI		CD M	QUANTITY		PART DESCRIPTION	1	MC YLD	ECO. NO. IN	CO. NO. OUT 5	/N WK IN	WK OL
001	01	71455600	8	1	PC	PANEL_CONNECTOR		Р				
002	01	18797101	5	1	PC	SWITCH-PB MOMENTARY CUNTA	CT	P				
003	01	51781602	1	1	PC	SWITCH SLIDE 3PDT LOCKING	i	Р				
004	01	10126106	3	1	PC	INT TOOTH LK WSHR .258		8				
005	01	10127102	1	2	PC	MSCR PAN PHL 4-40X1/4 (TY	P I)	В				
006	01	10126101	•	5	PC	INT TOOTH LK WSHR =4		В				l
907	01	10125103	1	2		NUT HEX MCH 4-40 STL GP (
608	01	10125108	U	1	PC	NUT HEX MCH 10-32 STL CP	OR Z					
009	01	10126105		S		INT TOOTH LK WSHER =10		В				i
010	01	94277409	2	1	PC	STRAP CABLE TIE TYPE 6		P				
011	01	61376200	4	REF	PC	W/L CONNECTOR PANEL		D				
012	01	94288024	6	4		LKG DEVICE. CONN TYP . W.						
013	01	61369900	8	1		CABLE ASSY (CONNECTOR PAR	(EL)	N .				
014	01	94277400	1	1	PC	STRAP CARLE TIE TYPE 1		Р				
015	01	24548301	1	1		WIR 24GA STRD BLK 300V U						
016	-	24548310				WIR 24GA STRD WHT 300V U				10025	İ	704
017		93462555 61391106		1 6	66 FT PC	WIR 20GA STRD GRN 300V IN GND WIRE ASSY 9.5 16GA	. PV(G	10935A	10935	7543	754
018	0 1	93942014	7	10	PC	CONTACT PIN 30-22 STREP		Р				
019	01	93948002	6	1	PC	CONNECTOR 12 PIN HOUSENG		Р				
020	01	51797217	0	2	PC	LUG, CRMP R TERM +22-189	105	8		10935		754

		BUILD A	RC	10	4		ASSE	MBLY I	PARTS L	ľ	ST	02-12-	76	PAG	2 '	0001	1323
DIV.	A	SEMBLY NUMBER	CD	REV.	DWG.			DESCRIPTION	MC		STATUS	STATUS DATE		ENG.	RESP.	FILE	DATE
0860		61371000	3	С	U	PAN	EL ASSY	CONNECTOR	(t) A	T	REL	U5-14-7	5	CC61	44	02-1	2-76
FIND NO	LI .	PART NUMBER	CD	M	QUANTITY	U/M	I	PART DESCRIP	TION	Ţ	MC YLD	ECO. NO. IN	ECO.	NO. OUT	S/N	WK IN	WK OU
	u		_							_							





N°+		-,	:			25920		HEET 3		WL	P32P500	REV.
ONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	ORIG	in	ACCESS	DESTINATIO)N	ACCESS FIND NO	REMARKS	
ı	1 .5	24	0	Ь	FP3	ı	16,19	22	2		GND	
2	1.5	24	0	4	2.7	c		25	2		GND {JUMPER}	
3	1.6	24	9	Ь	FP3	2	18,19	2.5	NO		MR SW N.O.	
4	16	24	9	Ь	FP3	3	18,19	27	NC		MR SW N.C.	
5	36	24	9	Ь	FP3	4	18,19	25	3		TEST SW	
Ь	16	24	9	Ь	FP3	5	18,19	25	В		RX DATA	
7	ЪЬ	24	9	Ь	FP3	ь	18,19	25	a		INT RX DATA	
8	16	24	9	Ь	FP3	7	18-19	25	9		RX DATA	
9	lь	24	9	Ь	FP3	8	18,19	25	Ь		TX DATA	
סנ	ЪЬ	24	9	Ь	FP3	٩	18,19	25	Ь		INT TX DATA	
11	16	24	9	Ь	FP3	10	18,19	25	5	L	TX DATA	
75	IЬ	24	9	3	25	4		25	9		JUMPER	
				2 .						<u> </u>		
					L							



									P2447	DATE	PAGE	Ep s	CHANGE	NO
		BUILD AR	С	440	4	ASSEMBLY PARTS	L	IST	09-02		1		00113	
DIV.	_ A	SSEMBLY NUMBER C	D	REV. DWG.		DESCRIPTION	MC	STATUS	STATUS DA	TE	ENG. RES	ie.	FILE I	DATE
0860	Т	61370900	5	.1 D	REPI	ACED BY 61370902 11386C	N	INA	07-29-	76	LIAT		08-02	2-76
FIND NO	u	PART NUMBER	CD		U/M	PART DESCRIPTION		MC YL	ECO. NO. IN	ECO. N	O. OUT	S/N	WK IN	WK OUT
001	01	51907300	1	1	PC	CRT (12 IN) PHOSPHOR GRA	P4	P						
002	61	71456300	4	1	PC	FRAME VIDEO DISPLAY		P						
003	01	51906800 61407419		1		COIL 320 MILLIHENRY CHOKE ASSY		P	1122		1559	-	7605	7604
003	02	01401414		1	1	CHOKE ASS!		"	1	-		İ	. •	
004	03 04	90433000 9 ₀ 445717		1	PC PC	REPLACED BY 90445717 1130 CD ASSY 5BVD-1 N/COMP VID		A	1091 1130		1302		7532 7613	7613
005	01	10127123		•	PC	SCREW MACH 8-32 X 1/2 PAN	HD	В	1100		1000		7546	7546
005		10127122	1	•	-	SCREW MACH 8-32 X 3/8 PAN		В	1100				, 540	
006	01	10126402	1	4	PC		PA	В		╽,	1000			7546
007	01 02	10125106 10122902		*	PC	NUT MACH HEX STL CP 8-3? NUT TWIN SELF LOCKING 8-3	2	8	1100		1000		7546	1370
008	01 02	10125105 10122901		4		NUT HEX MCH 6-32 STL 6P 0		8	1100		1000		7546	7546
010	01	51777326	3	4	PC	SPRT, CKT BD 3/16 F-R FIG	2	P			Ì			
011 011	01 02	51908 ³ 00 61407417		1	PC	TRANSFORMER FLYBACK HIGH VOLTAGE TRANSFORMED	ASSY	P	1122		1559		7605	760
012	01 02	51907000 61407418		1		YOKE DEFL ASSY YOKE ASSY		P	1122		1226		7605	760
013 013	01 02	51906700 61407416		1		CRT SOCKET. 7 PIN MINIATU	RE	P	1122		1226		7605	760
014	01	51752300	7	1	PC	LEAD ELEC ANODE 40 KV DC		w		j	1226			760
015	02	51909001	3	1	PC	RECT HI VOLT RE4 18KV FOR	40V	Р	1075	6 j	1226		7529	760
016	01	24534710	9	25	O FT	INS SLEEVE 3/R BLACK		8		j	1556			760
017	01	93463222	5	2	FT	WIR 18GA STRD RED 300V UL	PVC	W		j	1559			760
018	01	93463000	5	50	0 FT	WIR 18GA STRD BLK 300V HL	PVC	W		1	1226			760

									_	_	PRINT DAT	16	PAGE		E CHANGE	NO
		BUILD AR	С	440			ASSEMBLY PARTS	i Li	151	ľ	08-02-7		2		0011:	
DIV.	T .	SSEMBLY NUMBER C			WG.		DESCRIPTION	MC	STAT	rus	STATUS DATE		ENG. RES	P	FILE I	DATE
860	1	61370900	5	.,	D	oFP	ACED BY 61370902 11386C	N	IN	A	07-29-76	L	TAT		08-02	-76
FIND NO	LI	PART NUMBER	CD	M QUAN		U/M	PART DESCRIPTION		MC		ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	WK OU
019	01	51654700	7	2		PC	CONTACT RECPT ELEC 24-20	AWG	P			11	226			7604
020	01	51905804	4	3		PC	CONT, PIN 20-14GA .138INS	STR	P			11	226			760
021	01	61376300	2	1		PC	REPLACED BY 61376302 1128	0	A			11	280			761
021	02	61376302		1			REPLACED BY 61407441 1138		A	- 1	11280	113	86C		7613	763
021	03	61407441	7	1		PC	REGULATOR ASSY +15V		A	Ì	11386C	- •			7636	
022	01	51652907	0	1	1	PC	CONN. PC EDGE 22 POS 3.58	8₩	P			11	226			760
022	02	61407420	1	i		PC	CABLE ASSY VIDEO DISPLAY		A		11226				7605	
023	01	94219903	5	22		PC	CONTACT.FLAG 22-18AWG STR	IP	P			11	226			760
024	01	51906001	6	2		PC	CONN PLUG 3 PIN		P			11	226			760
025	01	51905800	2	3		PC	CONT. PIN 20-14GA .138INS	STR	P			11	226			760
026	01	93462444	6	4		FT	WIR 20GA STRD YEL 300V UL	PVC	w			11	226			760
027	01	93503333		4	166	FT	WIR 24GA STRD ORN 600V IIL	PVC	w				000		7546	754
027	02	93505333	0	4	000	FT	WIR 20GA STRD ORN 600V IL	PVC			11000	11	220		1340	, 01
028	01	61378200	5	REF		PC	W/L VIDEO DISPLAY		D		1					
029	01	94277409	2	5		PC	STRAP CABLE TIE TYPE 6		P	.	1	11	226			760
029	02	94277409	2	2			STRAP CABLE TIE TYPE 6		Р		11226				7604	
030	01	10125606		4			WASHER FLT NO.8 STL CP		В	ļ		11	000			754
030	02	16035100	3	REF		PC	RASTER SCAN CRT DISPLAY		D		11000				7546	
031	01 02	10125605 10125605		3			WSHR NO.6 TYP A PLAIN STL WSHR NO.6 TYP A PLAIN STL		B		11280	11	280		7613	761
031	UZ	10123003	1								11200		İ		.013	İ
032	01	10127114		2			SCREW MACH PAN HD 6-32X1/			1			280		7546	754
032	03	10127113 10127114		2			MSCR PAN PHL 6-32X3/8 (TY SCREW MACH PAN HD 6-32X1/				11000	÷ ÷	200		7613	1.01
033	01	71468100	4	1		PC	SLEFVE LINEARITY CONTROL		P							
035		24547501	7	1		D.C	PLATE WARNING DANGER HV		P			11	280			761
033	01	C#3#1301	'	ī		PC	CENTE MAKINING DANGER HA		[••	-70			, 3,

		BUILD AR	C	440			ASSEMBLY PARTS	L	IS	T	08-02-7		PAGE	- FR	00113	
DIV.	A	SEMBLY NUMBER	CD	REV. I	DWG.		DESCRIPTION	MC	\$7/	ATUS	STATUS DATE		ENG. RES	P.	FILE C	DATE
0860		61370900	5	J	0	REP	ACED BY 61370902 11386C	2	IN	A	07-29-76	L	TAT		08-02	2-76
FIND NO	LI	PART NUMBER	CD	M QUA	NTITY	U/M	PART DESCRIPTION		MC	AFD	ECO. NO. IN	ECO. NO.	TUO	5/N	WK IN	WK O
035	02	51916874	4	1	ı	PC	PLATE, DANGER VINYL WHT/RE	D	P		11280				7613	
036	01	93462555	9		250	FT	MIK SORY 214D CHN 300A INT	PVC	W			ij	556			760
837 837	81 82	51797200 61391108	6	1			LUG, CRMP R TERM +22-18GA GND WIRE ASSY 5.0 20GA 900				11226	Ì1	226		7605	760
038 038		10125603 71485400		2	1		WASHER FLT NO.4 STL CP INS SPACER ANODE LEAD		8 8		11000	ij	000		7546	794
039	01	10126101	4	2	2	PC	INT TOOTH LK WSHR #4		8							
040	01	10125103	1	2	:	PC	NUT HEX MCH 4-40 STL 6P OF	R ZP	В							
041	01	24534706	7		125	FŤ	INS SLEEVE 1/R BLACK		8			ijį	226			760
042	01	94277400	1	2	2	PC	STRAP CABLE TIE TYPE 1		P							
043	01	24534712	5		300	FŤ	INS SLEEVE 1/2 BLACK		8		10756	11	226		7529	760
044	01	51500283	0	1		PC	RES FXD FILM 250 MEG 2W 5	•	P	İ	10756	ř j	226		7529	760
045	01	95637305	4	1	ı	PC	DIO SIL 1N4005 600PIV 1.1	//1A	P		10756	ijij	226		7529	76
046	01	94842184	7	1		PC	CAP FXD CER 0.02UF 1KV		P		10756	j1	556		7529	760
047	01	71479200	9	1	ı	PC	LARFL MONITOR ADJUSTMENT		P		11074				7545	
048	01	51914822	5	2	2	PC	WASHER SHOULDER SCR 6		ρ		11280	113	86C		7613	763
049	01	51776502	6	2	2	PC	MASHER-FLAT FIBRE NO.5		В		11280	113	86C		7613	763
							0067 TOTAL LINES									

WN HKD	2	Ĝ	auti			б	(IN'	MII:	Δ'Δι)	TIT				L V	IDE	0 D	ISPL	AY		PREFIX WL		MENT NO. 378200		R	Ď
PPR	5.	6	<u> </u>	_	12	II.	COD 15	E 101		FIRS	ST U	SED O	N	ے	c 6	14				NHA 6137	0900	SHEET :	l of 3	l 	
					SHEE	TR	EVIS	ION	STAT	rus										REV	SION RE	CORD			,
														3	2	ı	REV	ECO			CRIPTION		DRFT	DATE	AP
																					D CLAS			12-12-74	CO
														01		01	01	C0110	CHE	WIRE	LENG:	THS ON P.S	1-9-25	1-14.95	0.
T														02	02	02	02	CI46			PER		2-12-75	A/14/25	1.1
T														03	03	03	03	C227	ADD	ED RE	MARK	s to up	me	4-2:25	6.0
T														04	04	04	04	C 282	СН	G'D V	VIRE .	LENGTHS	SAZ	5/4/75	1
T														05	05	05	05	C336	ADD	D ON	DIDENT	27, 28	6476	6/4/95	1
T	1													A	A	٨	A	10453-8	REL	EAS.	D C	455 A	_	4/3/75	12
														В	В	В	В	CD 10996	WL	CHO	ON	LY	9/24	0	O.
T		1												c	c	c	C	CD11000	WL	CHG	ONL	Y	MMD	0	70
T	1						T							D	D	D	D	CD11226	RE	VISE	PEP	ECO	Walte	3/4/16	a
T	1																								
1	1							Г									1								
T	1				П		Τ		T	П				Г											
		Г					Γ	Γ	Π	П															
DTES	For	- F	ind	Nur	mber	. 1	den	tif	ica	tior	11	See	A P	L b	137	090		**************************************							
																							DETAC	HED LIST	rs
180 R	EV. 8/	71																						PRINTE	111

	V***					1,598		HEET 2		WL	DOCUMENT NO. REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	ORIC	iin	ACCESS FIND NO	DESTINA	TION	ACCESS FIND NO	
ı	13				XVI	7		врч	ı		
2	13				XVI	3		врч	20		
3	13				XVI	Ь		BP4	4		
4	1,3				XVI	2		BP4			TZOR TOATNOO
5	בב				XVI	1		BP4	2	<u> </u>	
Ь	13				XAT	4		BP4	15	<u> </u>	FIL. GND
7	3				L2	1		BP4	7		VERT PEAKING COIL
8	3_				LZ			BP4	<u> </u>		VERT PEAKING COIL
9	75				Ll	GRN	ļ	ВР4			VERT YOKE
10	75				Ll	YEL		894	10		VERT YOKE
11	55	ļ	<u> </u>	ļ			<u> </u>	ļ			
15	55					1.1	<u> </u>			<u> </u>	
13	1-1	ļ	<u> </u>		Tl	5		BP4	13		-190V TAP
14	.77				Tl	7	<u> </u>	894	14		HV GND
<u>.</u>	<u> </u>							ļ		ļ	
75	17				Tl	1	<u> </u>	BP4	16	<u> </u>	+465V TAP
lde ·	11	ļ	, <u>,</u>		Tl		ļ	894	17	<u> </u>	PRIMARY, FLYBACK
17	11	ļ		-			<u> </u>	<u> </u>			PRIMARY, GND FLYBACK
78	75		<u> </u>		Ll	RED	<u> </u>	894	1.8		HORZ YOKE
1/1	75		i		L1	BLU	l	BP4	1.9	l	HORZ YOKE

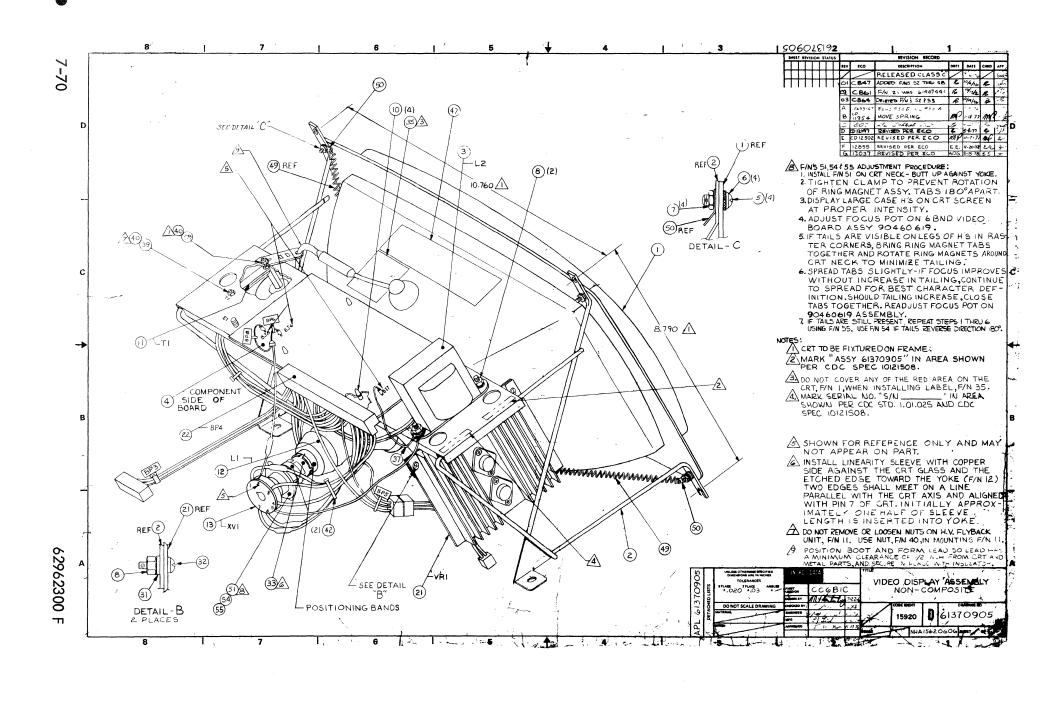
						1592		неет 3		WL	DOCUMENT NO. 61378200	MEV.
CONDUCTOR IDENT:	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	ORIGI	i n	ACCESS	DESTINATIO)N	ACCESS FIND NO.	REMARKS	
				12.37				L				,, _
-6:3-	+1. -											
<u> </u>	- 1,1 -							Arret		<u> </u>		
			<u> </u>			+	<u> </u>					
						+			-			
205	11			204-7	Tı	CON-	<u> </u>	BP4.	5		Use 12 mounting	ecreu
\$1	37				BJ.7	TACT	17.74	ARC GND	 		Use L2 mounting see 61370900 dwa	
-67		-				- 1	-		1	 		
-64		<u> </u>	 	-			 			 		
E.	\vdash	†	†		<u> </u>	1		 	1	!		
						_	†	†	1		 	
								1				
									T			
									<u> </u>	<u> </u>		
			<u> </u>		ļ			<u> </u>	↓			
443183 887	L	<u> </u>	<u> </u>	<u> </u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	<u> </u>	L	MATE OF MA

	•	
		. /

		B.1.21 D. A.B.	_				ASSEMBLY PARTS	L	IST	03-23-7		· · · ·	ODOLZ	
		BUILD AR		440	_		DESCRIPTION	MC .	STATUS	STATUS DATE	ENG.	HSP.	PILE D	ATE
BIV.	+ '		CB	REV.	DWG.		O DISPLAY ASSY		REL	07-23-76			03-23	-77
160 HO	٠	PART HUMBER		B M	D	A I DE	PART DESCRIPTION	_	MC YLE		ECO. NO. OUT	S/N	WK IM	WK O
101		. 51907300	1	1	1	+	CRT 12IN PHOS P4 ALOSS-MIN	± 43	P.					
102	•1	71456300	•		1	PC	FRAME VIDEO DISPLAY		P					
003	01	61407419	9		1	PC	CHOKE ASSY		A					ĺ
104	01	90445717	7 3		1	PC	CD ASSY SBVD=1 N/COMP VIDE	0	A					
145	01	10127126	9	1	4		SCREW MACH 8-32 X 3/8 PAN		B					
•••	01	1012640	2 6	•	4	1	WSHR NO.8 EXT TOOTH LK TY		В					
007	01	1012290	2 9	1	4	1	NUT THIN SELF LOCKING 8-3		8					
***	•1	1012290	1		4	1	NUT THIN SELF LOCKING 6-3		8					
910	01	5177731	• 5	'	4	1	SPRT, CKT BD 3/16 NYL FIG							771
#	ů.	6140769	7	3	ł	PC	REPLACED BY 61407695 1210 HIGH VOLTAGE TRANSFORMER	7 4551		12107	12107		7715	
012	01	6140741		5	1	PC	YOKE ASSY		A					
013	01	6140741	6	•	1	PC	CRT CAP ASSY		A					
021	01	6140744	1	'	1		REGULATOR ASSY +15V		A					
022	•1	6140742	0	١	1	1 -	CABLE ASSY VIDEO DISPLAY		A					
028	01	6137820	0	2 F	REF	1	W/L VIDEO DISPLAY		D					
029	01	9427740	9	- 1	2	i	STRAP CABLE TIE TYPE 6		8					
030	01	1603510			REF		RASTER SCAN CRT DISPLAY		0					
031	1	1012560	- 1		2	-	WSHR NO.6 TYP A PLAIN STL		8					
032	01	1012711	- 1		2		MSCR PAN PHL 6-32x3/8 (TY	r 1	8					
033	01	7146810	0	4	1	PC	SLEEVE LINEARITY CONTROL		9					1

		BUILD ARC	;	440			ASSEMBLY PARTS	S L	IS	T	98INT DA		PAGE	FIL	CHANGE OOSIZ	
DIV.	\perp	ASSEMBLY NUMBER C	D	REV.	DWG.		DESCRIPTION	MC	ST.	ATUS	STATUS DATE		ENG. RE	SP.	FILE C	ATE
860	L	61370902 1		В	D		O DISPLAY ASSY	G	RE	_	07-23-76		C614		03_23	
FIND NO	u	PART NUMBER	CD	M 9	UANTITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO	. OUT	S/N	WK IN	WK O
035	01	51916874	4		1	PC	PLATE. DANGER VINYL WHT/RE	ED	P							
037	01	61391108	0		1	PC	GND WIRE ASSY 5.0 20GA 90	CKET	A							
038	01	71485400	7		1	PC	INS SPACER ANODE LEAD		8							
039	01	10126101	4		2	PC	INT TOOTH LK WSHR =4		8							
040	01	10125103	1		2	PC	NUT HEX MCH 4-40 STL CP 0	R ZP	8							
042	0 1	94277400	1		2	PC	STRAP CABLE TIE TYPE 1		8							
047	01	71479200	9		1	PC	LABEL. MON ADJ W/O INTENS	ITY	P							
049	0 1	71491984	2		1	PC	SPRING-EXT CRT GROUND		P							
050	0 l	51817102	0		1	₽C	LUG. R SLD TERM NO 8 FIG :	1	В							
							0030 TOTAL LINES									

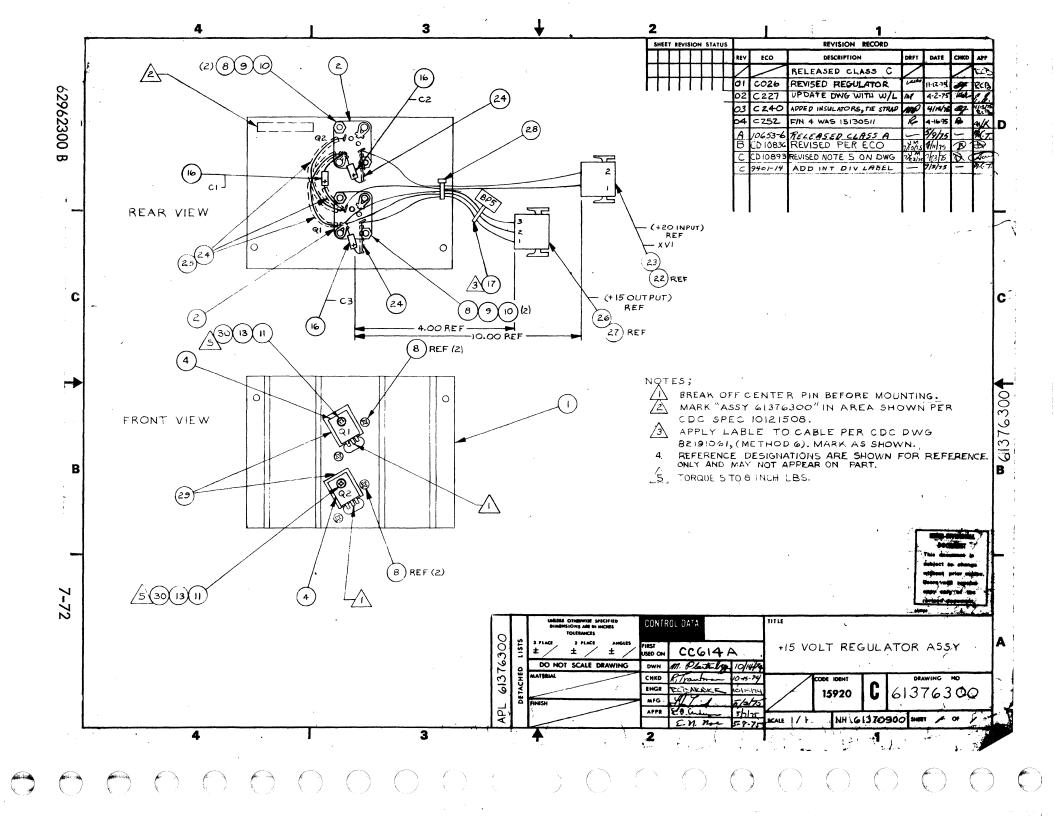
62962300 B 7-69



						ACCEMBLY BARTS			-	PRINT DA		PAGE	FI	LE CHANGE	
		BUTLD ARC	3	440		ASSEMBLY PARTS	L	12		08-14-7	8	1		00013	1037
DIV.	1	SSEMBLY NUMBER C	┖	REV. DWG.		DESCRIPTION	MC	87/	ATUS	STATUS DATE		ING. RES	P.	FILE	DATE
0860		61370905		G C	VIDE	O DISPLAY ASSY	N	RE	L	10-19-76	C	C681C		08-14	-78
FIND NO	LI	PART NUMBER	CD	M QUANTITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	MK O
001	01	51907303	5	1	PC	CRT 12IN PHOS P4 GLOSS-MIN	60	P							
002	01	71456300	4	1	PC	FRAME VIDEO DISPLAY		P							
003	01	61407419	3	1	PC	CHOKE ASSY		A							
004	01	90460619	1	1	PC	CD ASSY 6BND-0 (N/COMP VIE	EO)	s							
005	01	10127122	9	4	PC	MSCR PAN PHL 8-32X 3/8		8							
006	01	10126402	6	4	PC	WSHR NO.8 EXT TOOTH LK TYP	Α <	В							
007	01	10122902	9		PC	NUT TWIN SELF LOCKING 8-32	?	В							
008	01	10122901	1	4	PC	NUT TWIN SELF LOCKING 6-32	2	В							
010	02	51777314	9	4	PC	SPRT. CKT RD 3/16 NYL FIG	Ś	P		12197				7717	
011		61407695		1		HIGH VOLTAGE TRANSFORMER				12107	12	855		7715	783
011	03	61408075	2	1	PC	HIGH VOLTAGE TRANSFORMER	455Y	^		12855				7835	
012	01	61407418	5	1	PC	YOKE ASSY		^							
013		61407540		1	_	CRT CAP ASSY		A			12	502			774
013	03	61407856	6	1	PC	CRT SOCKET ASSY		A		12502				7746	
021	01	61407617	2	1	PC	REGULATOR ASSY +15V		A							
055	01	61407420	ı	1	PC	CABLE ASSY VIDEO DISPLAY		A							
028	02	61378201	2	REF	PC	W/L VIDEO DISPLAY		D			12	502			774
028		61407887		REF	PC	W/L VIDEO DISPLAY		D		12502				7746	
029	01	94277409	2	2	PC	STRAP CARLE TIE TYPE 6		8			12	855			783
030	01	16035100	3	REF	PC	RASTER SCAN CRT DISPLAY		D							
031	01	10125605	5	2	PC	WSHR NO.6 TYP A PLAIN STL	CP	В							
032	01	10127113	8	2	PC	MSCR PAN PHL 6-32X 3/8		8		į					

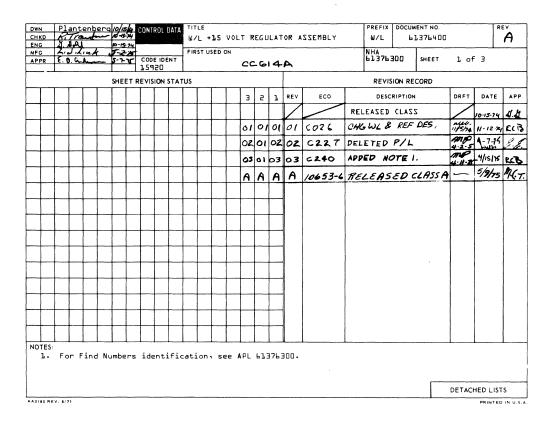
		BUTLD ARE	С	440			ASSEMBLY PARTS	L	IS	Г	PRINT DA 08-14-7		2 P	UE CHANGE	
DIV.	1	SSEMBLY NUMBER ! C	:D	REV. D	wg.		DESCRIPTION	MC	STAT	rus	STATUS DATE	ENG.	RESP.	FILE	DATE
0860	T	61370905	•	G (c	VIDE	O DISPLAY ASSY	N	RE		10-19-76	CC6B	1 C	08-14	-78
FIND NO	u	PART NUMBER	CO	M QUAN	ITITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK OUT
033	01	71468100	4	1		PC	SLEEVE LINEARITY CONTROL		В						
035	01	51916874	4	1		PC	PLATE, DANGER VINYL WHT/RE	0	P						
037	05	61391111	4	1		PC	GND WIRE ASSY 3.0 20GA SKT		A		11954			7707	
038	01	71492087	3	1		PC	INSULATOR, MOD PAPER UL		P			12855			7835
039	-	10126101 10126101		3 2		PC	19.13		8		12855	12855 13037A		7835	7835
039	02	10159101		ī			INT TOOTH LK WSHR =4 INT TOOTH LK WSHR =4		8		13037A	130375		7835	, 033
040 040	01 02	10125103 10125103		1 2		PC PC	NUT. HEX MSCR 4-40 STL CP/ NUT. HEX MSCR 4-40 STL CP/		8		12855	12855		7835	7835
042	01	94277400	1	2		PC	STRAP CARLE TIE TYPE 1		8						
047	01	71479201	7	1		PC	LABEL, MON ADJ W/INTENSITY		P						
049	0 i	71491984	2	1		PC	SPRING-EXT CRT GROUND		Ρ						
050	οż	51817102	0	2		PC	LUG, R SLD TERM NO 8 FIG 1		8		11954			7707	
051	01	51917060	9		500	PC	MAGNET. RING 10GAUSS YOKE	CRT	P						
054	01	51917061	7		150	PC	MAGNET+ RING 14GAUSS YOKE/	CRT	P						
055	01	51917062	5		350	PC	MAGNET, RING 18GAUSS YOKE/	CRT	P						
056	01	51673824	2	1		PC	SPACER. HEX ALUM 4-40X1.25	n	P			12855			7835
057	01	10127104	7	1		PC	MSCR PAN PHL 4-41X 3/8		В			12855		:	7835
058	01	62200937	1	REF		PC	SCHEMATIC. VIDEO DISPLAY		D					1	
059	01	10125607	1	1		PC	WASHER FLT NO.10 STL CP		8		13037			7832	
			į												

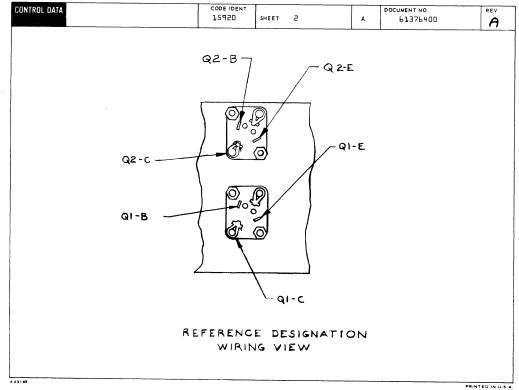
		BUILD A	RC	44	0		ASSEMBLY PARTS	L	IS	T	PRINT DA		PAGE 3	Pi	UE CHANGE	
DIV.	1	ASSEMBLY NUMBER	CD	REV.	DWG.		DESCRIPTION	MC	ST	ATUS	STATUS DATE		ENG. RES	P	FILE C	PATE
0860		61370905	4	G	_ c	AID	DEO DISPLAY ASSY	N	RE	L	10-19-76	C	C6BiC		08-14	-78
T FIND NO	LI	PART NUMBER	CI	D M	QUANTITY	U/M			MC	YLD	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	WK OUT
					- [-	0042 TOTAL LINES									
			1			- 1										
1 1			i													
1 1			į		1	- 1							- 1		1	
1 1			-													



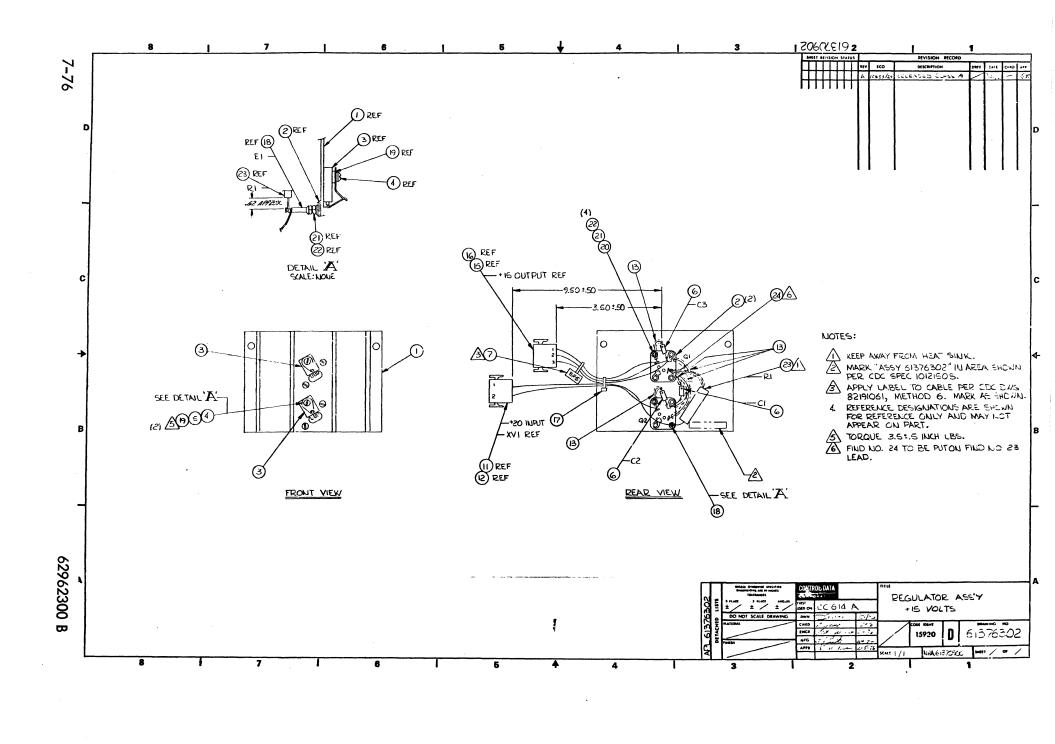
	Dilei D. ADC			ASSEMBLY PART	SL	IST		MT DATE	PAC		LE CHANGE	
DIV A	BUILD ARC 2	30		DESCRIPTION		STATU	07_2		ENG		/ /0001 (
0860	61376300.2	ے اے		LATOR ASSY(+15Y)		REL	05-09	-75	LIAT	_	07-2	7-75
FIND NO L' !	PART NUMBER CO M	QUANTITY	[0 M	PART DESCRIPTION	********	MC YI	D ECO. NO	N ECO	NO OUT	S/N	WK IN	WK O
001 01:	53906301 0	1	PC	HEAT SINK		P		İ		İ	+	ļ
002 01	94835100 2	5	PC	SOCKET POWER TRANSISTOR		P	i	ĺ				į
004 01	15151504 6	S	PC	IC +15V REG 350E TB15		P				İ	į	
908: 91	10127105.4	4	PC	SCREW MACH PAN HD 4-48X	/2	8		1			i	-
009 01	10126101 4	4	PC	INT TOOTH LK WSHR =4		8	i	1		1	1	:
010.01	10125103 1	4;	PC	NUT MẠCH HEX STL CP 4440)	В		!				
011 01	18607914 1	2:	PC	SCREW THD/CUTTING 6-20X	/2P/	P		-			1	:
013 01	51003962 1	AR	oz	HEAT TRANSFER COMPOUND		8	1	i				i
016 01	24504333 6	3	PC	CAP FAD TANT 2.2UF 20p 3	SVDC	P				į		
017 01	94277409 2	1	PC	STRAP CABLE TIE TYPE 6		P		-		į	:	:
019 01	61376400 9	REF	PC	W/L (REGULATOR ASSY +18V)	ı	D	!			1	1	
0 20:01	93463000; \$.	1 20	0 : FŤ	WIR 18GA STRD BLK 300V L	L PVC	w		1		1	İ	i
021 01	93463222: 5)		WIR 186A STRO RED 360V								
022: 01	51906200 4	2:	PC	SOCKET CONTACTS		P						
023 01	51906000 8	1	PC	CONN PLUG 2 PIN		P	i				;	!
024: 01	51797420 0	41	O FŤ	TURING INS TFT200/20		P		i į		4	1	
025 01	24501801:5	40	O FT	WIRE BUSS 236A SOLID GU	TP		1	İ		i		
926- 81	51905901 8	1		CONN RECPT 3 CONTAGTS		P						
027 01	51906204 6	3		SOC CONT 20-14GA GOLD ST	RIP	P		1		1	!	
028:01	94277400 1	1		STRAP CABLE TIE TYPE I	- -	P		1		1	!	
029 01	51907804 2	2				8		1		į		
1.459. 41	Sidniana S.		PÇ	INSULATOR, PLASTIC FILM		101					_1	l

					ACC	EMBLY PAR	TC I	ıc	_	PRINT DATE	PAGE	FII	E CHANGE	NO.
		BUILD AF		_	AJJ	EMDLI PAR	IIS L	15	•	09-63-75			4 0001	0803
r v	. As	EMBLY NUMBER	CD MEN	DWG		DESCRIPTION	MC	STA	ATUS	STATUS DATE	ENG. RES	•	FILE	DATE
0860		61376300	2 C) c	REGULATOR	ASSY (+15V) PART DESCRIPTION	A	R	YLD	05-09-75	LIAL		07-8	3-45
I FI D NO		PART NUMBER	CDM	UANTITY	ia w	PART DESCRIPTION		WC	YLD	ECO NO. IN ECO.	NO OUT	_ ^{S N} .	WK IN	MK O
030	01	10125803	8	5	PC WASHE	R SPRNG LOCK 6		В	. !	10836			7529	1
					0000	TATAL		1.1	- {					1
:			: '		4025	TOTAL LINES			1	į				1
						-		1 1			1			
								1 1	- 1	1			i	1
										:				
									1	į			İ	
							•	1:	- 1	į				
								1 1	- 1					1
								1	1	İ	1			
											1			1
			i .		1				i	-	i		į.	1
			1 :											
1										i	1		1	ì
										i				i i
	1							- 1	1	į	1			Î
			4					1 1	i		i		1	
						•			1				l	
	•								1		i		1	!
					,				ĺ		i		ĺ	,
										1			ì	1
			1	,				1		į	İ		İ	İ
													1	
			100						- 1		ļ		[
!	,			i	1									
, .					1		•							İ
į i			, !	1	1 :						ŀ			
1 1	i		. !		1									



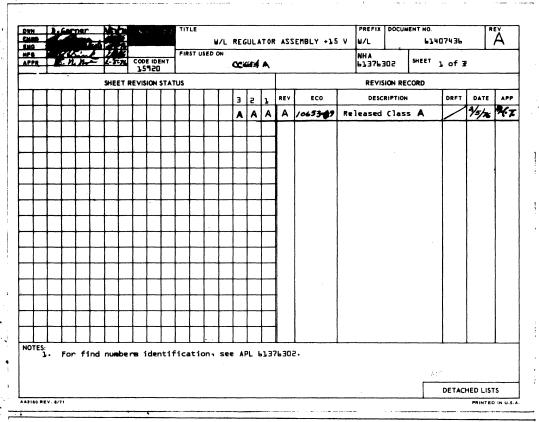


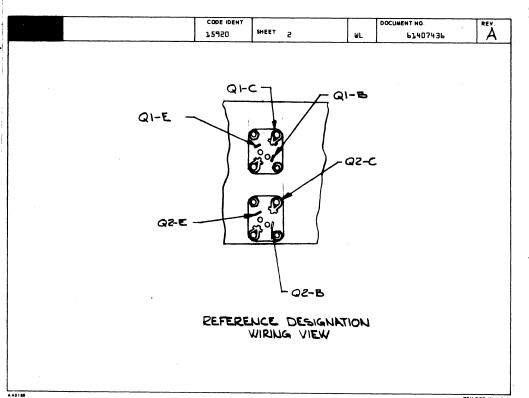
CONTRO. D	414					2592		HEET 3		WL	DOCUMENT NO.	REV.
CONDUCTOR IDENT	FIND NO:	GAUGE (REF.)		LENGTH (APPROX)	ORIG	in	ACCESS FIND NO.	DESTINATI	0N	ACCESS FIND NO.	REMARKS	
ı	57	18	2	10.0	Ql	В		X^J	ı	55,53	+20	
2	25	22		2.0	Ql	В		a2	В	24 , 25	JUMPER	
3	50	18	0	10.0	Q1	С		XVI	2	22,23	GRD	
4	25	55		2.0	Ql	С		ø2	c	24 - 25	JUMPER	
5	30	18	0	4.0	Q1	С		BP5	2	26.27	GRD	
Ь	51	18	2	4.0	al.	E	<u> </u>	BP5	l.	26,27	+1.5	
7	21	1.8	2	4.0	aء	E		BP5	3	26 427	+15	
		ļ					ļ			ļ		
	ļ						<u> </u>			<u> </u>		
		ļ							-	 		
		├	 			_		 	+	 		
	_	ļ	<u> </u>	ļ			ļ	 	+	 -		
		 -	 	-			<u> </u>	ļ	+	}		
		 	 				 		+	├ ──		
		 	 				!		+	 		
		 	├					!	+	├		
		 	├					 	+-	╂		
	\vdash	-	 	\vdash			 	 	+-	t		
	-	-	+-	-		+	\vdash	 	+-	 		
		<u></u>						<u> </u>		<u></u>	L	2004780 at t



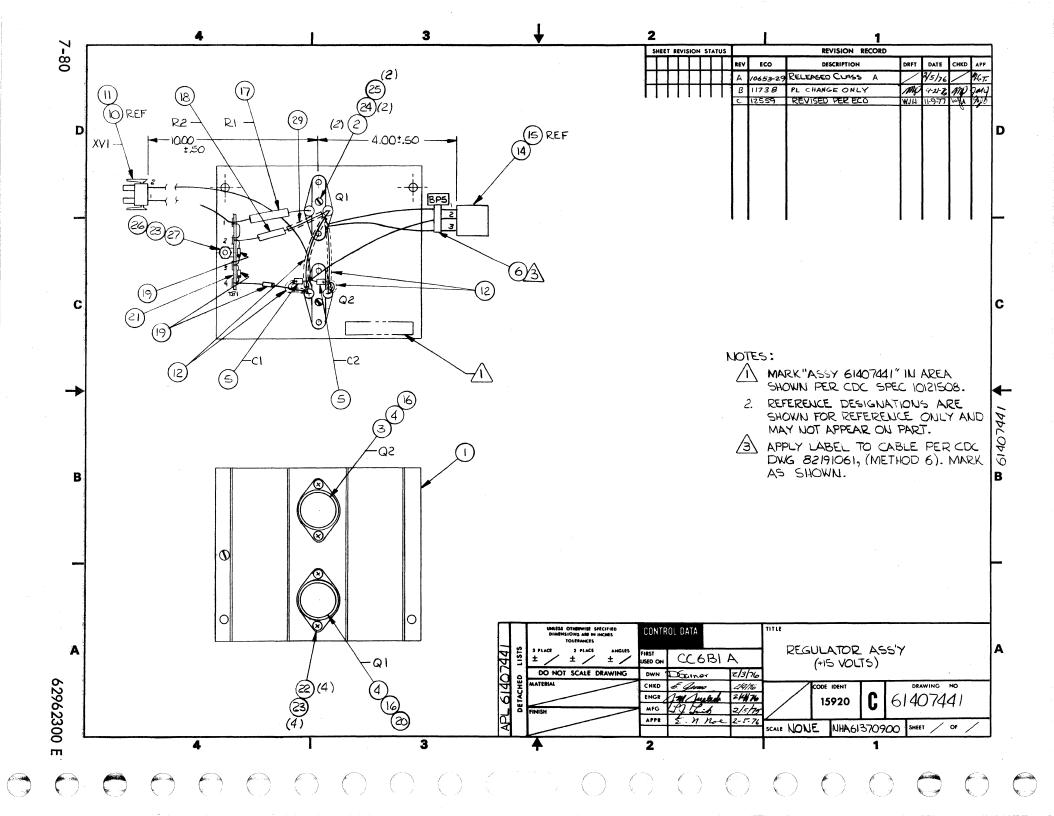
		BUILD ARC	230	,		ASSEMBLY PARTS	L	IST	02-09-		PAGE	PH	1J65	
BIV.	T .	SSEMBLY NUMBER 1CO		DWG.		DESCRIPTION	- MK	STATUS	STATUS DATE		ENG. RE	SP.	FILE D	Alt
0860	1	61376302 8	A	U	REG	ULATOR ASSY +1EV	A	REL	UZ-05-1	6	CC614		02-0	9-7
P 1000 10-3	u	PART HUMBER	(D M G	QUANTITY	L M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ICO. IC	OUT	5 M	-	wx c
001	01	51906301	0	1	PC	HEAT SINK		P						
902	01	94835100	S	2	PC	PWR SKT. XSTR PTS-4		P					i	
003	01	61407437	5	2	PC	IC REGULATOR ASSY +15V		1						
004	01	95647425	8	2	PC	SCR SH MTL +625L 6-20 PA	HD	R						
005	01	51003962	1	AR	cz	PASTE, HEAT XFR CHPD NON-	CONE	8			ļ		i	
006	i	24504333	1	3		CAP FXC TANT 2.2UF 207 35	VDC	11			ļ		li	
007	i	94277409	i	1		STRAP CABLE TIE TYPE 6		f			İ			
008	1	61407436		EF	1	W/L REGULATOR ASSY +15V		٩						
009		93463000		7		WIR 18GA STRO BLK 300V UL								
010	1	93463222		7		WIR 18GA STRO RED 300V UL					1		:	
011.		51996200		2		CONTACT, SKT 20-146A STRI	٠,							
012	1	51906000		١		CONN PLUG 2 PIN]]			1		:	
013	01	51797420	ļ	- 1	1 1	TUBING INS THIN WALL		۱٩ .			- 1		li	
014	į	24501801	1	•0	1 1	WIRE BUSS 22GA SOLID CU T	P	1			- 1		li	
015		51905901	i	1		CONN RECPT 3 CONTACTS								
016		51906204		3		CONTACT. SKT 20-14GA STRI	PG]						
017		94277400	1	1	1 1	STRAP CABLE TIE TYPE I								
018		51613801	1	1	1 1	TERM STUD INSULATED T1594		ן [
019	i	10125605	1	2	1 1	WSHR NO.6 TYP A PLAIN STL		ן ן						
920	- 1	10127105	1	1	1 1	SCREW MACH PAN HD 4-44X1/	č	ן [
021	91	10156101	•	4	Pq	INT TOOTH LK WSHR =4		19		L				

										,			
		BUILD ARC	220			ASSEMBLY PARTS		ICT	PRINT DA			E CHANGE	HO. 3-29
			230			ASSEMBLI PARIS	, .		02-09-		2	i002	3-27
MV.	1	ASSEMBLY NUMBER CD	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. BI	SP.	141	PATE
0860	!	61376302 8	A	O	REC	ULATOR ASSY +15V	A	REL	02-05-70	CC61	4A	02-0	9-76
F1100 NO	u	PART NUMBER CO	-	ANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	5 'N	MK IN	WK DU
022		:	1	4	i	NUT HEX NCH 4-40 STL CP 0	R Z	8					
023		62065807	1	1	1	RES FXD WW 2.00HM 10W 1P		P					
024	01	24563704 6	1	900	FT	INS SEVNG HE TEMP 18ANG		8		I			
			l		l .	0024 TOTAL LINES							
		i	1										
ĺ	İ		l							1			
ĺ													
- 1	j			1						į			
- 1	- 1	.		į						1			
- 1	- 1	1		1									
	- 1							I I i					
1										}			
į	-									I			
- 1	- 1								- 1	į			
1	- 1								1	i			
	- 1								İ	1			
	- 1		ĺ							į			
	- 1								1	1			
- 1	- 1								i	į			
- 1	ı								1	į			
ı	-	11		1 1					1	1			
	-							H	1	- 1			
-	- [1							1				
	-	! !							1	- 1			
- 1	- 1	i 1		1 1	- 1			111	- 1	1			





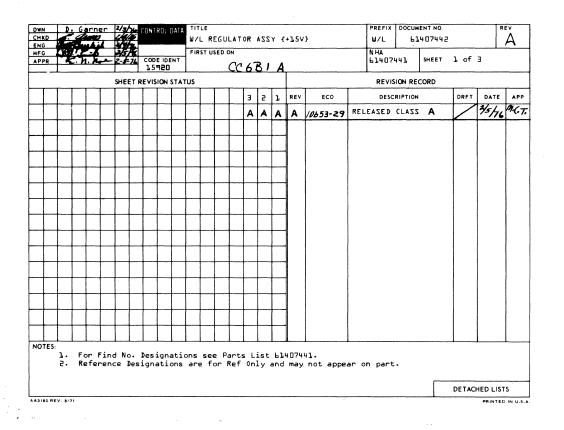
						1,592		SHEET	3		WL	DOC	UMENT NO. 61407436	Ā
ONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)	f	LENGTH (APPROX)	C	RIGIN		ACCESS FIND NO.	DESTINAT	ION	ACC FIND	- 1	REMARK	3 ·
	10	18	2	10.0"	21	-	-		X۷۵	1	21.1	ia	+20	
г	14	55		2.0	ez.				42	В	13.1	,4	JUMPER	
3	7	16	0	30.0	e1	c	:]		X V L	a	11.1	.2	GND	
4	14	22		5.0	e1	c			4 2	c	13.1	.4	JUMPER	
5	٦	18	0	4.0	a1	C	:]		8P5	2	15-1	ь	GND	
L	10	3.6	2	4.0	aı.	Ε	:		BP5	1	15-1	ь	+15	
7	10	18	2	4.0	a 2	Ε			BP5	3	15 -1	<u>.</u>	+15	
											\perp			
														···
											1			
						1								

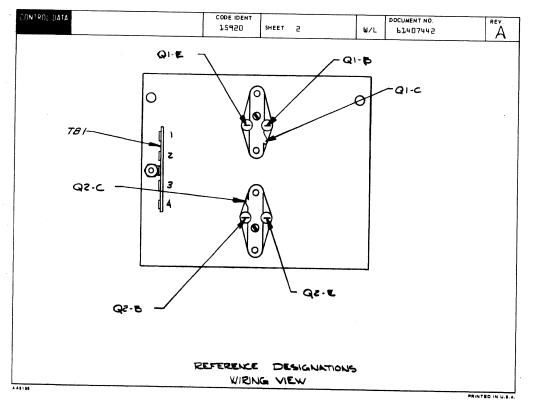


		BUILD AF	eC.	230			ASSEMBLY PARTS	S L	IST		01=12=7	ATE B	PAGE	•	OOO I	1959 1959
DIV.		SSEMBLY NUMBER	! CD	REV.	DWG.	T	DESCRIPTION	MC	STATE	us T	STATUS DATE		ENG. RE	SP.	FILE	DATE
860		61407441	7	С	С	REG	JLATOR ASSY +15V	A	REL	1	02-05-76	C	C681	A	01-12	-78
FIND NO	u	PART HUMBER	C	M (VANTITY	U/M	PART DESCRIPTION		MC Y	LD	ECO. NO. IN	ECO. NO	. out	S/N	WK IN	WK (
001	01	51906303	6		1	PC	HT SINK. SEMI FIG 5 ALUM	BLK	P							
002	01	51605400) 4		2	PC	SOCKET TRANSISTOR TO-3		P							
003	01	15130504	2		1	PC	IC UA7800+15 355E POS V R	GLTR	P							
004	02	51003968	2 1		0.0	1 oz	PASTE, HEAT XFR CMPD NON-	COND	в		11774				7723	
005	01	24504333	3 6		2	PC	CAP FXD TANT 2.2UF 20P 35	VDCW	P							
006	01	94277409	2		1	PC	STRAP CABLE TIE TYPE 6		В							
007	01	61407442	2 5	RI	EF	PC	W/L REGULATOR ASSY +15V		D							
008	01	93463000	5		1 25	0 FT	WIR 18GA STRD BLK 300V UL	PVC	W							
009	01	93463222	2 5		1 41	6 FT	WIR 18GA STRD RED 300V UL	PVC	w							
010	01	51906200	4		2	PC	CONTACT. SKT 20-14GA STRI	PT	Р							
011	01	51906000	8		1	PC	CONN PLUG 2 PIN		P							
012	01	51797420	0		40	0 FT	TBG. INS .034DIA T/W NAT	TEF	В							
013	01	2450180	1 5		31	15 FT	WIRE BUSS 22GA SOLID CU T	P	w							
014	01	5190590	8		1	PC	CONN RECPT 3 CONTACTS		P							
015	01	51906204	6		3	PC	CONTACT, SKT 20-14GA STRI	PG	P							
016	01	16798719	7		2	PC	WSHR. MICA INSUL TO-3 FTG	4	P							
017	01	95596544	7		1	PC	RES FXD WW .51 OHM 10P 5W	ATT	P							İ
018	01	95596503	3		1	PC	RES FXD WW 4.3 OHM 10P SW	ATT	P							
019	01	95637304	7		3	PC	DIO SIL 1N4004 400PIV 1.1	V/1A	P							
020	01	58018602	2 1		1	PC	XSTR 2N4901 POWER PNP STL		P							
021	01	51828014	4		1	PC	TERMINAL STRIP 4PIN P TYPE	E	В							

	Busin	_	234			ASSEMBLY DADTS		IST				FILE CHANGE	
т.													
+*					050								
LI	PART HUMBER				U/M	PART DESCRIPTION	_		ECO. NO. IN			WK IN	
1	10127115	+		•	PC	MSCR PAN PHL 6-32X 5/8		8					
) 1	10126401	8		5	PC	WSHR NO.6 EXT TOOTH LK TYP	A	В					
				2				B B	11738 12559	1255	9	7640 7804	780
) 1		i		2	1			В					
) 1	10125105	6		1	PC	NUT HEX MCH 6-32 STL CP OR	ZP	В					
1	10127113	8		1	PC	MSCR PAN PHL 6-32X 3/8		В					
1	62500815	6	RE	F	PC	SCH DÍAG REGULATOR ASSY +1	57	D				İ	
) 1	24563704	6		10	FT	INS SLVNG HI TEMP 18AWG		8	12559			7804	
						0030 TOTAL LINES							
						•							
					1								
		1											
		1											
		-											
		İ	1	- 1	1				1		1	i	
	u	ASSEMBLY HUMBER 61407441 1 PART HUMBER 01 10126401 102 92745081 01 10125105 01 10127113 01 62200812	61407441 7 11 PART HUMBER CO 01 10127115 3 01 10126401 8 102 10127102 1 103 92745081 7 101 10125105 6 101 10127113 8 101 62200812 6	ASSEMBLY NUMBER CD REV. 61407441 7 C 1 PART NUMBER CD M 0 1 10127115 3 1 10126401 B 1 2 10127102 1 3 92745081 7 1 10126400 0 1 10125105 6 1 10127113 B 1 6220812 6 RE	ASSEMBLY NUMBER CD REV. DWG. 61407441 77 C C C 11 PART NUMBER CD M QUANTITY 01 10127115 3 4 01 10126401 8 5 02 10127102 1 2 03 92745081 7 2 01 10126400 0 2 01 10125105 6 1 01 10127113 8 1 01 6220812 6 REF	ASSEMBLY NUMBER CD REV. DWO. 61407441 7 C C REGUL 1 PART NUMBER CD M QUANTITY U/M 101 10127115 3 4 PC 101 10126401 8 5 PC 102 10127102 1 2 PC 103 92745081 7 2 PC 101 10125105 6 1 PC 101 10127113 8 1 PC 101 6220812 6 REF PC	ASSEMBLY NUMBER CO	ASSEMBLY NUMBER CO REV. DWG. DRECEIPTION MC	ASSEMBLY NUMBER CO REV. DWG. Description Mc STATUS	ASSEMBLY PARTS LIST O1-12-7	ASSEMBLY PARTS LIST 01-12-78	ASSEMBLY PARTS LIST 01-12-78 2 ASSEMBLY PARTS LIST 01-12-78 2	ASSEMBLY PARTS LIST

62962300 E 7-81

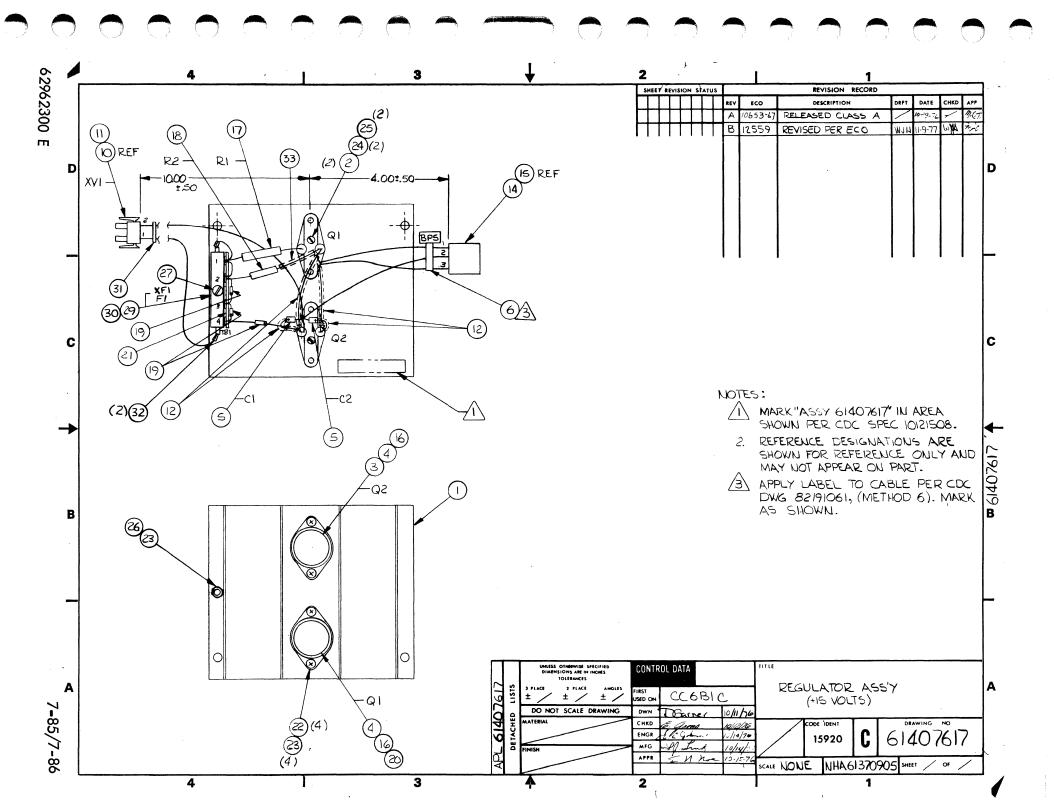


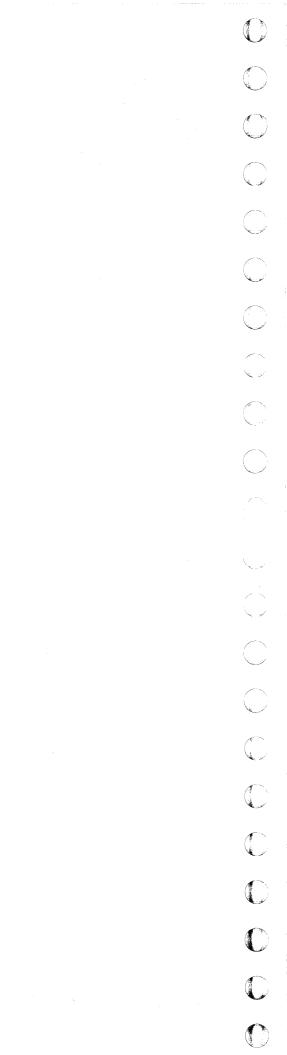


										PRINT DA	TE PAGE	F	LE CHANGE	NO.
		BUILD AR	C	230			ASSEMBLY PARTS	L	IST	09-15-7			00011	
DIV.	A	SSEMBLY NUMBER	CD	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG.	ESP.	FILE D	DATE
0860		61407441	7	8	С	REG	ULATOR ASSY +15V	A	REL	02-05-76	ČC6B1		09-15	-76
FIND NO	LI	PART NUMBER	CD	W QU	ANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	MK OF
001	01	51906303	6		1	PC	HT SINK. SEMI FIG 5 ALUM	BLK	P					
005	01	51605400	٠		2	PĊ	SOCKET TRANSISTOR TO-3		P					
003	01	15130504	5		1	PC	IC 355E POS VOLTAGE REGUL	ATOR	P					
004		51003962	!	A			PASTE HEAT XPR CMPD NON-							
005		24504333	!		2	-	CAP FXD TANT 2.2UF 20P 35	ADCM						
006		94277409	ì		1		STRAP CABLE TIE TYPE 6		8 D					
007		61407442 93463000	!			1	W/L REGULATOR ASSY +15V WIR TAGA STRD BLK 300V UL	ov-					1	
009		93463222	į				WIR TEGA STRO RED 300V UL						:	
010	-	51906200	-		2		CONTACT. SKT 20-1464 STRI		P					
011		51906000	!		1		CONN PLUG 2 PIN		P					
012	01	51797420	0		40	O FT	TBG, INS .034DIA T/W NAT	TEF	8					
013	01	24501801	5		37	5 FŤ	WIRE BUSS 2264 SOLID CU T	.	w					
014	01	51905901	8		1	PC	CONN RECPT 3 CONTACTS		P					
015	01	51906204	6		3	PC	CONTACT. SKT 28-1484 STRI	P. G.	P					
016	01	16798719	7		2	PC	WSHR, MICA INSUL TO-3 FT6	•	8					
017		95596544	1		1		RES FXD WW .51 OHM 5W 5P		P					
018	-	95596503	1		1		RES FXD WW 4.3 OHM 5W 5P		P					
019		95637304 58018602	ļ		3	-	DIO SIL IN4004 400PIV 1.1	4/1A	P					
020	-	51828014	1	1	1	-	XSTR ZN4901 POWER PNP SIL TERMINAL STRIP 4PIN P TYP							
021	UI	21959014	-		1	PC	I COMINAL SINIP SPIN P TYPE	E.,	8				11	L

											PRINT DAT	F	PAGE	FI	LE CHANGE	NO
		BUILD AR	C	230			ASSEMBLY PARTS	5 L	IS	T	09-15-7		2	† ''	0001	
DIV.	_^	SSEMBLY NUMBER	CD	REV. D	WG.		DESCRIPTION	MC	51	ATUS	STATUS DATE	L	ENG. RES	P.	FILE I	DATE
860		61407441	7	В	C RI	EG	JLATOR ASSY +15V	A	RI	EL:	02-05-76	C	C681 A	j.	09-19	-76
FIND NO	U	PART NUMBER	CD	M QUAN	ITITY L	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO	OUT	S/N	WK IN	WK OUT
022	01	10127115	3	4		PĊ	MSCR PAN PHL 6-92X5/8 (TY	(P: I)	8							
023	01	10126401	8	5		PĊ	WSHR NO.6 EXT TOOTH LK TY	PA	8							!
024		10127101 10127102		5			SCREW 4-40X4187 MSCR PAN PHL 4-40X1/4 (TY	(PI I)	8		11738	ij	738		7640	7640
025	01	10126400	0	5		PC	WSHR NO.4 EXT TOOTH LK TY	P A	8							
026	01	10125105	6	1		PC	NUT HER MCH 6-32 STLECP O	R: ZP	8							
027	01	10127113	8	1		PC	MSCR PAN PHL 6-32X3/8 (TY	(P· I)	8						İ	
028	01	62200812	6	REF		PĊ	SCH DIAG REGULATOR ASSY	157	0				i			
							0029 TOTAL LINES						ĺ		-	1
															1	:
																1
										li	Ì					
																i
																:
											A STATE OF THE STA		1			
											200					

CONTRUL DA	TA						E IDENT 5920	SHEET	3		WL		UMENT NO. 61407442	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	C	RIGIN		ACCESS FIND NO.	DESTINATIO	DN	ACC FIND		REMARKS	
1	9	18	2	9.0	TBl		ı		XV1.	1	10,	11	+20	
2	73	55	-	2.0	Ql		В		@ 2	В	12.	13	JUMPER	
3	٩	18	5	4.0.	Ql		C		BP5	1	34 -	15.	+1.5	
4	13	92	_	2.0	Q1		C		9 2	E	12.	13	JUMPER	
5	9	18	5	4.0	Q1		c		8 P 5	3	14	15	+35	
Ь	8	18	8	4.0	ąг		c		BP5	5	14,	15	GRD	
7	8	18	0	11.0	4 2		c		χVЪ	2	10.	11	GRD	
8	13	55	-	0.5	T81		ı		TBL	2	l	13	JUMPER	
			<u></u>											

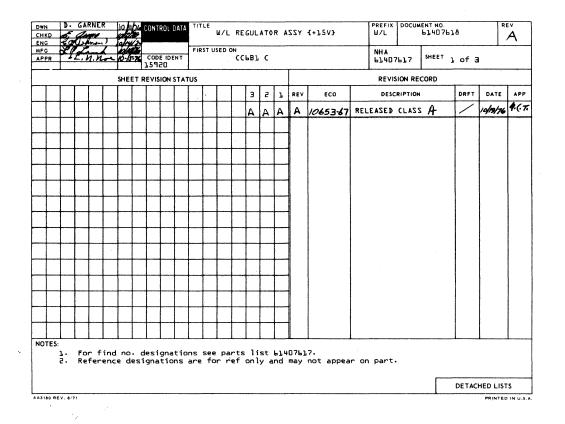


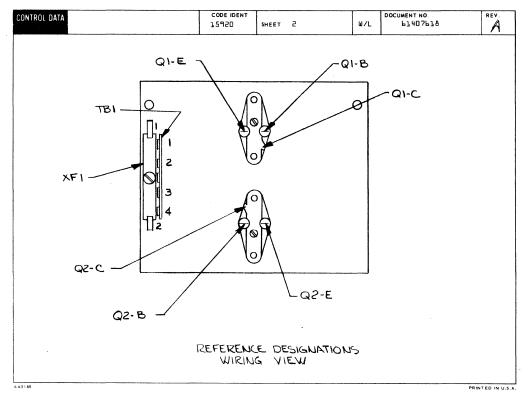


				220				ASSEMBLY PARTS	11	ST		01-12-7		PAGE	P	00012	
		BUTLD AR		230	.	T			=;				• 				
DIV.	+'		CD	REV.	C	NG.	050		AC A	REL	+	10-19-76	+.	CC6BI		01-12	
B60	Li	61407617 PART NUMBER			QUAN		U/M	PART DESCRIPTION		MC YL	,	ECO. NO. IN	ECO. N		S/N	WK IN	WK O
001	01	51904303	6		1		PC	HT SINK. SEMI FIG 5 ALUM BLM	<	P							
002	01	51605400	4		2		PC	SOCKET TRANSISTOR TO-3		P		İ					
003	01	15130504	2		1		PC	IC UA7800+15 355E POS V PGLT	TR	Р							
004	02	51003962	! 1			001	οz	PASTE, HEAT XFR CMPD NON-COM	٧D	8	ı	11774				7723	
005	01	24504333	6		2		Į	CAP FXD TANT 2.2UF 20P 35VDC	CW		ı						
006	-	94277409	- į		1			STRAP CABLE TIE TYPE 6		В							
007	Ι.	61407616		R	EF.			W/L		D							
800		93463000	- 1				1	WIR 18GA STRD BLK 300V UL PV									
010		93463222	i.		5	023		CONTACT. SKT 20-14GA STRIP	_	P							
011		51906000			1			CONN PLUG 2 PIN	•	P							
012		51797420	- 1		-	400		TBG. INS .034DIA T/W NAT TEF	F	В							
013	01	24501801	5			375	FT	WIRE BUSS 22GA SOLID CU TP		w				:			
014	01	51905901	8		1		PC	CONN RECPT 3 CONTACTS		P							
015	01	51906204	6		3		PC	CONTACT. SKT 20-14GA STRIP	G	Ρ				:			
016	01	16798719	7	İ	2		PC	WSHR. MICA INSUL TO-3 FTG 4		P							
017	01	95596544	7		1		PC	RES FXD WW .51 OHM 10P SWATT	T	P							
018	01	95596503	1		1		1	RES FXD WW 4.3 OHM 10P 5WATT		P							
1	01	95637304	1		3		1	DIO SIL 1N4004 400PIV 1.1V/1	1 A	P							
020		58018602			1		1	XSTR 2N4901 POWER PNP SIL									
021	01	51828014	14	1	1		PC	TERMINAL STRIP 4PIN P TYPE		8	-					1	ĺ

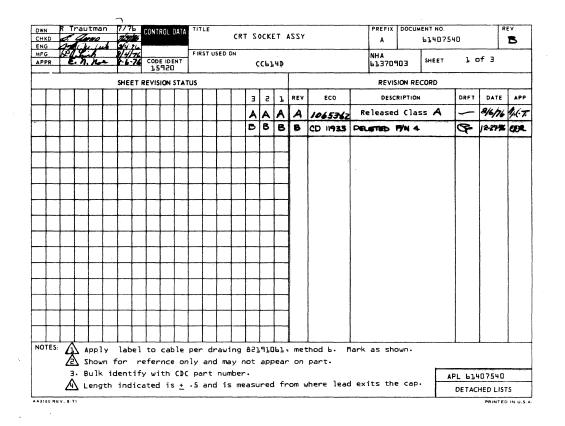
		BUILD A	RC	230			ASSEMBLY PARTS	L	IS	T	01=12=7		2 2	FILE CHANGE	2559
DIV.	Т	ASSEMBLY NUMBER	CD	REV.	DWG.		DESCRIPTION	MC	57,4	TUS	STATUS DATE	E +	IG. RESP.	FILE	DATE
860	T	61407617	2	В	С	REGI	JLATOR ASSY +15V	A	RE	L	10-19-76	CCE	Bic	01-12	2-78
FIND NO	LI	PART NUMBER	CD	W GO	ANTITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO. O	UT S/	N WK IN	WK O
022	01	1012711	5 3	4		PC	MSCR PAN PHL 6-32X 5/8		В						
023	01	1012640	1 8	5	1	PC	WSHR NO.6 EXT TOOTH LK TYP	A	8						
024 024				2			MSCR PAN PHL 4-40X-250 MSCR PAN HD 4-40 7/32		8		12559	1255	9	7804	780
025	01	1012640	0 0	2	!	PC	WSHR NO.4 EXT TOOTH LK TYP	A	8						
026	01	1012510	5 6	1		PC	NUT HEX MCH 6-32 STL CP OR	ZP	8						
027	01	1012711	3 8	1		PC	MSCR PAN PHL 6-32X 3/8		В						
028	01	6220081	2 6	REF	'	PC	SCH DÍAG REGULATOR ASSY +1	5V	D						
029	1		İ	1			FUSE BLOCK 125VAC 10A 3AG		P						
030			- 1	1			FUSE, TUBE 250V 1.5A FAST/	ACT	Р						
031			- 1	1 2			STRAP CABLE TIE TYPE 1 CONN GUICK 22-18 AWG FIG 2	,	P						
032			- 1	٠			INS SLVNG HI TEMP 18AWG		В		12559			7804	
	-	2430310					0034 TOTAL LINES								
			į												
			į												
											1				
											l				

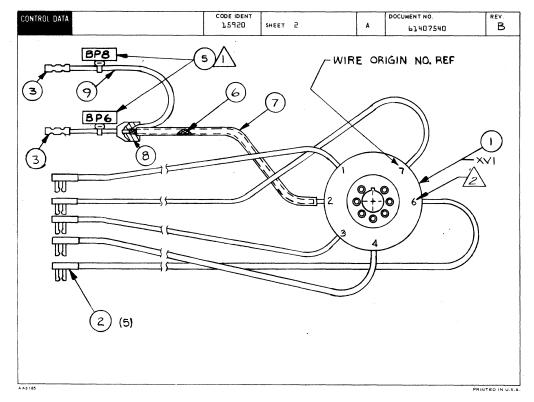
62962300 E 7-87





CONTROL DA	TA					cod 159	E IDENT	SHEET	3		WL	DOC	UMENT NO. 61407618	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	C	DRIGIN		ACCESS FIND NO.	DESTINATIO	iN	ACC FIND	- 1	REMARKS	
ı	9	18	5	9.0	ΧF	- I	5		ΧVЪ	J.	10 ,	ււ	+20	
2	13	25	-	2.0	Q)	և	В		۵e	В	12,	13	JUMPER	
3	٩	1.8	2	4.0	Q:	և	c		BP5	ı	1,4 -	ւ5	+ 1, 5	
4	1,3	55	-	2.0	a)	ւ	c		Q2	Ε	12.	F3	JUMPER	
5	٩	1.8	2	4.0	Q	J	С		BP5	3	14,	լ, 5	+1,5	
Ь	8	18	0	4.0	Q	2	С		BP5	2	14.	1,5	GRD	
7	8	18	0	11.0	a	2	С		ΧVЪ	2	10,	11	GRD	
8	13	22	-	0.5	TE	31	ľ		TB]	2		13	JUMPER	
9	9	18	2	2.5	χſ	- L	l.		твъ	ľ	_			
											<u> </u>	_		
											<u> </u>	_		
											ــــ	_		
											-			
											<u> </u>	_		
		-								ļ	<u> </u>			
					<u></u>						-			
		-									-			
											-			
13143 DEV. 1.1									<u></u>					INTED IN II S

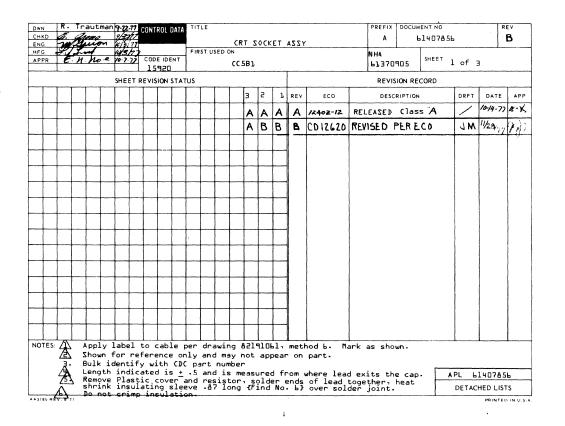


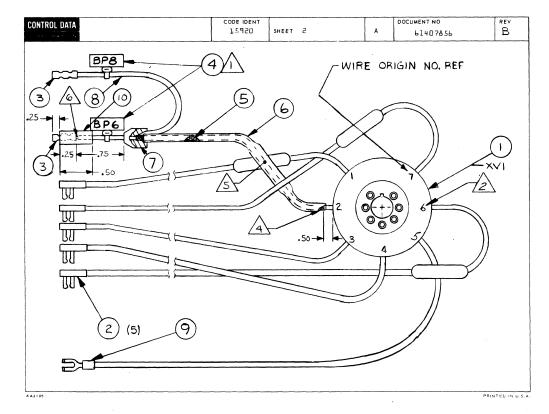


CONTROL DA	TA			-		COD 1,5°	ISO ISO	SHEET	3		WL	DOC	UMENT NO. 61407540	B REV
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF)	COLOR (REF.)	LENGTH	o	RIGIN		ACCESS FIND NO	DESTINATIO)N	ACC FIND	- 1	REMARKS	
r			3	b.0	х	٧ı	7		894	l.		2		
2			L	6.0	х	٧L	3		ВРЧ	50		2		
3			2	5.5	x	٧ı	Ь		BP4	4		2		
ц			4	L.25	х	٧ı	2		ВРЬ			3		
5			5	2.5	Shi	eld		8	BP8			3	Find No. L is not connected to XV1-2	
Ь			5	7.5	Х	٧J	ı		ВРЧ	5		5		
7			0	5.5	Х	٧J	4		ВР4	1,5		2		
											Π			

		BUILD ARC		104			ASSEMBLY PARTS	L	IST	12-27-		PAGE	FI	UD01	
		ASSEMBLY NUMBER ! CD			WG.		DESCRIPTION	MC	STATUS	STATUS DATI	,	ENG. RE	SP.	FILE C	
DIV.	+		+-			CDT		_							
	LI					U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN		NO. OUT	S/N	WK IN	
860 FIND NO 001 002 003 005 006 007 008	01 01 01 01 01	61407540 6	3 5 7 2 4 5 7	В	+68 +68	PC PC PC PC FT FT	CAP ASSY	IP AWG	P P B W B	U8-06-7 SCO. NO. IN		NO. OUT	5/N	12=2; WK IN	

62962300 B 7-91

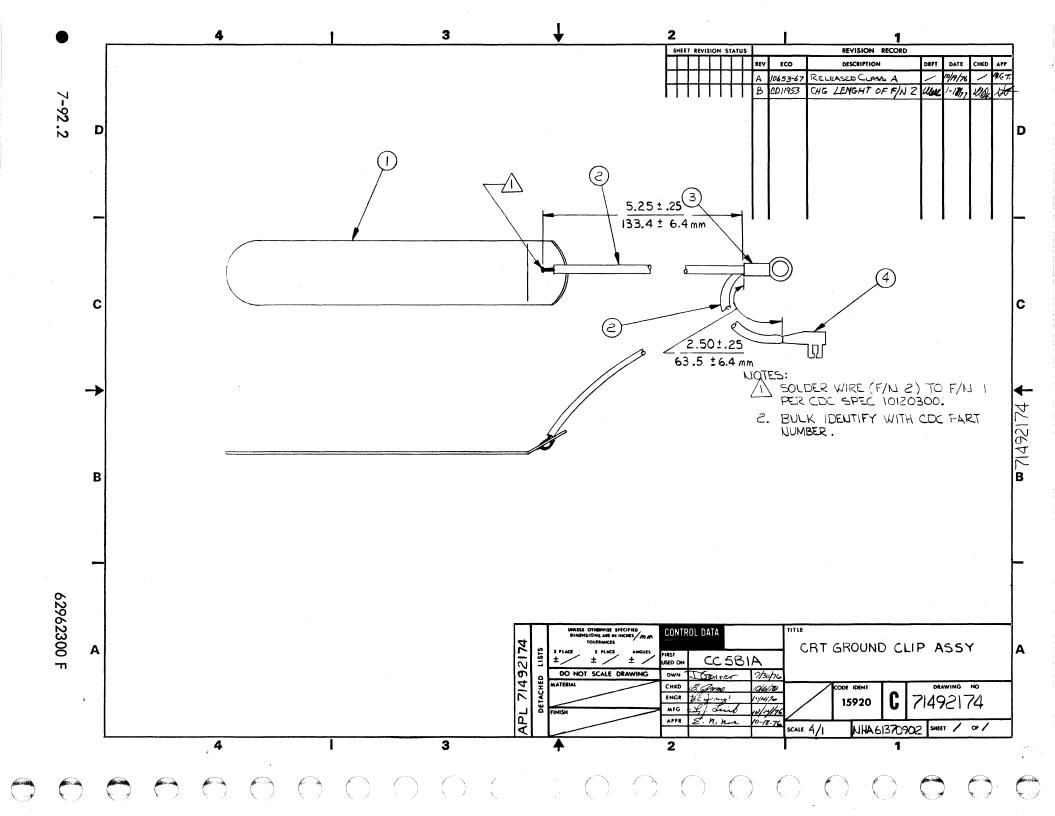




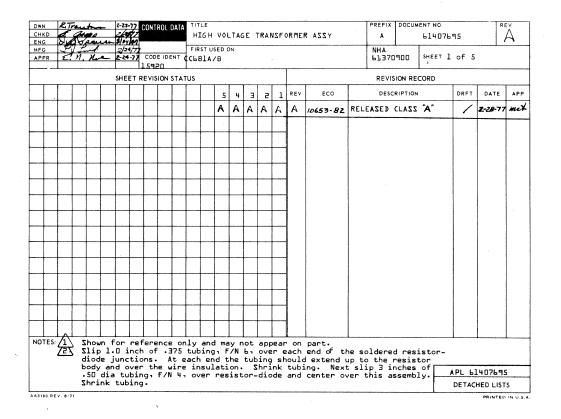
CONTROL DA	TA .					COD 1.55	E IDENT	SHEET	3		,	WL D	OCUMENT NO 6140785		REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)	COLOR (REF.)	LENGTH	o	RIGIN		ACCESS FIND NO.	DE	STINATION		ACCES	1	REMARKS	
r				6.0	х	٧L	7								
2				6.0	X	٧ı	3								
3				5.5	X	٧ı	Ь								
4				F-52	Х	٧ı	5								
5				2.5	Shi	e ld		7							
Ь				7.5	х	٧ı	r								
7				5.5	х	٧ı	4								
В				75.0	х	٧ı	5								
3183 REV. 8/7				اا	L									F	RINTED IN

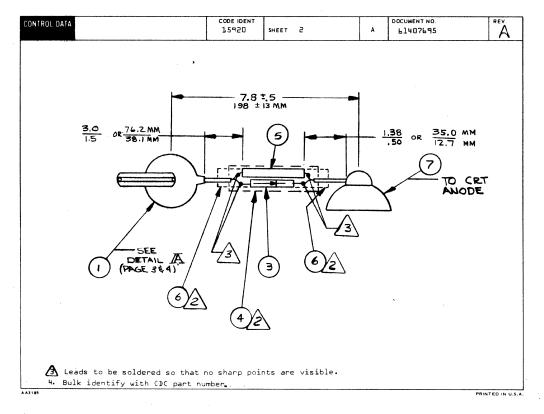
								ASSEMBLY PARTS			Ŧ	PRINT D	ATE	PAGE	FIL	E CHANGE	NO.
		BUILD AR	-	104				ASSEMBLI PAKIS	L	13	•	11-10-	77	1		0001	2620
DIV.	1.	SSEMBLY NUMBER	:D	REV.	DW	G.		DESCRIPTION	MC	\$7	ATUS	STATUS DATE		ENG. RES	۶.	FILE D	ATE
0860	Ц,	61407856		В	_			SOCKET ASSY	A		EL	10-14-7	7			11-1	0-77
T FIND HO	u	PART NUMBER	CD	M 0	UANT	ITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO.	OUT	S/N	MK IN	WK OUT
001			!		1		PC	CRT SOCKET, 7 PIN MINIATU	RE	P							
902	01	94219903	5		5			CONTACT, FLAG 22-18AWG STR		P							
003					2			CONTACT RECPT ELEC 24-20	AWG	P							
004		•	:		s			STRAP CABLE TIE TYPE 6		В							
005								SHIELDING CABLE BRAIDED 3 CBL SHIELDING, CU BRAID 2		A		12620	12	620		7746	7746
006								INS SLEEVE 1/2 BLACK		8		12620	12	620		7746	7746
007					1			FERRULE PRE-INSUL GREEN FERRULE PRE-INSUL BROWN		8		12620	12	620		7746	7746
008	01	93462555	9			208	FT	WIR 20GA STRD GRN 300V UL	PVC	¥		•					
009	01	51797110	7		1		PC	LUG TERM SLOT TONGUE 22X1	8	8							
010	01	24534706	7		l	500	FŤ	INS SLEEVE 1/8 BLACK		8		12620				7746	
								0013 TOTAL LINES									
					1												
												į					

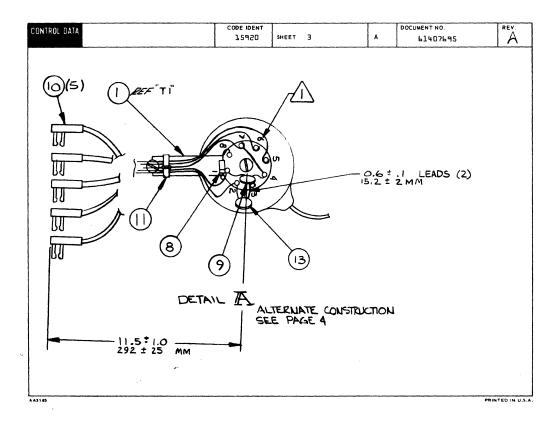
62962300 F 7-92.1

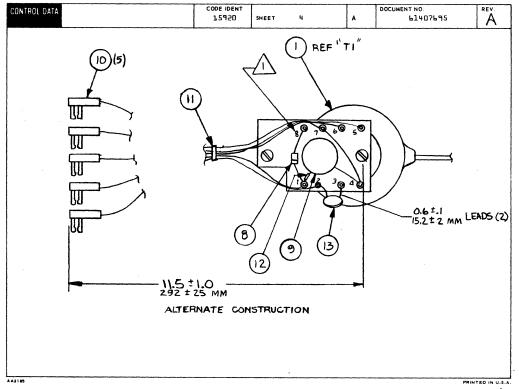


																	
		BUILD AR	C	104			4	ASSEMBLY PARTS	L	IS	T	O1-17-		PAGE	I FIL	UUUI UUUI	NO.
DIV.	A	SSEMBLY NUMBER !C		REV.	DWG	i. T		DESCRIPTION	MC		TUS	STATUS DATE	T	ENG. RE	SP.	FILE D	PATE
160	T	71492174	_	8	A	-+-	aRo	UND CLIP CRT	A		EL	10-19-7	6	CCSB		01-1	
D NO	LI		co		ANTIT		U/M	PART DESCRIPTION			AFD	ECO. NO. IN	ECO. NO	O. OUT	S/N	WK IN	MK O
001	01	71492216	8		1		PC	CLIP. CRÍ BROUND (COPPER)		P							
102		93462555	: 1		1	750	- 1	WIR 2064 STRO GRN 300V UL		ل ا	İ	1					
003	- 1	51797236	1				- 1	LUG. CRMP R TERM 16-146A		11	İ						
		-	1		1			, -				İ					
004	01	94219903	3		1		PC	CONTACT.FLAG 22-18AWG STR	(IP		İ						
								0004 TOTAL LINES									
											1	Ì					
											Ì	1					
														1			
Ì]																
	1				- }		ĺ					İ					
-																	
	i									Н	l						
-																	
1																	
					-												
														İ			
											- [
					l]						
											I						





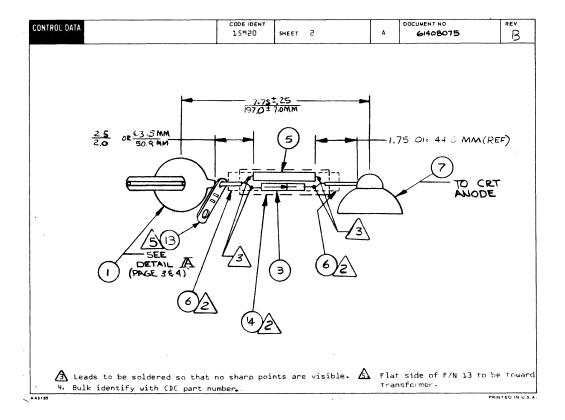




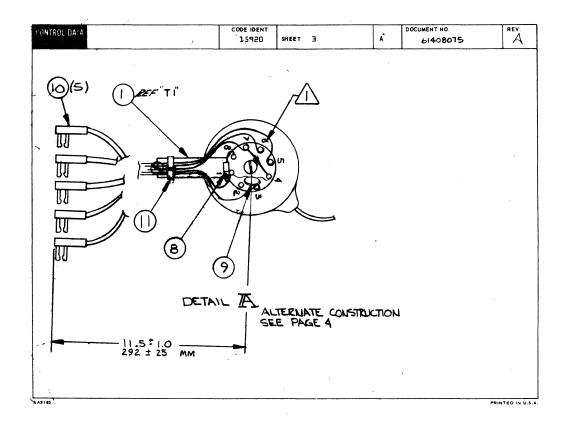
CONTROL DA	TA					15°	ISO ISO	SHEET	5		WL		Å
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)	1	LENGTH (APPROX)	c	RIGIN		ACCESS FIND NO.	DESTINA	TION	ACCE FIND	DEMARKS	
1	2	50	3	11.5	Т	1	5		ВР4	13	10	-190V Tab	
2	2	50	3	11.5	Т	1	7		BP4	14	10	H.V. Tab	
3	2	50	3	11.5	Т	1	1		BP4	16	10	+465 Tab	
ч	2	50	3	11.5	Т	1	2		BP4	17	10	Primary,Flyback	
5	2	50	3	3.0	Т	1	4		Tl	7		Primary Gnd, Flyba	ck
Ь	2	20	3	11.5	T.	1	Ь		ВР4	5	10		
7					T.	1	8		Tl	1		Diode, 1N4005	
B					T.	1	1		Tl	4		(ap02	
9					Τ.	1	2		Т1	3		Thermistor, Disc	
				·									
											$oldsymbol{\perp}$		

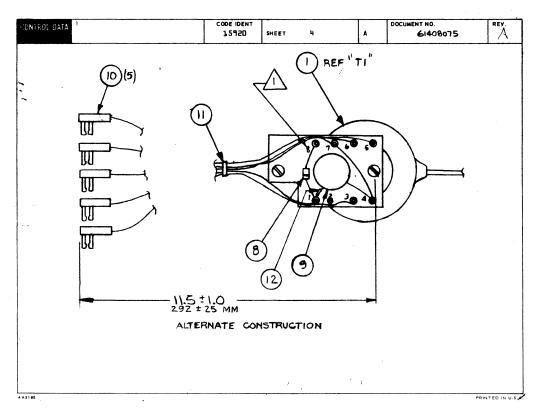
								ACCEMBLY BARRO			PRINT DAT	PAGE	FI	LE CHANGE	NO.
		BUILD AR	C	230			4	ASSEMBLY PARTS	L	IST	03-02-7	7	T-	1065	3-82
DIV.	-	SSEMBLY NUMBER	CD	REV.	DWG	3.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. R	SP.	FILE C	ATE
860		61407695	8	Δ	A		HIG	VOLTAGE TRANSFORMER ASSY	A	REL	02-28-77	CC6B	A/B	03-0	2-77
FIND NO	LI	PART NUMBER	CD	M Q	UANTI	TY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK OU
001	01	51908300	0		1		PC	TRANSFORMER FLYBACK		P					
002	61	93505333	0		4	666	FT	WIR ZOGA STRD ORN 600V UL	PVC	W					
003		51909001	1		1		PC	RECT HI VOLT RE4 18KV FOR	40V	P					
004		24534712	1		1	3^0		INS SLEEVE 1/2 BLACK		8					
005		51500283	1		1			RES FXD FILM 250 MEG 2W 5	P	P					
006	-	24534710 51752300	i	ŀ		250		INS. SLEEVE 3/R BLACK LEAD ELEC ANODE 40 KV DC		8					
007		95637305	,	1	1		-	DIO SIL 1N4005 600PIV 1-1	U / 1 A						
009		94842184	į					CAP FXD CER 0.02UF 1KV	*/ *-	P					
010		94219903	į	ł	5			CONTACT, FLAG 22-1RANG STR	ΙP	P					
011	01	94277400	1		1		PC	STRAP CARLE TIE TYPE 1		В					
012	01	51797420	0		-	050	FT	TBG+ INS .034DIA T/W NAT	TEF	8					
013	01	51908602	9		1		PC	THMS, DISC 2.5 OHM 10P 14	410	P					
			-					0013 TOTAL LINES							
			1												
	1														
			1												

WN HKD		77.	ولهو		3/7	8	CONTI	ROL [DATA	TIT		GH	VOL	TAG	E 1	RAN	ISF0f	RMER ASSE	MBLY	PREFIX A		ENT NO. 1408075		R	ev E
N.G.	14		٠٠٠٠		3-5-															<u> </u>	1				
FG PPR	2			2,2	3-7			9 DE		FIR	ST US	ED C	IN	c	CPI	74/	′B / C			NHA 61407	659	SHEET	l of	5	
					SHE	ET R	EVIS	ION S	STAT	US										REVI	SION RE	CORD			
												5	£	3	5	ı	REV	ECO		DESC	CRIPTION		DRFT	DATE	A
												Α	Α	A	Α	A	Α	12402-37	Rel	eased	Class	Α	/	3-/3-78	n
												Α	Α	Α	В	В	В	13037	RE	VISED	PFE.	E(D	ws	8 18 18	1
T	Π	Τ	T	T	T																				Γ
Γ	Γ	T																							
T	Γ	T	T	T																					١.
		T	T																						
T		T	T	1		_																			
T	T	T	T	T																					l
†	\dagger	†		T	1																				
T	†	\dagger	\dagger	+-	t					Н									ĺ					}	
+	\dagger	+	+	+	 	-					\vdash														
÷	+	+	+	+	-	-			-							-									
+-	+-	+	+	+	 						-1	-				-									
+	+	+	+	+	 				-	-	\dashv		_	-											
+	+	+	+	+	+-		-																		
TES	Τ,	1	25-		Fon	L				1	ل_		<u> </u>				L	part.	L			december 1979 to 1979 to 1979 to 1979 to 1979 to 1979 to 1979 to 1979 to 1979 to 1979 to 1979 to 1979 to 1979	l	<u> </u>	L
	-	~	Sli	ρl.	. O i	nct	of	. 3	175	tub	ing	, F	/N	Ь	ove	r e	each	end of th	ne si	oldere	d res	istor-d	iode		
	_		jur	ctio	ons. er t	he	t e wir	ach e i	nsu	d t	he ion	tub • S	ing	ısh nk	ou l tub	d e	xter . N	nd up to ' lext slip	the i	resist nches	or boo	yb	. 614 0	08075	_
			dia	tub ink	ing	- F	/N	4 ,	ove	rr	esi	sto	r-d	iod	e a	nd	cent	er over	this	assem	bly.		DETAC	HED LIST	s
180 RE	Ev A																							PRINTED	



62962300 F





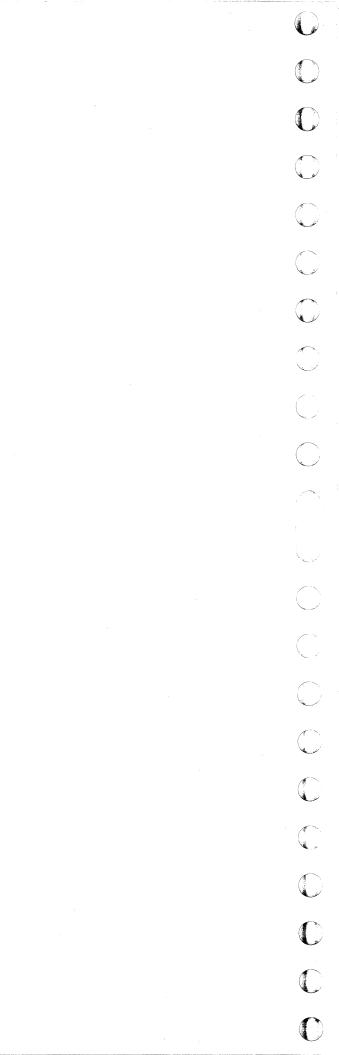
7-96.2

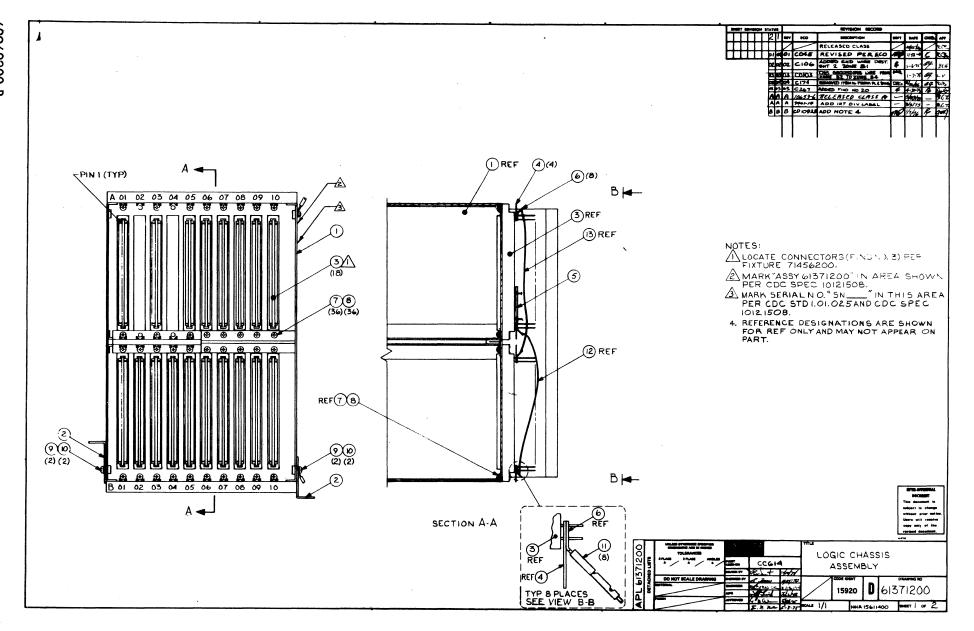
CONTROL DA	TA					COD	TH301 3	· ·	5		WL		A A
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	o	RIGIN		ACCESS FIND NO.	DESTINATIO	N	ACCE FIND I		
ŀ	5	50	3	11.5	1	Į.	5		ВР4	13	1,0	-1,90v Tab	
2	2	50	3	11.5	1	۲۱.	7		BP4	14	1.0	H.V. Tab	
3	2	20	3	11.5	Т	. J.	ı.		BP4	7.6	7.0	+465 Tab	
ц	2	20	3	11.5	7	. I	3		BP4	17	1.0	Primary Flyback	
5	5	20	3	3.0	1	rı.	4		Tl	7		Primary Gnd, Flybac	:k
Ь	2	20	3	11.5	1	. r	Ь		BP4	5	1,0)	
7					Т	ı.	В		ТЪ	r		Diode - 1N4005	
8					Т	. т	ı		ΤЪ	4		Cap .D2UF	

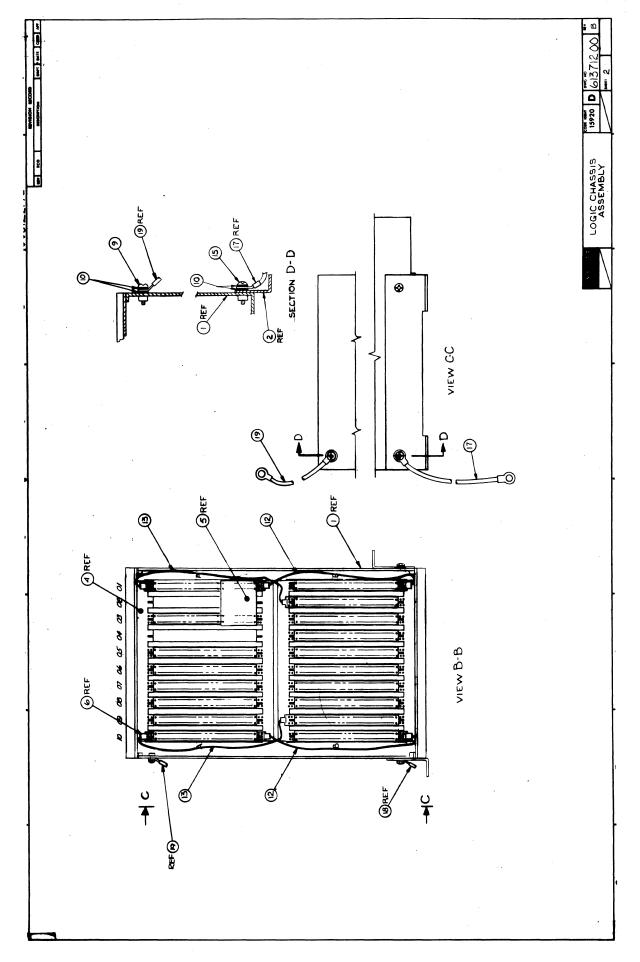
	BUILD AR	С	230			ASSEMBLY PARTS	L	IST			-	LE CHANGE NO	o.)37
T 4	SERVELY NUMBER 1	0	esv.	DWG					STATUS DATE			T PUE DAY	YE
+		+	В	A	HIG							08-10-	-
ш	PART NUMBER	_	M QU	ANTITY	U/M	PART DESCRIPTION ,	لــنــا	MC YLD		ECO. NO. OUT	S/N	WK IN W	WK OU
01	51908300	0		1	PC	TRANSFORMER FLYBACK		ρ					
01	93505333	0		4 660	6 FT	WIR 20GA STRD ORN 600V UL	PVC	w					
01	51909001	3		1	PC	RECT HI VOLT RE4 18KV FOR	40V	P					
01	24534712	5		300	FT	INS SLEEVE 1/2 BLACK		В					
01	51500283	0		1	PC	RES FXD FILM 250 MEG 2W 5	•	P					
		i						В					
		1		-									
		į		-1				11					
-	_			1									
		1			1				-				
		! -		Ö50			rEF	В					
01	51918727	2		1	PC	TIE PLATE NYLON STRAP HOLE	ER	P	13037			7832	
						0013 TOTAL LINES				-			
										į			
-													
	01 01 01 01 01 01 01 01	ASSEMBLY PHOMBER 61408075 L. FART NUMBER 01 51908300 01 93505333 01 51909001 01 24534712 01 51500283 01 24534710 01 51752300 01 95637305 01 94842184 01 94219903 01 94277400 01 51797420	ASSEMBLY MUMBER CO 61408075 2 1 PART MUMBER CO 01 51908300 0 01 93505333 0 1 51909001 3 01 24534712 5 01 51500283 0 01 24534710 9 01 51752300 7 01 95637305 4 01 94842184 7 01 94842184 7 01 94277400 1 01 51797420 0	61408075 2 B II PATT NUMBER CO M QU 01 51908300 0 01 93505333 0 01 51909001 3 01 24534712 5 01 51500283 0 01 24534710 9 01 51752300 7 01 95637305 4 01 94842184 7 01 94217903 5 01 94277400 1 01 51797420 0	ASSEMBLY NUMBER CO MEV. DWG.	A SEMBLY NUMBER CO REV. DWG.	A SEMENY NUMBER CO REV. DWG. Description	ASSEMBLY NUMBER CD REV. DWG. DESCRIPTION MC	A SEMENT NUMBER CO SEV. DWG. DESCRIPTION MC STATUS	ALSEMBLY NUMBER CO RIV. DWG. DESCRIPTION MC STATUS DATE	ASSEMBLY PARTS LIST ASSEMBLY PARTS 1 0 0 0 0 0 0 0 0 0	ASSEMBLY PARTS LIST ASSEMBLY NUMBER CO REV. DWG DESCRIPTION MK STATUS DATE REG. REF.	ASSEMBLY PARTS LIST ASSEMBLY PARTS 1 000136 ASSEMBLY PARTS LIST 08=14-78 1 000136 ASSEMBLY PARTS LIST 1000136 ASSEMBLY PARTS LI

7-96.3/7-96.4

62962300 F







000000000

			1								· · · · · · · · · · · · · · · · · · ·			
		BUILD ARC	22			ASSEMBLY PARTS	1	IST	r	10-29-7			E CHANGE	
													0001	
DIV.	^	SSEMBLY NUMBER CD	MEV.		<u> </u>	DESCRIPTION	MC	STAT	-	STATUS DATE	ENG. R	ESP.	FILE C	
0860	Ь,	61371200 9	B			SSIS ASSY(LOGIC)	_ A	RE		05-09-75			10-29	-
FIND NO	u	PART HUMBER CO	*	QUANTITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO. OUT	S/N	MK IM	WK O
001	01	63363411 2		1	PC	CARD CAGE WELDMENT		P						
002	01	73455300 5	1	2	PC	BRACKET-MOUNT CARD CAGE		P						
003	01	53900300 8	1	18	PC	CONN BRD EDGE 40/80 DUAL	R/0	P						
004	01	73454003 6	'	•	PC	BUS BAR		P						1
905		90417100 6		1		CD ASSY ADED (PWR DIST)		G						
006		73454100 0		9		CONTACT		P	-					
007	-	10127103 9	ï	36		SCR MACH PAN HD 4-40X,312		8						
008		10126400		36		WASHER EXT TOOTH LOCK NO.	•	8			10005			~=.
009		10127121 1		5		SCREW PAN HD 8-32X.312 LG SCREW PAN HD 8-32X.312 LG		8	1	10935	10935		7543	754
	01	10126402 6		5		WASHER EXT. 8 WASHER EXT. 8		8		10935	10935		7543	754
011	01	17973615		в	PC	TERM CRMP TYPF INSUL 18-1	4	P						
012	01	93508000 2	!	AR	FT	WIR 14GA STRD BLK 600V UL	PVC							
013	01	93508222		AR	FT	WIR 14GA STRD RED 600V UL	PVC	w						
014	01	61371300 7	'	REF	PC	L/W LOGIC CHASSIS		D						
015	01	10127122 9		1	PC	SCREW MACH 8-32 X 3/8 PAN	HO	В	1					
017 017	01 02	51797217 0 61391106 4		1	PC	TERM LUG RING CRMP 22-10 GND WIRE ASSY 9.5 16GA	10	P		10935	10935		7543	754
018	٥ĩ	93462555	•	1	FT	WIR 20GA STRD GRN 300V UL	PVC	w			10935			754
019 019		51797212 1 61391104 9		1	PC PC	TERM LUG RING CRMP 22-19 GND WIRE ASSY 4.5 16GA	6	P		10935	10935		7543	754
020	01	15006509 2		300	FT	WIR 30GA SLD WHT UL TEFZE	L	w	1					

		D						ACC	EAAE	IV DA	DTC I		CT.	PRINT	ATE	PAGE	Fil	LE CHANGE	NO.
		BUILD A						M3:) E ME	SLY PA	KI2 L		3 1	10-29-	75	1	2	0001	0935
DIV.	A		CD	REV.		DWG.			DESCR	PTION	MC	I	STATUS	STATUS DATE		ENG. R	ESP.	FILE I	DATE
860	Ĺ.,	61371200		В		A			ASSY (L		A		REL	05-09-7		IAT		10-29	
ND NO	U	PART NUMBER	- CI	M	QUA	NTITY	U/M	0022	TATAL	PART DESCRIPTION		1	MC YLD	ECO. NO. IN	ECO. NO	OUT	S/N	WK IN	MK O
ĺ	- 1		- [1		0023	IUIAL	LINES									
	1		í												l				
- 1	- 1		- 1	1		1	1												}
			-									1							
- 1			į.	1			1	-				1							
			- !																
	-		- 1	1				1											
	- 1		ij	1															
	- 1		- 1	1															
			į	1			-					1							1
			- [1		1													
			-																
	- 1		-					1											
			- 1									ı							
			i									İ						Ì	
			-									1							
			- 1																
	ŀ		1	İ		1						1							
			1			-						1							
			1			1												1	
			- 1			1						1							
	- 1		- {	1			1					1	- {		1				
	- 1		- (
	- 1						-					1							
1	- 1		1]		1	1	1				1							
	- 1		- 1									1	1 1						
	- 1		- 1	1		}	-											'	
			į	1															
												1							1
			1	1				1											
			į												İ	ĺ			
	1		1					1							1			1 '	ŀ
			į																
	- [- 1	1		1						1			ļ				1
			<u> </u>			1						1	1		1				1

DWI	·		Tra		an			tiNf	kti. I	Δ1Δ	TIT	LE									PREFIX		ENT NO.		R	EV.
H		F:	Gra And	no.	on	10-1								L	/₩	LOG	IC	CHAS	212		LW	'	1371300	l		С
AF			Lan		<u> </u>	5.	25				FIR	ST US	SED C	N						-	NHA		Ι			
P	PR	E.	ANA	ers	on	5-	15	COD		0 4						C	CP1	4 A			61,37	7500	SHEET 1	ot i	28	
						SHE	ET R	EVIS	ION :	STAT	US										REVIS	ION RE	CORD			
8	17	16	15	14	13	12	11	10	9	A	7	ь	5	4	3	5	ı	REV	ECO		DESC	RIPTION	1	DRFT	DATE	APP
)2	05	05	02	05	05	05	05	05	02	05	05	05	09	0%	oa	03	05	05	CSP3		TYPED		L TZIJ Z	JW	4/75	DWF
A	A	A	A	A	A	A	A	A	A	A	A	A	A	Α	Α	Α	A	Α	1065345	RE I	FAS	EDC	LASS A		5/1/25	16.7
A	A	A	Α	Α	Α	Α	A	Α	Α	A	٨	Α	Α	Α	В	В	В	ß	CD 10880	RE LZ	VISE 5	S H	TS Per eso	37 5/2	But	Duly
A.	A	A	A	A	Α	Α	A	A	A	Α	A	Α	Α	Α	C	В	\circ	С	CD 1100S	REVI	SED SH	ITS 18	23 ONLY	\mathcal{I}_{M}	Stalks	Out
_																					,	/				
		Г																								
				Г																						
	Γ							58	27	SP	25	24	23	55	51	50	19				-					
								04	02	02	05	02	02	03	03	03	03									
								A	A	A	A	A	A	A	A	Α	A									
	Γ							٨	Α	A	В	A	B	A	Α	Α	Α									
								A	Α	٨	B	A	В	A	٨	A	٨									
								Γ																		-
							Γ				Ι			Π												
NO	TES	-	1				-	1	·		_		•			-		4							4	
																								DETAC	HED LIS	TS.
		EV. 8/																								D IN U.S

ONTRO-DATA						TABDI 920	SHEET É	2		LW	DOCUMENT	NO. 1300	REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATIO	١	1	YPE -	VIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
ENABLE			D5-A	45			DL-A	45		T			
REFRESH			06-A	45	1		07-A	45					
PAGING OPTION			06 - A	35			-07-A	35					
PAGING			07-A	35	1		⊕ 9A	35		1			
PAGING OPTION		†	D=-A	35	†		10-*	43		1	1		
OPITON		1			†	<u> </u>							
					1-					+	†	<u> </u>	
E/0 PARITY			D8-A	7			0 % -A	7		+			
CO LED			08-A	å			09-A	8		T			
CONTROL KEY			06-A	41			09-A	41					
TX LED			08-A	9			A-P0	9					
RX LED			08-A	10			09-A	10					
CTS LED			08-A	11			09-A	11					
RTS LED			08-A	15			09-A	15					
DTR LED			08-A	13			09-A	73					
EN PARITY			08-A	14			09-A	14					
LOW FREA			08-A	57			07-A	51					
LOCAL TO PRINT			08-A	51,	-		09-A	51		-			
LN TO PRINT			08-A	52			09-A	52					

N'RO DATA						TABDI 120	SHEET 3			LW	DOCUMENT		C ADD
SUBJECT TERM 1/9L 1/9L 1/9L 1/9L 1/9L 1/9L 1/9L 1/9L			ORIGIN		SORT	D	ESTINATION			YPE -W	1	ECO NUMBER	OR DELETE
	LENGTH	CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE	-	COLOR		
47/96			08-A	34			A-P0	34		-	-		
VER			DJ-A	В			Á-EO	8		-		!	
UKKENI			A-ED	7			A-EO	8					
DRIVER			01-A	10			D3-A	10		-			
			03-A	9			A-E0	70		\perp			
CURRENT			01-A	11			A-EO	11				 	
			08-A	31			A-PO	31				 	
		1	A-P0	37			10-A	48					
H/L FREQ			Q8-A	35	-		A-P0	35	-				
													-
				-	-	-	-		 	-	-		
		1											-
MEM DATA			05-A	18			Ob-A	7.8	-	-		+	+
ATAG MEM			05-A	19			DP-V	19	-				-
MEM DATA			05-A	50	\perp		06-A	50	-			+	-
MEM DATA			05-A	30			06-A	30		_		+	-
MEM DATA			05-A	31			Ob-A	31		_			
H-COUN'	ī	1	05-A	46			Ob-A	46					PRINTED IN

CONTRUE DATA						TOENT 920	SHEET 4			LW	DOCUMENT 6137	NO. 11300	REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	١		TYPE - \	WIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
BLK TCD			05-A	47			06-A	47					
H-ZYNC			05-A	48			06-A	48					
LN 10			D5-A	49			06-A	49					
V-UNBLANK			05-A	50			Db-A	50					
8 5 ₂ WEW 5 ₂			D5-A	51			Db-A	51					
PROTECT F/F			05-A	53			Db-A	53					
MR			05-A	54			06-A	54					
DTR			A-P0	5 8			10-A	58					
SIG GND			A-P0	59			10-A	59					
SEC CO			A-P0	60			10-A	P0.					
RING IND			A-P0	61			10-A	61					
RX DATA			A-P0	P5			10-A	75					
DSR			A-P0	63			10-A	63					
CTS			09-A	64			10-A	64					
CO			09-A	65			10-A	b 5					
TX DATA			09-A	66			10-A	66					
SEC RTS			07-A	6 7			10-A	⊾ 7					
RTS			09-A	68			10-A	68					
GND			D9-A	26	T		30-A	45					
MR ZW NO			09-A	29			1.D-A	45					

ON'HOL DATA					CODE 1.5		SHEET 5			LW	DOCUMENT		REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	l		TYPE - W	IRE	ECO NUMBER	ADD OR
TERM	LENGIN	CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
MR SW NC			A-P0	30			10-A	47					
DATA BUS			05-8 07-8	7			02-B	7 7					
			03-B	7			04-B	7					
			04-B	7	<u> </u>		05-B	7			ļ		
			05 -B	7			0b-B	7		_			
			06-B	7			07-B	7					
			07-B	7			D8-8	7					
			08-B	7			09-8	7					
			09-B	7			10-8	7					
ZUB ATA			01-B	- A B			02-B 03-B	8 8	1				
			03-B	8			04 - B	8	<u> </u>				
			04-B	8			05-B	A	<u> </u>				
			05-B	8			06-B	å					ļ
			06-B	8			07-B	B					
			07-B	B			08-B	B					
			0 8 -8	8			09-8	a					
			09-B	8			10-B	8					
DATA BUS			01-B	=		<u> </u>	02-B 03-B	3				ļ	
ATA BUS			03-B	9			04-B	9					PRINTED IN U

CONTROL DATA					CODE 15		SHEET 6			LW	P13.	NO. 71300	REV.
SUBJECT TERM	LENGTH		ORIGIN		SORT	D	ESTINATION	1	Т	YPE - V	/IRE	ECO NUMBER	ADD OR
1		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
ZUB ATAG			04-B	9			05-B	٩					
			05-B	9			06-B	٩					
			0 6 -8	9			07-B	٩					
			07-B	9			0 8 -8	٩					
			08-B	9			09-B	٩					
			09-8	٩			10-B	٩					
ZUB ATAG			02-8 02-8	18			02-B 03-B	10					
			03-8	10			04-B	70					
			04-B	10			05-8	10					
			05 - 8	10			06-B	70					
			0 6- 8	70			07-8	70					
			07-8	70			08-B	7.0					
			0 8 -8	70			09-8	10					
			09-8	10			10-8	10					
ZUB ATA			а-в С	1.1			8-E0	11					
			03-B	11			04-8	11					
			-B	11			05-8	11					
			05-B	11			06-8	11					
			0 6 - 8	11			07-8	11					
ZUB ATA			07-B	11			08-B	11					

ONTROL DATA						TABDI 05P	SHEET 7			LW	DOCUMENT		REV.
SUBJECT	LENGTH		ORIGIN		SORT		DESTINATION	1	Т	YPE - W	IRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELET
ZUB ATA			0 8 ~B	11			09-8	11					
			09-B	11	1		70-B	ll					
ZUB ATA BUZ			01-B	75			02-B	75					
52			05~B	75	↓	L	03-B	7.2				ļ	
			03-B	15			04-B	15					
			04~B	15			05-B	12					
			05~B	75			06-B	15					
			06-8	15			07-8	15					
			07-B	75			08-B	75					
			08-B	15			09-8	15					
			09-B	75			10-B	15					
DATA BUS			01-B	13			02~B	13					
2°			05~8	73			03-B	13	}				
			03-8	1.3			04~B	73					
			04-B	13			05~8	13					
			05-B	13			06~8	13					
			06~B	13			07-B	13					
			07 - 8	1.3			D8~8	13					
			08-8	13			09-B	13					
			09-B	13			10-8	73					
ZUB ATA BUS			05-8 07-8	14 14	1		02~B	14					
DATA BUS		l			 	 	D3-B	14		+	+	 	
27 555			03-B	14	1		04~8	14	l	1	1		İ

CONTROL DATA	BJECT LENGTH ORIGIN					TABOI 920	SHEET A			LW	DOCUMENT		REV
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	٧	т	YPE - W	IRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE	-	COLOR		DELETE
DATA BUZ			04~B	14			05-8	14					
			05~B	14			06~B	14					
			06-B	14			07-B	14					
			07~B	14			08~8	14					
			08-B	14			09-B	14					
			09-B	14			10-8	14		I			
BNZ 50 WEW VDD			02-8 02-8	15			83-B	15					
			03-B	1.5			04-B	15					
			04-B	15			05-B	15					
			05 -8	15			06-B	15					
			06-8	15			07-8	15					
			07-B	15			0 8 -8	15					
			08-B	1.5			09-B	15					
			09-8	1.5			10-B	15					
948 29B			01-8 02-8	16 16			8-50 8-E0	16					
			03-8	16			04-8	76					
			04-B	16			05-É	16					
			05-8	16			0 6- 8	16					
			0 6- 8	16			07-8	76					
TE ZUE			07-B	16			OA-B	76					

(INTRO-TIATA						920	SHEET 9			LW	DOCUMENT 61371		REV
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	l	1	YPE -	VIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
BUZ STD			DA-B	16			09-B	16					
			09-B	16			10-B	16		T			
MEM ADD			01B 02-B	17	<u> </u>		02-B 03-B	17	<u> </u>	+	†	1	
BUZ 55			05-B	17	ļ		03-B	17			_		
			03-B	17			04-B	17					
			04-B	17			05-B	17					
			05-B	17			Ob-B	17					
			06-B	17			07-B	17					
			07-B	17			Oå-B	17					
			08-B	1.7			09-B	17					
			09-B	17			10-8	17					
DDA MAM			01B	1.8			03-B	18					
			03-B	18			04-8	18					
			04-B	18			O5-B	18					
			05-B	18			06-B	18					,
	***************************************		06-B	18	T		D7-B	18	Ī	T			
			07-B	18			O8-B	18					
			08-B	18			D9-8	18					
			09-B	18			10-8	18					
MEM ADD			03-B	19	ļ		02-B	19					
MEM ADD			03-B	19			04-B	19					

ON'ROLDATA						DENT 920	SHEET	10		LW	DOCUMENT 61371		REV
SUBJECT TERM	LENGTH		ORIGIN		SORT	D	ESTINATIO	N	1	YPE -	WIRE	ECO NUMBER	ADD
		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR	ECO NUMBER	OR Delete
BUZ 54			04-B	19			05-B	19		1			
			05 -8	19			06-B	19					
			06-8	19			07-B	19					
			07-B	19			08-B	19					
			08-B	19			09-8	19					
MEM ADD			09-B	19			10-B	19					
TEM ADD			01-B 02-B	20	+		02-B 03-B	50 02					
			03 - 8	20			04-B	50					
			04-B	50			05-B	50					
			05-B	50			06-8	20					
			06-B	20			07-8	50					
			07-B	50			08-B	50					
			08-B	50			09-8	50					
EM ADD			09-B	50			70-B	50					
145 ST			01-B	21			02-8 03-8	2). 21					
			03-8	57			04-B	57					
			04-8	57			05-8	57					
			05-B	57			0 6 -8	57		T			
			0 6 -8	51			07-8	57			1		
DGA M3		Ī	07-8	21			08-B	57					

N14 - E 414					259	IDENT 20	SHEET]	ı.L		LW	TOSUMENT	NO. 11300	REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	ı		TYPE -	WIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN	1	CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
BOZ SP		i	08-8	57			09-8	57					
			09-B	57			10-8	57					
BRZ 5		†	01-B	25			02-B	\$5	<u> </u>		-	1	
BUZ 5,			02-6	25			02-B 03-B	22	1				
			03-B	55	1		04-B	22					
			04-B	55			05-B	22					
			05-8	55			0b-8	55					
			0F-8	55			07-B	55					
			07-8	55			08-B	55					
			08-8	55			09-B	55					
			09-B	55			10-B	55					
MEM ADD			D1-B	23			02-B 03-8	23 23					
BOZ 50		 	02-B	23	+		03-8	23				_	ļ
			03-B	23			04-8	53					
			04-B	23			05-B	53					
			05-8	23			06-B	53					
			06-8	53			07-B	23					
			07-B	53			08-B	23					
			08-B	23			09-B	53					
			09-B	23			10-8	23					
MEM ADD			D1 - B	ฮ			02-B 03-B	24 24					
CCA Mam			03-B	24	1		04-B	24		1	1		
3184 REV. 8/71				<u> </u>	٠	<u> </u>			L			L	RINTED IN

.N'W), 1414		T			LODE 1,5°	IDENT	SHEET	15		LW	DOCUMENT		REV.
SUBJECT TERM	LENGTH		ORIGIN		SORT	D	ESTINATIO	N		TYPE - V	/IRE	ECO NUMBER	ADD OR
MEM ADD		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR	1 200 110 110 110 110	DELET
MEM ADD			04-8	24			05-B	24					
-			05-B	24			06-B	24					
			0 6 -8	24			07-B	24					
			07-B	24			08-B	24					
			0 8 -8	24			09-B	24					
MEM AND			09-B	24			10-B	24		1			
BRZ STO WEW VDD			01-8 02-8	25 25	\vdash		02-B	25 25					
			03-B	25			04-B	25		1	1		
			04-B	25			05-8	25		1			
			05-B	25			06-B	25					
			06-8	25			07-B	25					
			07-B	25			D8-8	25		1			
			08-8	25			09-8	25		1			
MEM ANA			09-B	25			10-8	25	******	1			
BRZ STI WEW YDD		_ +	01-8 02-8	56	\dashv		02-B	- 56		1			
			03-8	26			04-8	56		†			
			04-B	56			05-8	56		+			
			05-8	5.P			06-8	26		+			
			06-8	56			D7-B	26		+			
BUS 211			07-8	56			08-B	5.		+			

N Η., ΠΔ1Δ					LODE 15	DENT 120	SHEET 1	3		LW	DOCUMENT		REV
SUBJECT			ORIGIN		SORT		ESTINATION			TYPE - W	/IRE	ECO NUMBER	ADD OR DELETE
TERM	LENGTH	CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
MEW ADD			08-B	5P			09-B	5P		4-			
-			09-B	56			10-B	SP					
MEM ADD			01-8 02-8	27 27			02-B	2? 2?					
BUZ 575			03-B	27	<u> </u>		04-B	27					
			04-B	27			05-B	27			J		
			05-B	27			06-B	27			ļ		
			06-B	27			07-B	27					
			08-B	27			0 8 -8	27				ļ	
			08-B	27			09-B	27		\perp	 		
			09-B	27			70-B	27				ļ	
MEM ADD			82=8	A5			02-B 03-8	59 59	_			<u> </u>	ļ
BUZ 542			03-B	28			04-B	28					ļ
			04-B	28	T		05-B	28					
			05-B	28			0F-B	28				ļ	
		1	06-B	28			07-B	28					
			07-B	28			08-B	-28				1	
			DA-B	28			09-B	28				1	
		1	09-B	28			10-B	58					ļ
MEM ADD	†	1	01-B	29 29			02-B	29	4				· .
MEM ADD	-	+	03-8		\dagger	†	03-B	29	1				
BUS 214			1 0320										PRINTED IN

ONTROL DATA					CODE 159	IDENT	SHEET 1	4		LW	DOCUMENT		REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	ı	TY	PE - V	/IRE	ECO NUMBER	ADD OR
TERM	22.10.11	CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
MEM ADD			04-B	29			05-B	29					
			05-B	29			06-B	29					
			0 6 -8	29			07-B	29					
			07-B	29			08-B	29					
			08-B	29			09-B	29					
			09-B	29			10-8	29					
MEM APP			01B	30			02-B	30 30					
			03-B	30			04-B	30					
			04-B	30			05-B	30					
			05-B	30			Ob-B	30					
			06-B	30			07-B	30					
			07-B	30			08-B	30					
			DA-B	30			09-B	30					
			09-8	30			10-8	30					
MR			01-8 02-8	31 31			02-B	31 31					
			03-B	31			04-B	31					
			04-B	31			05-B	31					
		Ì	05-B	31			05-8	37					
			0 6 -8	31			07-B	31					
MR		Ī	07-B	31	T		08-8	31					

CONTROL DATA					CODE 1.59	IDENT	SHEET 1	5		LW	TOSMUJOD TO THE PERSON	NO. 71300	REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	1		TYPE -	WIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
MR			08-B	37			09-8	31					
			09-B	31			70-8	31					
READY			01-B	32			D5-8	32					
					+		03-B	35	 		+	 	
			03-B	32			04-B	35		_			
			04-B	32			05-B	35					
			05-B	32			06-B	32					
			06-B	32			07-B	32					
			07-B	32			0 8- B	32					
			08-B	32			09-B	32					
			09-B	32			10-B	32					
CPU MEM			01-B	33	1		D2-B	. 33	1		1	1	
READ			02-8	33			03-B	33	1				
.			03 - B	33			04-B	33				1	
			04-8	33			05-B	33					
			05-B	33			06-B	33					
			06-B	33			07-B	33					
			07 -B	33			08-8	33					
			08-B	33			09-8	33					
			09-8	33			10-B	33					
CPU MEM			02-B	3H			02-B	34	I				
CPU MEM		_	02-B	34			D3-B	34	 				<u> </u>
WRITE			03-B	34		<u> </u>	04-B	34					RINTED IN U

CONTROL DATA						TABDI 920	SHEET	l b		LW	DOCUMENT		REV.
SUBJECT TERM	LENGTH		ORIGIN		SORT		ESTINATIO	N	1	YPE - V	IRE	ECO NUMBER	ADD OR
		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE	•	COLOR		DELET
WRITE			D4-B	34			05-B	34		T			
			05-B	34			06-B	34					
			06-B	34			07-B	34					
			07-B	34			08-B	34					
			08-8	34			09-8	34					
			09-8	34			70-B	34					
MEM READ			01-8	35 35			02-B	35 35					
			03-8	35			04-8	35					
			04-8	35			05-8	35					
			05 -8	35			06-B	35					
			06-8	35			07-8	35					
			07-8	35			08-8	35					
			0 8- 8	35			09-B	35					
			09-B	35			10-8	35					
TEM TEXTE			82-8	3			02-B	36					
			03-8	36			04-8	36		1			
			04-B	36			05-8	36		†			
			05-8	36			06-8	36		1			
			0 6 -8	36			07-8	36	_	†			
VRITE			07-8	36			08-B	36		T			

- N1341. ΒΑΙΔ						IDENT 1920	SHEET	1.7		LW	DOCUMENT	ио. 21300	À
SUBJECT TERM	LENGTH		ORIGIN		SORT	D	ESTINATION	(Т	YPE - V	VIRE	ECO NUMBER	ADD OR
		CHASSIS	ROW	PIN	<u> </u>	CHASSIS	ROW	PIN	SIZE	1	COLOR		DELETE
HEM			08-B	36			09-8	36					
			09-B	36			10-8	36					
OUTPUT			05-8	37			02-B	37		1	1		
STROBE			65-6	33			83-8	37					
			03-B	37			04-B	37					
			04-B	37			05-8	37					
			05-B	37	I		06-B	37					
			06-B	37			07-B	37					
	-		07-B	37			08-B	37					
·			0 8 -8	37			09-B	37					
			09-B	37	1		70-8	37					
INPUT STROBE			01-B	38 36	+		03-B	8E 8E					
			03-B	38			04-B	38					
			04-B	38			05 -B	38					
			05-B	38			06-B	38					
			06-B	38			07-B	38					
			07-B	38			08-B	38					
			08-B	38			09-B	38					
			09-B	38			10-B	38					
Ø2			01-8 92-8	39 39			02-B	39 39					
02			03 - 8	39			04-B	39					

CONTROLIDATA					CODE 15	DENT 02P	SHEET	18		LW	DOCUMENT		REV
SUBJECT TERM	LENGTH		ORIGIN		SORT	D	ESTINATIO	N		TYPE -	WIRE	ECO NUMBER	ADD
		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR	ECO NUMBER	OR DELETE
Ø2			04-B	39			05-B	39					
			05-B	39			0b-8	39		1	†		
			06-B	39			07-B	39		1	†		
			07-8	39			08-B	39		_			
			08-B	39		-	09-B	39		\dagger	1		
			09-B	39			10-B	39		†			
<u>85</u>			Д1,−В	40			02-B	40		+			
			02-B	40			03-B	40		4			
			03-B	40			04-B	40					
			04-B	40			05-8	40					
			05-B	40			06 - B	40					
			06-B	40			07-B	40					
			07-8	40			08-B	40					***************************************
			08-B	40			09-B	40					
			09-B	40			10-8	40					
01		-	01-8 02-8	41			02-B	41		 	 		
			- 1				03-B	- 15		├			
			03-B	41			04-B	41					
	+		D4-B	41	\dashv		05-B	41					
			05-B	41	_		Db-B	41					
			06-B	41			07-8	43					
184 REV. 6/71			07-B	41	- 1		08-B	41					

.·N19 414						TABDI 920	SHEET	19		LW	DOCUMENT		REV
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	1		YPE -	VIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN	<u> </u>	CHASSIS	ROW	PIN	SIZE	1	COLOR		DELET
97			08-B	41			09-B	41					
			09-B	41		1	70-B	41					
01		t	91-8	H 5	1		82-B	45			1		
0.4		L	02-8	45			03−B	42	1				
			03-B	42			04-B	42			ŀ		
			04-B	42			05-B	42					
			05-B	42			06-B	42					
			0 L -B	42	T		07-B	42		1			
			07-B	42	<u> </u>		D8-B	42					
			08-B	42			0 9 -8	42					
			09-B	42			10-8	42					
04			81-8 82-8	43	 		82-58 8-50	H3 43			1		
			03-B	43	1		04-B	43					
····			04-B	43			05-8	43			1		
			05-B	43			Db-B	43					
			06-8	43			07-B	43		1			
			07-B	43			DA-B	43					
			O8-B	43			09-B	43					
			09-B	43			1.0-B	43			1		
HOLD		1	₽Ь-В	44			07-B	44		\top			
		L	07-B	44			09-B	44					
HOLD			09-B	44	1	1	70-B	44]			1	

NIRD; DATA						THENT	SHEET	50		LW	DOCUMENT		REV.
			esta i mentione esta			1			r			7	A
SUBJECT TERM	LENGTH	ļ	ORIGIN		SORT	D	ESTINATION	١	1	YPE - \	VIRE	ECO NUMBER	ADD OR
IERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
HOLD ACK			06-B	45	ł		07-8	45					
			07-8 09-8	45 45	 		09-B 10-B	45 45					
60 HZ			Db-8	53			O8-B	53					
I 920 CHAR			D5-B	54			06-B	54		1			
			06-B	54			08-B	54					
REF READ			05-B	59			06-B	59					
REF WRITE	-		05-8	60			06-B	P0					
REC LB			05-B	61			06-8	61					
REC LB			05-8	P5			06-B	62					
LB 2 2 ⁷			05-8	63			06-B	L 3		1			
r8 5 5 _P			05-B	64			06-8	64					
LB 22 ⁵			05-8	L 5			D6-8	L 5		1			
LB 2 24			05-B	66			06-8	66					
r8 5 5 ₃			05-8	67			06-8	67					
r8 5 55			05-B	68			06-B	68					
re 5 5₁			05-8	69			06-B	69					
L8 ≥ ≥ ⁰			05-B	70			06-B	70					
BACK			03-B	46			08-B	46		T			
SYNC			09-8	46			10-8	46			1		
HODE			03-B	47			08-8	47					

INTHE SATA						10ENT 1920	SHEET	57		LW	DOCUMENT 6137		REV
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	1		TYPE - V	VIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN	<u> </u>	CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
CPU INPUT			09-B	47			10-B	47		\perp			
PRT CO			04-B	48			07-B	48		1			
PRT SIG			04-B	49			07-B	49					
PRT DSR			04-B	50			07-B	50					
PRT DATA			04-B	51,			D7-8	51		- (
DIZABLE RDY			09-B	48			10-B	48					
GET PPER ADD			09-B	49			10-B	49					
EXT INT			09-B	50			1.0−B	50					
PRT CHAR			04-B	53			09-B	53			T		
PRT DATA			04-B	56			09-B	56					
PRT BUFF 3/4 FULL			07-B	57			09-B	57					
PRT RDY			07-B	58			09-B	5 8					
PRINTER AUTO			.04 - B	59			08-B	59					
LOCAL 2ZA) OT			07-B	PO			08-B	PO					
ACN			D]A	49			Db-A	9					
ACH			01-A	- 5 1			Ob-A	7		1			
-9V			01-Y	59			05-A	5					
			05-A	5			Ob-A	5					
-9V			Ob-A	5			07-A	5		1			

CONTROL DATA					CODE 15	IDENT	SHEET &	25		LW	DOCUMENT		REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATIO	٧	Т	YPE - W	IRE	ECO NUMBER	ADD OR
TERM	LENGTH	CHASSIS	ROW	PIN] "	CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
-9V			08-A	5			08-A	5					
			08-A	5			A-P0	5					
			A-P0	5			10-A	5					
-9V			01-A ·	59			01-B	73					
			01-B	73	<u> </u>		02-8	73					
			02-B	73			03-B	73					
			03-B	73			04-8	73					
			04 - B	73			05-B	73		<u> </u>			
			05-B	73			06-B	73					
			06 - B	73			07-B	73					
			07-B	73	<u> </u>		08-8	73	<u> </u>				
			08-B	73			09-8	73					
			09- B	73			10-8	73					
-97			01-A	PO_	<u> </u>		D5-A	ь					
			05-A	<u> </u>			06-A	<u> </u>					
			06-A	6			07-A	L					
			07-A	6			08-A	6					
			D8-A	6	1		09-A	6					
			09-A	ь			10-A	6					
-90			D1-A	60			01-8	74					

N!ROL DATA						THE THE THE THE THE THE THE THE THE THE	SHEET 2	3		LW	DOCUMENT 613	371300	REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATIO	1	т	YPE -	VIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN	L	CHASSIS	ROW	PIN	SIZE		COLOR		DELE
-9V			01B	74			02-8	74					
			02-B	74			03-8	74					
			03-B	74			04-B	74					
			04-B	74			05-B	74					
			05-B	74			06-B	74					
			06-8	74			07-B	74					
			07-B	74			DA-B	74					
			08-B	74			09-B	74					
			09-B	74			1 0-8	74					
+124			01-A 05-A	61 69	ļ		05-A -06-A	69 69					
			Db-A	69			07-A	69					
			07-A	69			08-A	69					
			DA-A	69			D9-A	69					
			A-P0	69			10-A	69					
+154			01-A 05-A	. 20 FS	<u> </u>		05-A 06-A	70 70	-				
			O6-A	70			07-A	70					
			D7-A	70			08-A	70					
			ОВ−А	70			09-A	70					
			A-P0	70			10-A	70					
+207			03-A	70 69			10-A 05-A	34 71					

CONTROL DATA						TANDENT 05P	SHEET	24		LW	THE LE	NO. 71,300	REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATIO	N	1	YPE -	WIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELET
+207			05-A	71			06-A	71					
			06-A	71			07-A	71					
			07-A	71			08-A	71					
			08-A	71			A-P0	71					
			D9-A	71			1,0-A	71					
+20V			D3-A	70			05-A	72					
			05-A	72			06-A	72					
			06-A	72			07-A	72					
			07-A	72			08-A	72					
			08-A	72			09-A	72					
			09-A	72			10-A	72					
-15^			01-A 05-A	<u> </u>			05-A 06-A	73 73					
			06-A	73			07-A	73					
			07-A	73			08-A	73					
			08-A	73			09-A	73					
			A-P0	73			10-A	73					
-154			01A U5-A	科			05-A	74 74					
			06-A	. 74			07-A	74					
			07-A	74			08-A	74					
-12V			08-A	74			09-A	74					

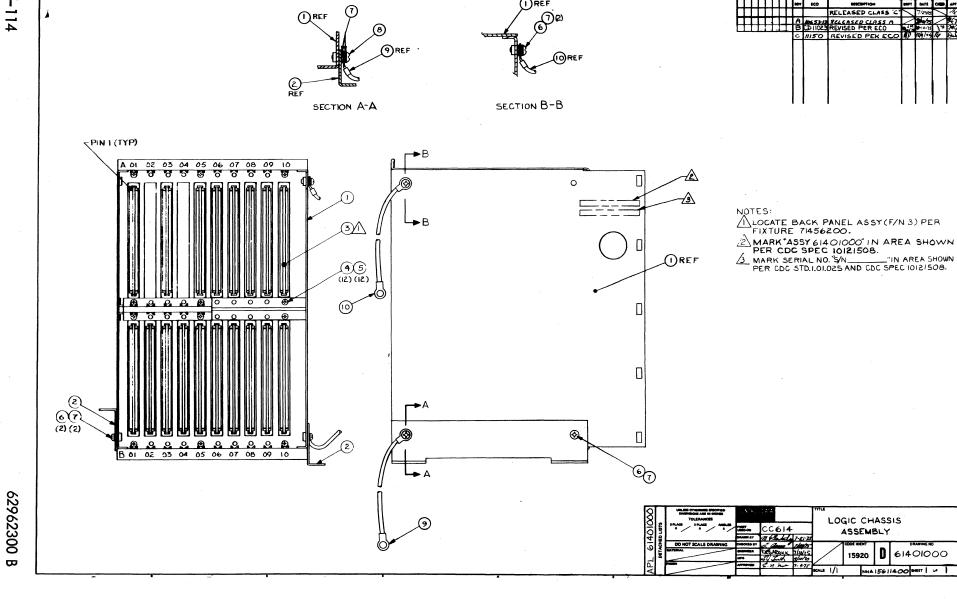
ewike gara						TABDI 920	SHEET 25			LW	DOCUMENT 61371		REV
SUBJECT	LENGTH	ļ	ORIGIN		SORT	DI	ESTINATION	1		TYPE -	WIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
-154			09-A	74			10-A	74					
-20V			10-A 03-A	74 75			10-A 05-A	29 75					
			05-A	75			Ob-A	75					
			06-A	75			07-A	75					
			07-A	75			08-A	75					
			08-A	75			09-A	75					
			A-PD	75			10-A	75					
-20V			03-A	76			D5-A	7Ь					
			05-A	76			06-A	7Ь					
			06-A	76			D7-A	76					
			07-A	76			D8-A	76					
			D8-A	7Ь			09-A	76					
			A-P0	7Ь			10-A	76					
-5V			01-B	5	<u> </u>		02-B	5					
			02-8	5			03-B	5					
			03-B	5			04-B	5					
			04-B	5			05-B	5					
			05-B	5			06-B	5					
			06-B	5			07-B	5					
~5V			07-B	5		I	D8-B	5					

CONTROL DATA						TMENT 920	SHEET 26			LW	DOCUMENT		REV
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATION	ı	T	YPE - V	VIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
			08-B	5			09-B	5					
			0 9 -8	5			10-B	5	<u> </u>				
-5V			01-B	Ь			02-B	Ь					
			02-B	Ь			03-B	Ь					
			03-B	Ь			04-B	Ь					
			04-B	٦			05-B	١.					
			D5-B	Ь			06-B	Ь					
			06-B	4			07-B	ь					
			07-B				08-B	ь					
			08-B	Ь			09-8	6					
			09-B	6			10-8	ь					
+15/			UT-B	护			01-8 02-8	7 <u>1.</u>					
			02-B	71			03-B	71					
			D3-B	71			04-B	71					
			04-B	71			05-B	71					
			05-B	71			06-B	71					
			06-B	71			07-B	71				<u> </u>	
			07 - 8	71			0 8- 8	71					
			08-8	71			09-8	71					
+154			09-8	7,1			10-8	71					

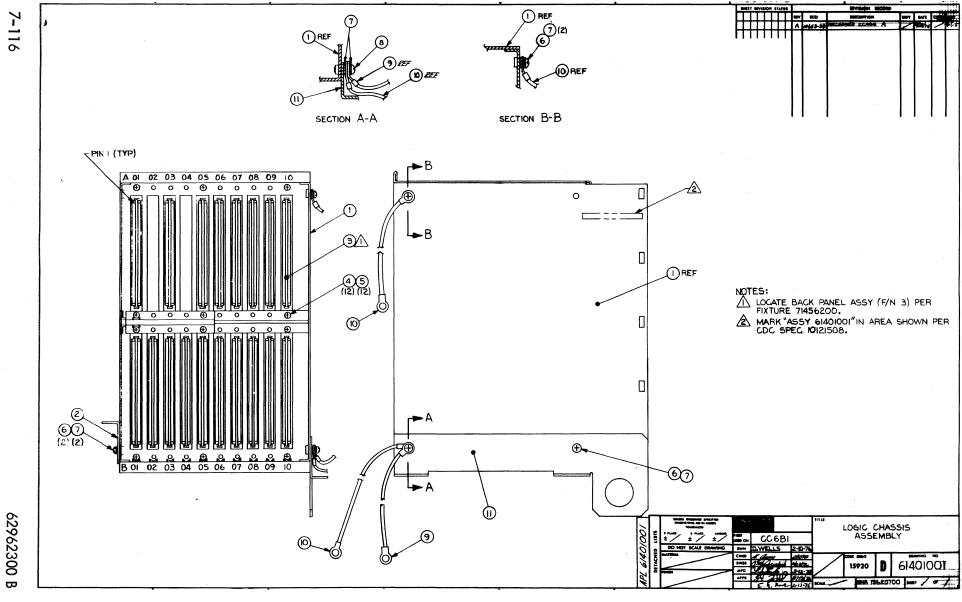
ONTROL DATA						TMBDI 920	SHEET	27		LW	THE LE	NO. 71,300	REV.
SUBJECT	LENGTH		ORIGIN		SORT	D	ESTINATIO	٧	Т	YPE - V	VIRE	ECO NUMBER	ADD OR
TERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELETE
+154			01-A	냙	-		02-B	72 72					
			02-B	72			03-B	72					
			03-B	72			04-B	72					
			04-B	72			05-B	72					
			05-B	72			D6-8	72					
			06-B	72			07-B	72					
			07-B	72			DA-B	72					
			OA-B	72			09-B	72					
			09-8	72			10-B	72					
-154			<u> </u>	53			03-B	75					
			02-B	75			03-B	75					
			03-B	75			04-B	75					
			04-B	75			05-B	75					
			05-B	75			06-B	75					
			Ob-B	75			07-B	75					
			07-B	75			D&-B	75					
			08-B	75			09-B	75					
			09-B	75			10-B	75					
-154			01-A 01-B	54			02-B	76					
-154			02-B	76			03-B	76			1		

CONTROL DATA						TABDI 920	SHEET 2	8		LW	DOCUMENT	NO. 371300	REV
SUBJECT TERM	LENGTH		ORIGIN		SORT	D	ESTINATIO	٧	1	YPE -	VIRE	ECO NUMBER	ADD OR
, ERM		CHASSIS	ROW	PIN		CHASSIS	ROW	PIN	SIZE		COLOR		DELET
-15V			03 - 8	7Ь			04-B	7Ь					
			04-B	76	·		05-B	7Ь					
			05-B	7Ь			06-B	7⊾					
			06-B	76			07-8	76					
			07-B	76			08-B	76					
			08-B	76			09-8	76					
-154			09-B	76			10-B	7Ь					
1ULTIDROP			03-B	52			08-B	52					
795MHZ			04-8	52			07-8	52		T			
.745MHZ			07-B	52			09-8	52					
.745MHZ			09 - 8	52			09-8	51		1			
PRINTER OPTION			04-8	55			08-B	55					
GND			ADTA	37			APDA	77					
GND			ADPA	BΕ			APDA	7A					
GND			APDA	39			APDA	79			-		
GND			APDA	55			APDA	80					
SEARCH MEMORY OPT:	ION		A028	56			A D&B	56					
DATA PRO- TECT OPTION	N		A 0 5 A	33			APDA	33					
										+-	-		

62962300 B 7–113



									PRINT DA	TE PAGE	FILE CHAP	GE NO.
		BUILD ARC	230)		ASSEMBLY PARTS	L	IST	11-19-7			11150
DIV.	Τ,	ASSEMBLY NUMBER CD	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RES	. FI	LE DATE
860		61401000 7	С	D	CHAS	SIS ASSY LOGIC	A	REL	09-10-75	CC6B1A	/B 11-	25-75
FIND NO	LI		D M	QUANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N WK	
001	01	61363411	!	1	PC	CARD CAGE WELDMENT		P				
002	0 Ĩ	71455300	5	2	PC	BRACKET-MOUNT CARD CAGE		P				
003	01	90432200	5	1	PĊ	CD ASSY 5BQD-0 BACK PANEL		N				1
004	01	10127103	•	12	PC	SCR MACH PAN HD 4-40X+312		8				į
005	01	10126400	-	12	PC	WASHER EXT TOOTH LOCK NO.	4	В				-
006		10127121		3		SCREW PAN HD 8-32x.312 LG SCREW PAN HD 8-32x.312 LG		B B	11023	11023	754	754
007		10126402		5		WASHER EXT. 8 Washer ext. 8		B B	11023	11023	754	754
008	0 Î	10127122	,	1	1.	SCREW MACH 8-32 X 3/8 PAN	нD	В				
009		51797217 61391106		1		TERM LUG RING CRMP 22-1R GND WIRE ASSY 9.5 16GA	1ñ	P 6	11023	11023	754	7 54
010 010		93462555 61391104		1 1		WIR 20GA STRD GRN 300V UL GND WIRE ASSY 4.5 16GA	PVĊ	w G	11023	11023	754	7 5 4
011	01	51797212	1	1	PC	TERM LUG RING CRMP 22-18	6	P		11023		754
					-	0015 TOTAL LINES						1
									!	-		1
										1		
									ĺ			
									l l		1	
									i	i		1
									l	i	!	
İ										1		
										1	İ	
										İ		
	L	1			L							























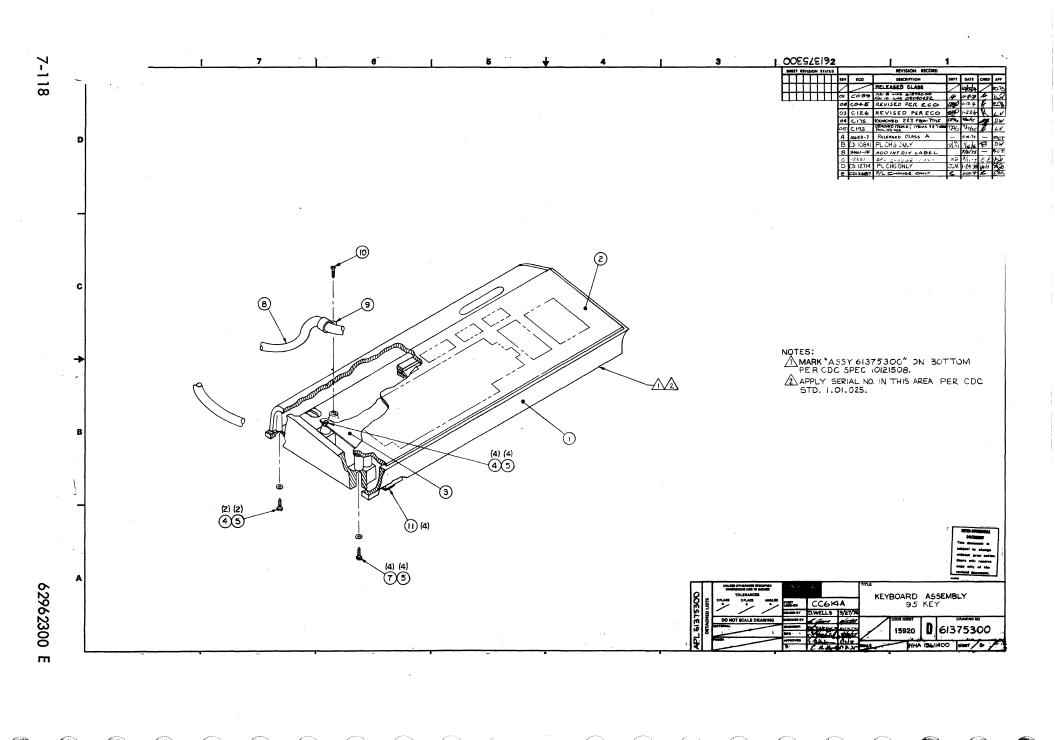








		Bust 0 - 55		_		ASSEMBLY PARTS		161	_	PRINT D		PAGE		E CHANGE	
		BUILD ARC					,			02-17-	16		1	1065	
DIV.	A	SEMBLY NUMBER C	+	DWG.		DESCRIPTION	MC	STAT	-+	STATUS DATE	-	ENG. R		FILE C	
860	<u> </u>	61401001		0		IC CHASSIS ASSY	A	RE		02-13-7		CC6B	S/N	02-1	
FIND NO		PART NUMBER	CD M	QUANTITY	U/M	PART DESCRIPTION		MC .	TLD	ECO. NO. IN	ECO. NO	o. QUT	3/N	WK IN	WK C
001		61363411		1	PC	CARD CAGE WELDMENT		P	ĺ						
002		71455300	- 1	1	1 1	BRACKET-MOUNT CARD CAGE		P							
003		90432200	-	1		CD ASSY 58QD-0 BACK PANEL		N							
	01	10127103	- 1	12		SCR MACH PAN HD 4-40X.312		8							
005		10126400	- 1	12	"	WSHP NO.4 EXT TOOTH LK TY		8							
006		10127121	İ			SCRFW PAN HD P-32X.312 (G		8							
007	01	10126402	1	7		WASHER EXT. 8 SCREW MACH 9-32 X 3/8 PAN	μп	8							
009		61391106		1		GND WIRE ASSY 9.5 16GA	nu	G							
_	01	61391104		2		GND WIRE ASSY 4.5 16GA		G							
011	1	71491831		1		BRACKET MOUNT CARD CAGE		P							
						0011 TOTAL LINES									
								П							
ĺ															
		! !													
1															

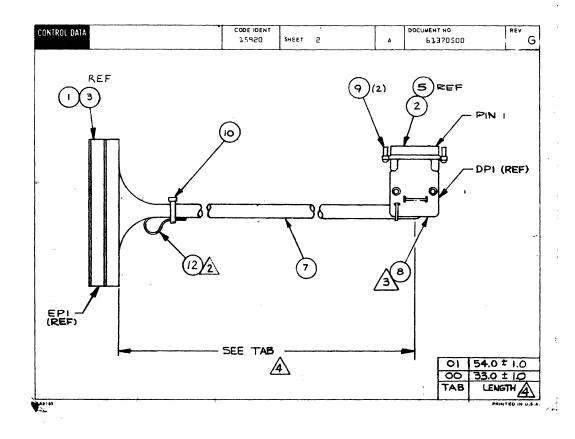


			_				ACCEAR		-	DTC			-	PRINT D		PAGE	FIL	E CHANGE	
		BUILD AR	С	440		4	ASSEMB	LI	PA	KID	L	13	ı	02-08-1	8	1	İ	00017	2687
DIV.	1	SSEMBLY NUMBER	CD	REV.	DWG.		DESCRI	TION			MC	STA	TUS	STATUS DATE		ENG. RES	P	FILE C	DATE
0860	Г	61375300	3	Ε	0	KEYE	CARD ASSY 9	5 KEY			N	RE	L	05-14-75	i L	IAT		02-00	-78
T FIND NO	LI	PART NUMBER	CD	M QU	ANTITY	U/M		PART DESCRIP	TION			MC	AFD	ECO. NO. IN	ECO. NO	OUT	S/N	WK IN	WK OUT
001	01	71453200	9	,	ı	PC	BASE, KEYBO	ARD (G	IOL D	FINIS	H)	P							
200		71453400 71492468		;	1		REPLACED BY	71492	:468	12687		P		12687	12	687		7806	7806
003		51907402	ł	1			KY80. 95 KE	V ENCE	nen		• 1	P			12	351			7748
003		51907405		;			KY80. 95 KE					P		12351		714		7748	
003		51907402		1 :	ì		KYBD. 95 KE					0		12714		687		7806	7806
003		51907405			i		KYBD. 95 KE					P		12687	•			7806	, 500
004	01	00860363	7		5	PC	MSCR SLF-LK	G HEX	6-32	X3/8		В							
005	01	101256-15	5	10	>	PC	WSHR NO.5 1	YP A P	, LÁIV	STL	CP	8							
007	01	U 0 8603 ₀ 4	5	4	•	PC	MSCR SLF-LK	G HEX	6-32	2×1/2		8							
908	01	61370500	3	:	١	PC	CABLE ASSY	KEARON	IRD-E	EXTERN	AL)	A							
009	02	24565003	1	:	4	PC	CLAMP, 5/16	DIA ÇA	SLE	BLK N	4F0	8		10841		.		7531	
010	01	18607908	3	:	١	PC	SCR, TPG IN	ID/HEX	8-18	3x1/2	SŢL	8							
011	01	51805801	1	1 '	٠	PC	BUMPER, RUB	BER .3	100н	SLF-S	TKG	В							
							0014 TOTAL	LINES											
			1																
			١.	ı	1.							11						1	1

62962300 E

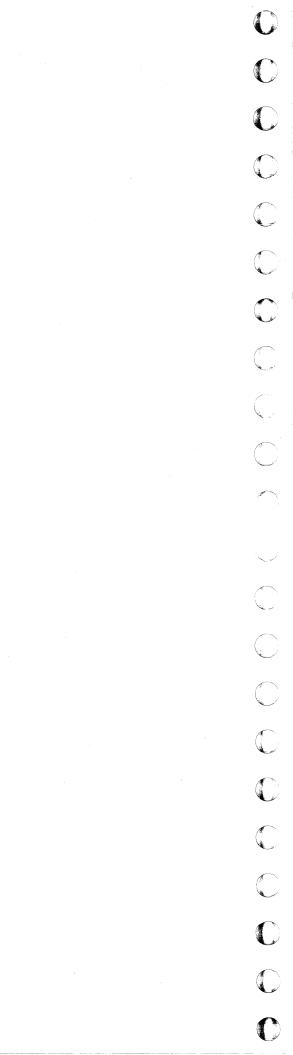
WN	D.	Wel	ls		10/11	74	CONT	BUI	DATA	TITL	E									PREFI	X DOCU	MENT NO.		F	EV
HKD	3	Tre.			10110					CA	BLE	A S	YZ	ΚE	YB0	ARD	EXT	ERNAL		A		1370500	101	1	G
FG .	30	999			10/14) 11/23/						TUSE									NHA		1			
PPR	5.4	بار		_	4-2)			101 920			C	c	6	14	/	C	ce	BI			0100	SHEET	1 of	4	
					SHE	ETR	EVIS	ION	STAT	us										REV	ISION RE	CORD			
	Ш											1.A	4	3	2	1	REV	ECO			CRIPTION		DRFT	DATE	APP
											\perp		-						RE	LEASI	D CLA	zz "c"		10-14-7	11.1
											\perp		-	01	01	01	ō	C039	ADE	ED O		VT NO. 18	Po	11-8-1	and
_			\perp								\perp	1	02	02	02	02	oz	CZZI	ADDE	O F/N	VID IDEN	T 19 Hau 22 ADDED	R	3-27-15	
												\rightarrow		A	A	A	A	10653-1	4.			1455 A		1/24/7	26.7
<u> </u>							L		L		\perp		Α	В	Α	В	В	10908	REI	ISE	D PE	R ECO	1 //3	8	No
													Α	В	C	С	U	(D)0952	ADD	ED [M 54	25.20	3	9/3/25	July
_									<u> </u>				C	د	C	c	د	7401-15	ADE	147	DIV	ABEL		19/14/75	'I.
													c	ح	c	ے	ت	9401-16	ADD	INT D	IV LABE	LAA5722	1	10/23/75	7.
													D	D	D	D	Δ	O 11438	REVI	SED	PER E	<u>:</u>	B	4-2-7	000
T			iii		<u> </u>									D	Ε	Ε		CD11547	 		per E			6/Hho	
	-64												٥	D	F	F	F	CD 11616	REVI	SED	PERE	co .	J.M	8-19-7	X)
							_					G	G	6	G	G	G	CD 11945	ADO	ED.	TAB O	1 1	-	1/3/77	144
		4	4					L											ĺ						
		.00	14				L		<u></u>			_												1	
100			**	_	L			L	<u> </u>																<u> </u>
TES:		16.4	der	at i	Éu	wit	h (n.c	0 = 0	+ N	umbe	ır.													
Z					•								un	der	ca	ble	tie	as shown	١.		• .		D) L	137050	חר
$\overline{\Delta}$	Ti	ם אור			-4	e e r			1.	ded	wit	h e	ເດຄ	nec	tor	· ho	od.		. •					HED LIS	

CONTROL DATA	CODE IDENT	SHEET], A	А	DOCUMENT NO. 61370500	REV G
See tabulation on Sht 2 for leng	jth.				•
	•				
				;	
,					
	,				



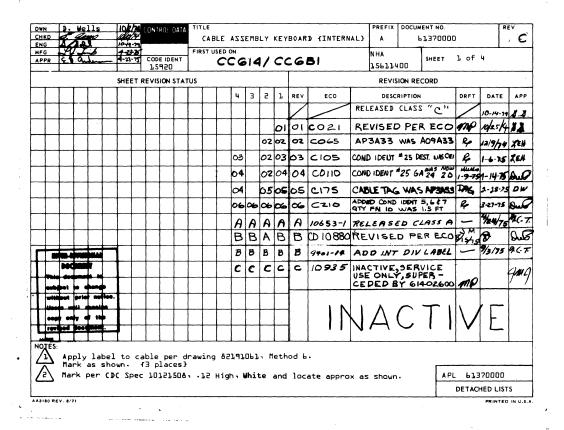
CONTROL D.	ATA							.5920	NT	SH	EET	3		w	ι	bl370500 REV
CONDUCTOR IDENT	FIND NO	GAU (REI			(GTH PROX)		RIGIN			CESS NO.	0	ESTINATI	ОН	ACC FIND		REMARKS
ı	7	56	90	4	4	D	P],	ı		5	E	P3.	ı	3		Control Key
5	1	4	91		4		4	5	1				5	1		Kybd Data 2.?
3			92					3					3			Kybd Data 2 ^b
4			93					4					4			Kybd Data 2 ⁵
5			94					5					5			Kybd Data 2 ⁴
Ь			9 5					Ь					Ь			Kybd Data 2 ³
7			96		Ш			7					7			Kybd Data 2 ²
8			97					a					8			Kybd Data 2 ¹
9		Ц	98					9					9			Kybd Data 2 ⁰
10			900	L				10					10	L		Kybd Rdy
11	Ш	Ц	407					11					11			Local To Print
75		L	902	L				15	Ш				15	L		Line To Print
13		56	903	L				14		5			14			Lower (ase Enable
14	\sqcup	24	5	L				23	Ŀ	5			20.			+5V
15		24	0	L				24	ي ا	i			57			Gnd .
16		24	٩	L			<u> </u>	25	Ŀ				55		3	`-12v
17	7	24		1		DF	1	50	Ŀ		E	1	18	31	Ļ	. Safety Gnd Bare Drain
18	7.	S₽	904	L		DI	P),	13	L	5	E	P],	13		3	BREAK
14	7	51	475	Ц		DP	1	15	L	5	ΕP	1	1.5	3		GND
50	. 7	56	911	1/4	1	DP	ን ተ	16	1	5	٤F	1	1.6	3		GND .

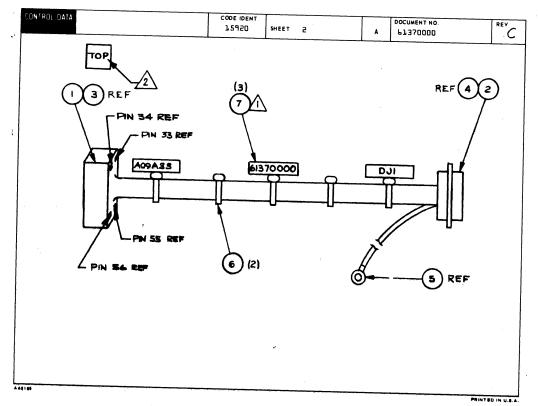
C C



CONTROL DA	TA				-	, COD€ 1,5°	10ENT 120	SHEET	4		WL.	CUMENT NO. 61370500 /	G
ONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	C	ORIGIN		ACCESS FIND NO.	DESTINAT	10N	ACCESS FIND NO		
57	7	56	450	4	DPL]	1.7	5	EPL	17	3	GND	
55	7	56	960	4	DPL	;	18	5	EbJ"	3.0	3	GN D	
		ļ		· -			\dashv				1		·
		ļ									╁		 -
		-	<u> </u>	- 1					····	+	+		
	·	 					\neg			+	†		
										†	 		
							_						
		ļ									 	<u> </u>	
		<u> </u>								 -	 		
				 			-			+	 	<u> </u>	
		<u> </u>		\vdash			-			+-	 	***************************************	
		-					-			+	†	 	
: 										+	T	-	
												PRH	

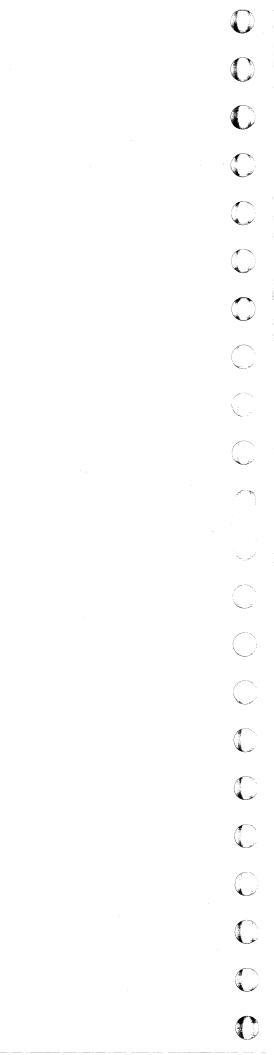
						ASSEMBLY PARTS		ET	PRINT DA		PILE CHANGE	
		BUILD ARC	104			ADDEMOLI PAKIS			12-20-7		0001	60
DIV.	1	ASSEMBLY NUMBER CD	RBV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RES		
1860		61370500.3		A		LE ASSY (KEYBOARD-EXTERNAL)		REL	04-24-75		15-5	
FHÉB NO	Ł)	PART HUMBER	CD M C	YTHANG	U/M	PART DESCRIPTION		MC PLD	ECO. NO. IN	ECO. NO. OUT	S/N WKIN	MK OF
603	01	51652967	0	1	PC	CONN, PC EDGE 22 POS 3.88	8 W	ρ .				
002	01			1		CONN. MALE 25POSN PLUG AL		P				
003				55	1	CONTACT.FLAG 26-22ANG STR		P		****		762
004	01	1	- [18	-	CONTACT. STRIP PINS 26-90		P		11438		762
005 005			7	55		CONTACT, STRIP PINS 28-24 CONTACT, STRIP PINS 28-24		P	11438	11438	7624	(ës
906	01	94277469	2	3	PC	STRAP CABLE TIE TYPE 6		8		11547		762
007	01	51908500	5	3	FT	CBL, SHLD F16 1 25 CNBCT	3064					
800	01	51908402	*	1	1.	CONN MOOD430/.390 68L		111				
688	63			2	PC	LKG DEVICE; CONNECTOR TYP	314					
010 010 010	02	94277400	1	2 5 1	PC PC	STRAP CABLE TIE TYPE I		6 B 8	115#7A 1161 <u>6</u>	11547A 11616	7621 7633	
0]1	ė)	24528610	•	. 30	P FT	TUBING INS SZ 13 BLACK		В				
012	01	51758103	P	25	50 FT	INS SLV+CLR+PVC HEAT SHRI	NK	8				
			,			0015 TOTAL LINES			-			
			ĺ	-								
								+		`	1	
		1	i		1				1		- 1	1





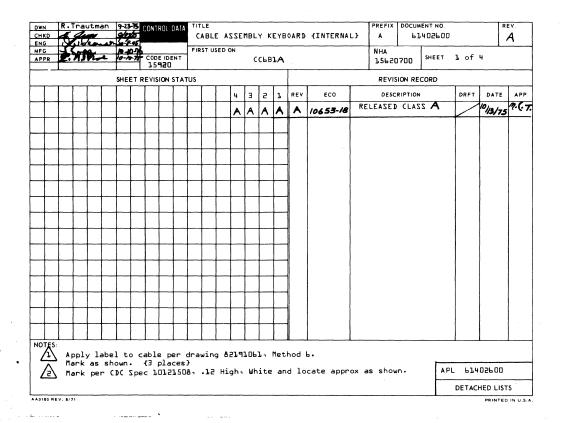
						CODE 101		SHEET 3		WL	DOCUMENT NO. RET
CONDUCTOR IDENT:	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	ORIG	in.	ACCESS		ATION	ACCESS FIND NO.	REMARKS
1					APOA	33	3				0pen
2	8	24	9	18.0	4	34	A	DJL	1,4	4	64/96 (har
3						35					0 pięn
4						36					0pen
5	10	24	0	18.0		37		DJL	1.5	4	Ground
Ь	10	24	0	18.0		38		DIT	16	4	Ground
7	10	24	0	18.0		39		DNT	17	4	Ground
8	9	24	2	38.0		40		DII	53	4	+5V
٩	B	24	9	14.0		41		1 4	01	4	Control Key
70	1			1		42			02		Kybd`∌ata 2 ⁷
ıı						43			03		Kybd Data 26
15						44			D4		Kybd Data 2 ⁵
13						45			05		Kybd Data 24
14						46			OP		Kybd Data 2 ³
15						47			07		Kybd Data 2 ²
16						48			08		Kybd Data 2.
17						49			09		Kybd Data 2 ⁰
18						50			70		Kybd Rdy
19		•	1		1	51	1		77		Local To Prt
50	8	24	9	18.0	APDA	52	3	DJL	12	4	Ln To Prt

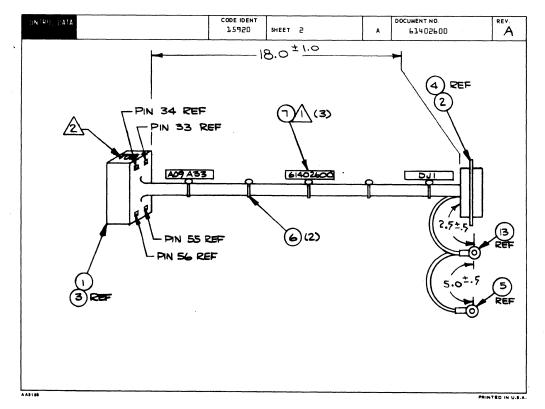
	4" 4"					2592		HEET 4		WL	DOCUMENT NO.	REV.
CONDUCTOR IDENT:	FIND NO	GAUGE (REF.)		LENGTH (APPROX)	ORIG	in	ACCESS FIND NO.	DESTINA		ACCESS FIND NO	REMARKS	
51	11	24	Ь	18.0	APOA	53	3	DJL	25	4	-12V	
, jiz					APDA	54	3.					
53	10	24	0	18.0	APDA	5.5	3	DJL	18	4	Ground	
24	10	24	0	18.0	APOA	56	3	DJL	24	4	Gnd	
25	12	20	5	3.0	DJL	20	4	CEB		5	Safety Ground	
							ļ			<u> </u>		
										ļ		
					ļ							
	 	-	<u> </u>				ļ			ļ		
			ļ		<u> </u>		-	ļ	+-	 		
	├—	├	 				 	ļ	+			
	ļ		-	-			ļ		_	 		
				-			 		+	-	ļ	
		-	├		<u> </u>		 		-		<u> </u>	
	 		 	┼			├	 	-	 		
			 	╁──		+-		 	+	 		
	_	-	 	-	\vdash	+-	┼	-	+	-		
	 		+	+			 		+	\vdash		
AA 3183 . REV. C	L		<u></u>	L			<u> </u>			L	<u> </u>	7979 8



		BUILD AR	c	104			ASSEMBLY F	PARTS I	19	ST	-	10-29-7		AGE	FILE CHANGE	
																-
B60	+^	61370000	CD		WG.		DESCRIPTION	1007E A	+	STATUS	+	STATUS DATE		G. RESP.	FILE	
HIND NO	٠.,	PART NUMBER	-			REPI	LACED BY 61402600			INA		0-22-75	ECO. NO. O		10-2	
			1			1			+	+	+	.O. NO. III	aco: no: o			,,,,,
001		53863012	į	1		PC	CONN HSG(DBL ROW)	24 FAVITY	- 1	P						
002		5@397914	2	1		PC	CONN 25 POSITION	PLUG ALONE	1	P		ĺ				
003	01	94245602	1	24		PC	CONTACT SOC 24-26	AWG STRIP	1	P		İ				
004		52397917 52397917		17 21		PC	CONN STRIP SOC 20			P		10880	108	30	7529	75
005	01	5)797217	1	1		-			-	P		10000			1327	
			1				TERM LUG RING CRM		1							
006		99277400	i	5			STRAP CABLE TIE T	_	1	P						
007	01	94277409	2	3		PC	STRAP CARLE TIE T	YPE .	-	P		l				
800	01	24548310	2	19	500	FT	WIR 24GA STRD WHT	3004 UL P4	С	4						
09	01	24548303	7	1	500	FT	WIR 24GA STRD RED	300¥ UL P¥	С	w		i				
010	01	24548301	1	7	500	FT	WIR 24GA STRD BLK	300V UL PV	С	w		İ				
011	01	25548307	8	1	500	FT	WIR 24GA STRO BLU	300V UL PV	С	•		j				
012	01	93462555	9	2	500	FT	WIR 20GA STRD GRN	300V UL PV	c	w						
			-				0013 TOTAL LINES		-	ĺ						
							,		1							1
									Ì							
												Ì				
			-									ĺ				
			-													
			!			1			\perp	丄						

C



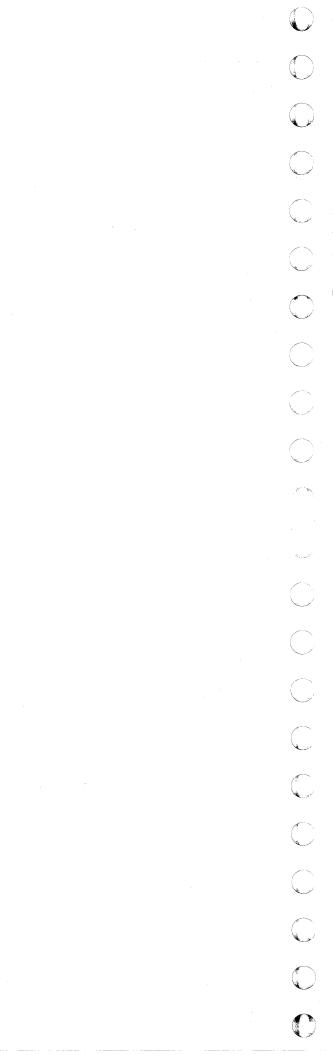


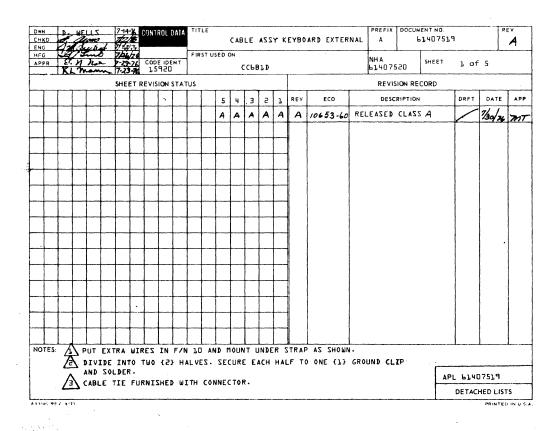
ONTROL DA	TA					159			HEET	3			A D	OCUMENT NO. R	A
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)		ORIGIN			CESS O NO.		DESTINATIO	N	ACCES	DEUADEC	
r					APDA		33	:	3					0pen	
2	8	24	9	18.0	4		34			D	JL	14	4	64/96 Char	
3							35							0 pen	
4							3Ь							0 pen	
5	10	24	0	18.0			37			D	17	15	4	Ground	
6	10	24	0	18.0			38			D.	12	16	4	Ground	
7	70	24	0	18.0			39			D	17	17	4	Ground	
ð	9	24	2	18.0		L	0			D	17	23	4	+5V	
9	8	24	9	18.0		ų	1			- 1	1	οr	1	Control Key	
70	A	A	4	A		4	2					02		Kybd Data 2 ⁷	
11						ц	3					03		Kybd Data 2 ⁶	
75						4	4					04		Kybd Data 2 ⁵	
73						4	5					05		Kybd Data 24	
14						4	ь					OP		Kybd Data 2 ³	
15						4	7					07		Kybd Data 2 ²	
16						4	8					08		Kybd Data 2 ¹	
17						4	9					09		Kybd Data 2 ⁰	
18						5	0					סנ		Kybd Rdy	
19	1	1	1	•	1	5	1	1		1		11	1	Local To Prt	
50	8	24	9	18.0	APOA		52	3		D.	17	75	4	Ln To Prt	

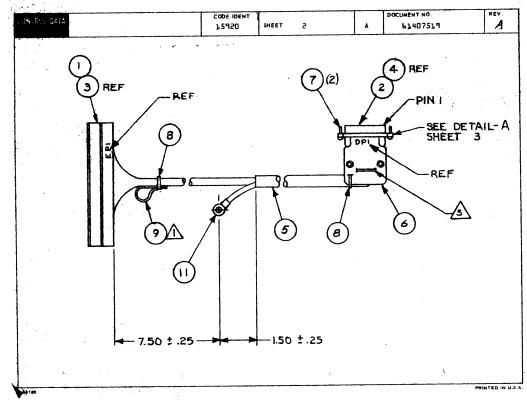
CONTROL DA	TA					CODE IDENT	SHEET	4		A D	OCUMENT NO. 61402600	REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)	COLOR (REF.)	LENGTH (APPROX)	ORI	GIN	ACCESS FIND NO.	DESTINATI	ON	ACCES	DEMARKS	
57	11,	24	Ь	18.0	APOA	53	3	DJL	25	4	-12v	
55					APDA	54	3					
53	70	24	0	18.0	APOA	55	3	DJL	18	4	Ground	
24	10	24	0	18.0	APDA	56	3	DJL	24	4	Gnd	
25	15	50	5	2.5	DIT	50	4	Term Lug		13	Safety Ground	
52	12	50	5	5.0	Term Lu	9	_	Term Lug		5	Safety Ground	

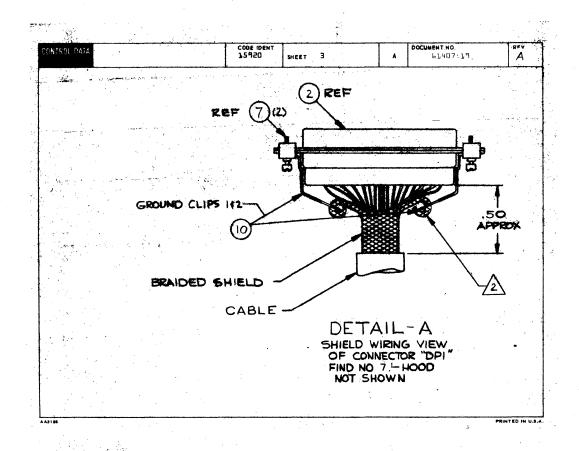
			_				ASSEMBLY PARTS		ICT		PRINT DATE		PAGE	FI	LE CHANGE	NO.
		BYILD AR		04			ASSEMBLI PARIS	L	191		10-20-75	j	1		10653	3-38
DIV.	+	ASSEMBLY NUMBER	CD 8	EV.	DWG.		DESCRIPTION	MC	STATU	5	STATUS DATE		ENG. RESI	,	FILE (DATE
860	丄	61402600		A	A		E ASSY KEYBOARD INTERNAL	A	REL		10-13-75	C	C543A		10-20	-75
FIND NO	u	PART NUMBER	CD M	QUA	NTITY	U/M	PART DESCRIPTION		MC YL	D	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	WK O
001	01	52863912	•	1		PC	CONN HSE (DBL ROW) 24 EAVIT	ſΥ	P							
00Z	01	53397914	5	1		PĊ	CONN 25 POSITION PLUS ALOR	ŧΕ	P							
003	01	94245602	1	24		PC	CONTACT SOC 24-26AWG STRIP	•	P							
004	01	53397917	5	21		PC	CONN STRÍP SOC 20_24GA		P							
005	01	52797217	0	1		PĊ	TERM LUG RING CRMP 22-18	10	ρ	1						
906	01	94277400	1	2		PC	STRAP CABLE TIE TYPE 1		P							
907	01	94277409	2	3		PC	STRAP CABLE TIE TYPE 6		P							
908	01	24548310	2	19	500	FŤ	WIR 24GA STRD WHT 300V UL	PVC	W							
009		24548303	1	1	500	FŤ	WIR 24GA STRD RED 300V UL	PVC	W							
010		24548301		7	500	FŤ	WIR 248A STRO BLK 300V UL	PVC	W							
011		24548307		1		1.	WIR 246A STRD BLU 300V UL		1 1							
012		92462555					WIR 206A STRD GRN 300V UL	PVC	w							
913	01	51797204	8	1		PC	TERM LUG RING CRMP 22-18	4	8							
							0013 ȚOTAL LINES									

		BUILD AR	C	440			MOS	EME) L I	FA	KIJ	-	131		02-08-7	•	1		0001	2687
DIV.	A	SSEMBLY NUMBER	CD	REV.	DWG.			DESCRI	PTION			MC	STAT	US	STATUS DATE		ENG. R	ISP.	FILE	DATE
860	1	61407520	8	0	o	KEY	CARD	ASSY	95 KEY	(SH	ELDI	N	REL		07-30-76	1 (CC6H1	D	02-0	8-78
FIND NO	LI.	PART NUMBER	(0)	u q	VANTITY	U/M			PART DESCRI	PTION			MC Y	rLD	ECO. NO. IN	ECO. NO	D. OUT	5/N	WK IN	WK OU
001	01	71491940	4		1	PC	BASE	• KARD	≥SHIE	LDĒD.	•		P							
002	01	71491941	2		1	PC	REPL	ACED B	Y NONE	126	87		v			1	4687			780
005	02	71492468	5		1	PC	COVE	S-KARD					P		12687				7806	
003	03	51907402	5		1	PC	KYBD	95 KI	EY ENC	ODED	CASCI	1)	P	1		16	2495		1	780
003	04	51907405	8		1	PC	KYBD	. 95 KI	EY ENC	ODED	ASCI	T)	P		12495	1	2714		7806	780
003	05	51907402			i			95 KI					P	- 1	12714		2687		7806	780
003		51907405			i			95 KI					P		12687				7806	•
004	01	00860303	7		6	PC	MSCR	SLF-LI	KG HĒX	6-3	2×3/8		8							
005	01	10125605	5		6	PC	WSHR	NO.9	TYP A	PLĄI	N STL	CP	В							
006	01	202040202	5		4	PC	WASH	ER LOCI	K DISH	E0 T	00TH N	0.6	8							Ì
007	01	00860304	5		4	PC	MSCR	SLF-L	KG HEX	6-3	2x1/2		В							
800	01	61407519	U		1	PC	CABL	E ASSY	KEA è O	ARD	EXTERN	IAL	A							
009	01	51917070	8		1	PC	ÇLAM	P, TUBI	E SIZE	6 (ALUM)		P							
010	01	18607908	3		1	PC	SCR,	TPG I	ND/HEX	8-1	BX1/2	SŢL	8							
011	01	51805801	1		4	PC	BUMPI	ER, RU	BBER .	300H	SLF-S	TKG	8							
							0015	TOTAL	LINES											
																	l			
	- 1																			
															1					
1														1						
	-													- [





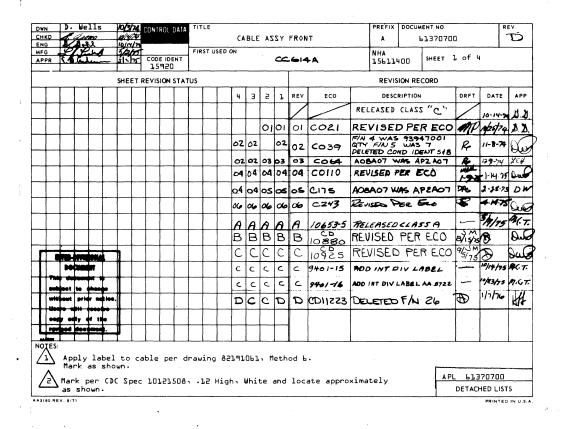


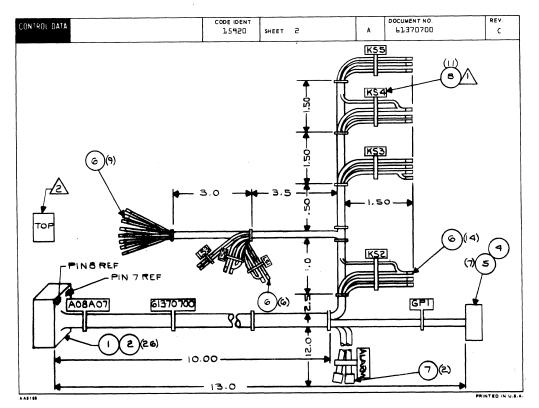


	CONTRUL DA	TΛ				C	DE IDEN	r				DOC	UMENT NO.	REV.
						1.	5920	SHEET	4		WL		61407519	A
-	CONDUCTOR	FIND -	GAUGE (REF.)		LÆNGTH (APPROX)	ORIGIN		ACCESS-	DESTINATI	ON	FIND		REMARKS	
-	1	ь	5.P	0	36.0	DPl	1	5	EP1	1,	3		Control Key	
	2	F	5P	۹3	36.0	DP1	5	5	EP1	2	3		Kybd Data 2 ⁷	
-	3	Ь	- 25	56	36.0	DP1,	3	5	£P1,	3	3		Kybd Data 2 ^b	
	4	ь	56	93	36.0	DPl	4	5	EP1	4	3		Kybd Data 2 ⁵	
	5	ь	5.	94	36.0	DP1	5	5	EP),	5	3		Kybd Data 24	
	6	6	5.P	95	36.0	DPL	Ь	5	£P₃	6	3		Kybd Data 23	
	7	ь	SP	96	36.0	DP1	7	5	EP1	7	3		Kybd Data 2 ²	to a construction of the c
	8	Ь	5P	97	36 ∙ 0	3 P1	8	5	EP1,	8] 3		Kybd Deta 2 ¹	~~~
	9	F.	5P	98	36.0	DP1,	9	5	EP1	9	3		Kybd Data 2 ⁰	
	10	ь	5.P	930	36.0	DP J	70	5	EP1	1.0	Э		Kybd Rdy	
	33	Ь	5.P	920	36.0	DP1	11	5	EP1	11	3		Local to Print	
	75	b	5.P	930	36.0	DP 3	75	5	EP1	75	3		Line to Print	
	13	ь	5.P	940	36.0	D P1	34	5	EP1	1.4	3		Lower Case Enab	le
	. 34	ь	58	5	36.0	DP1	23	5	EP1	50	3		+5V	
	15	Ь	5#	3	36.0	DP1	24	5	EP1	57	3		Gnd	
֡) lb	ь	24	4	3 L • 0	DP1	25	5	EP1	55	3		-75A	
	17	P.	24	1	36.0	⊅ P1	50	5	EP1	1,8	3	٠.,	Safety Gnd	
	18	Ь	5P	950	36.0	₽ P3	13	5	EPL	7.3	3		Break	
	ኔዓ	ь	5.	960	36.0	DPL	1.5	5	EP1	1,5	3		Gnd	
	20	b.	5.	970	3F · 0	DP1	36	5	EP1	16	ј з		Gnd	

CONTROL DA	TA			-		1,5	E IDENT	SHEET	5		w	L DOG	UMENT NO. 61407519	REV.
CONDUCTOR	FIND NO.	GAUGE (REF)		LENGTH (APPROX)	c	RIGIN		ACCESS FIND NO	DESTIN	AT ION		ACCESS FIND NO	REMARK	s
51'	ь	SP	5	36.0	1	Pl	17	5	EP1		. 7	3	6nd	
55	Ь	SP	Ь	36.0	I	Pl	18	5	EP』		.9	3	Gnd	
					1	Pl		11	LUG	_	-	75	BRAIDED CABL	E SHIELD
									,					
	,									-				
	<u> </u>										\neg			
-														
											+			·
										-	_			
											-			
											\dashv	,		
										-	\dashv			
				,										

					DANNY BASS	2455	LE CHANGE NO.
	BUTIO APC	1.04	ASSEMBLY	PARTS LIST	The second secon	1	10653-60
_			DESCRIPTION	MC STATUS	STATUS DATE	ENG. RESP.	FILE DATE
			CARLE ACOV KEYROADO	FYTERNAL A REL	07-30-76	CC6B1Di	08-05-76
							WK IN WE OU
1 0	1 51652907 0	1	PC CONN, PC EDGE 2	2 POS 3-588W P			
5 0	1 53397814 4	1	PC CONN, MALE 25PO	SN PLUG ALONE P		- Transaction	
3 0	1 94219902 7	22	PC CONTACT+FLAG 26	-22AWG STRIP P			
4 0	1 53397817 7	52	PC CONTACT. STRIP	PINS 28-24GA P			
5 0	1 51908501 3	3	FT COL, SHLD FIG 2	25 CNBCT 300V W			
6 8	1 51908402 4	1	PC CONN HOOD . 438	7.390 GBL DEA P		į !	
7 6	1 94288021 2	2	PC LKS DEVICE, CON	NECTOR TYP 3M P			
8 0	1 94277400 1	2	PC STRAP CABLE TIE	TYPE 1 P			
9 0	1 51758103	25	O FT INS SLN+CLR.PVC	HEAT SHRINK B			1
						Ì	
1 0	1 51797259 2	1		1.1			
			0011 TOTAL LINE	rs			
i							
				ii	1		
	1 0 0 0 3 0 0 4 8 8 7 0 8 9 0 0 0 0	ASSEMBLY ROWNERS CO. A A1A07519 8 O II PART NUMBER CO. 1 01 51652997 6 2 01 53397814 4 3 01 94219902 7 4 01 53397817 7 5 01 51908501 3 6 01 51908402 4 7 01 94288021 2 8 01 94277400 1 9 01 51758103 5 0 01 71491967 7	ASSEMBLY NUMBER CO REV. DWG. A 140.7519 0 A A O II PART NUMBER CO M QUANTITY 1 01 51652967 0 1 2 01 53397814 4 1 3 01 94219902 7 22 4 01 53397817 7 22 5 01 51908501 3 3 6 01 51908402 4 1 7 01 94288021 2 2 8 01 94277400 1 2 9 01 51758103 9 25 0 01 71491967 7 2	A 1407519 0 A A CAB E ASSY KEYBOARD O LI PART NUMBER CO REV. DWG. DECRIPTION 1 01 51652987 0 1 PC CONN., PC EDGE 2 2 01 53397814 4 1 PC CONN., MALE 2SPC 3 01 94219902 7 22 PC CONTACT. STRIP 5 01 53397817 7 22 PC CONTACT. STRIP 5 01 51908501 3 3 FT CBL., SHLD FIG 2 6 01 51908402 4 1 PC CONN HOOD. 436 6 01 94277400 1 2 PC LKG DEVICE. CON 8 01 94277400 1 2 PC STRAP CABLE TIE 9 01 51758103 9 250 FT INS SLV+CLR.PVC 1 01 51797259 2 1 PC LUG, CRMP R TER	ASSEMBLY NUMBER CO REV. DWG. DESCRIPTION MC. STATUS A 1407519 0 A A CABLE ASSY KEYBOARD EXTERNAL A REL TART NUMBER CO M QUANTITY UM PC CONN, PC EDGE 22 POS 3.588W P 1 01 51652987 0 1 PC CONN, PC EDGE 22 POS 3.588W P 2 01 53397814 4 1 PC CONN, MALE 25POSN PLUG ALONE. P 3 01 94219902 7 22 PC CONTACT. STRIP PINS 28-249A P 4 01 53397817 7 22 PC CONTACT. STRIP PINS 28-249A P 5 01 51908501 3 3 FT CGL, SHLD FIG 2 25 CNBCT 300V W 6 01 51908402 4 1 PC CONN HOOD4307.390 GBL DIA P 7 01 94288021 2 2 PC LKG DEVICE, CONNECTOR TYP 3M P 8 01 94277400 1 2 PC STRAP CABLE TIE TYPE 1 9 01 51758103 9 250 FT INS SLN+CLR.PVC HEAT SHRINK B 0 01 71491967 7 2 PC CLIP, GROUND (COPPER/TIN PL) P	ASSUMENT NUMBER CO REV. DWG. BESCHIPTION MC. STATUS DATE A ALAO7519 0 A A CABLE ASSY KEYBOARD EXTERNAL A REL 97-30-75 O II PART NUMBER CO M QUANTITY U/M PART DESCRIPTION 1 01 51652987 0 1 PC CONN, PC EDBE 22 POS 3.588W P 2 01 53397814 4 1 PC CONN, MALE 25POSN PLUG ALONE. P 3 01 94219902 7 22 PC CONTACT.FLAG 26-22AWS STRIP P 4 01 53397817 7 22 PC CONTACT. STRIP PINS 29-24GA P 5 01 51908501 3 3 FT COL., SHLD FIG 2 25 CNOCT 300V W 6 01 51908402 4 1 PC CONN HOOD430/.390 CBL DIA P 7 01 94288021 2 2 PC LKG DEVICE, CONNECTOR TYP 3M P 8 01 94277400 1 2 PC STRAP CABLE TIE TYPE 1 P 9 01 51758103 9 250 FT INS SLV+CLR.PVC HEAT SHRINK B 0 01 71491967 7 2 PC CLIP, GROUND (COPPER/TIN PL) P 1 01 51797259 2 1 PC LUG, CRMP R TERM 12-10GA 8SS B	BUILD ARC 104 ASSEMBLY PARTS LIST 08-05-76 1 ASSEMBLY NUMBER CO REV. DWO. ALACYSIG A A A CABLE ASSY KEYBOARD EXTERNAL A REL 07-30-76 CC681DL O II PART NUMBER CO NO OUT U/N PART DESCRIPTION MC VID ECO. NO. IN ECO. NO. OUT U/N 1 01 51652907 0 1 PC CONN. PC EDGE 22 POS 3.588W P 2 01 53397814 4 1 PC CONN. MALE 25POSN PLUG ALONE. P 3 01 94219902 7 22 PC CONTACT. STRIP PINS 20-049A P 4 01 53397817 7 22 PC CONTACT. STRIP PINS 20-049A P 5 01 51908501 3 3 FT COL., SHLD FIG 2 25 CNOCT 300V W 6 01 51908402 4 1 PC CONN HOOD4307.390 GBL DIA P 7 01 94288021 2 2 PC STRAP CABLE TIE TYPE 1 P 9 01 51756103 9 250 FT INS SLN-CLR.PVC HEAT SHRINK B 0 01 71491067 7 2 PC CLIP. GROUND (COPPER/TIN PL) P 1 01 51797259 2 1 PC LUG, CRMP R TERM 12-106A 8SS B

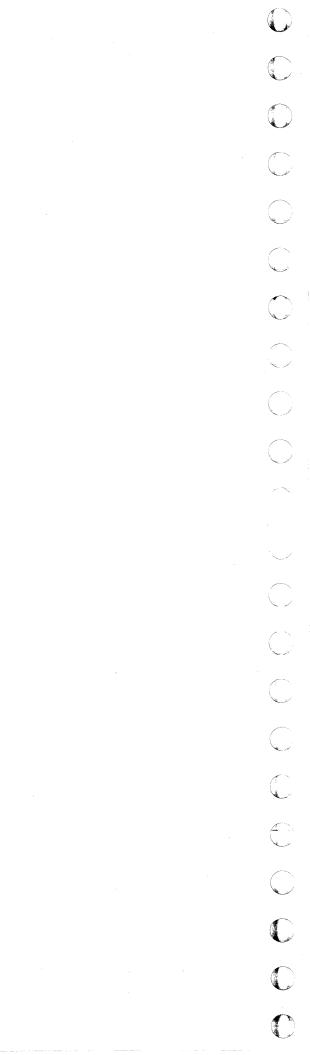




Cable Assy Front			15920		SHEET 3			DOCUMENT NO. REV			
CONDUCTOR	FIND NO.	GAUGE (REF.)	I	LENGTH (APPROX)	(DRIGIN	ACCESS FIND NO	DESTINAT	10N	ACC	CESS DINO. REMARKS
ı	24	24	96	15.5	AOBA	07	2	KZ3	3	ь	Even/No#Odd Parity
2	75	24	٩	23.5	ABBA	D&	2	L	4	Ь	co
3	75	24	٦	13.5	A DB A	09	2	G P1	2	5	Transmit
4	15	24	9	13.5	ABBA	70	2	6 P1	3	5	Receive
5	27	24	98	23.5	A D B A	11	2	L	5	Ь	CTZ
Ь	75	24	9	13.5	ADBA	15	2	G P1	ı	5	RTS
7	15	24	9	13.5	A D B A	13	5	G P L	4	5	DTR
8	11	56	0	15.5	AOAA	14	2	KZ3	4	Ь	Enable Parity
9	11	5P	0	3	KZ3	4		KZ3	ь	Ь	Enable Parity
10	13	24	ı	23.5	ABBA	15	2	L	ı	ь	Char Mode LED
11	14	24	3	23.5	A D&A	7.6	2	L	2	ь	Line Mode LED
75	1.5	24	4	23.5	A D B A	17	2	L	3	Ь	Block Mode LED
73	16	24	5	23.5	ADBA	18	5	L	Ь	Ь	Format Mode LED
1.4	17	24	Ь	23.5	ABBA	19	5	L	B	ь	Kybd Locked LED
15	18	24	7	23.5	ABBA	50	2	L	7	Ь	Alert LED
16	57	24	93	18.5	ADBA	57	5	K25	3	Ь	-High/300/Low Baud Sw
17	50	24	91	<u> </u> Ա4	ADBA	22	2	KZ5	3	Ь	Block/Line/Char Mode
18	19	24	90	14	A D&A	23	2	, K25	7	Ь	Block/Line/Char Mode
19	23	24	95	51.0	ADBA	24	5	r25	1	Ь	Format Switch
50	10	24	2	23.5	ABBA	25	2	L	9	Ь	+5V

CONTROL DA	ITA						10ENT 10ENT	SHEET	4		WL		CUMENT NO. 61370700	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)	1	LENGTH (APPROX)	C	ORIGIN		ACCESS FIND NO	DESTINAT	ION	1	CESS D NO.	REMARKS	
57	22	24	94	57.0	A D&A		56	2	EZJ	ı	E		On Line Switch	
22	25	24	97	17.0	ABDA		27	2	KZ4	ľ	F	9	Full/Half Duplex	Z w
53	ıı	56	0	14.5	ABBA		28	2	K25	2	F	3	G ND	
24	11	56	0	9.5	KZ5		2		r2J	2	F	,	GND	
25	11	SP	0	8.0	rz ī				r25	2	٤	,	GND	
5.P	11	56	0	8.0	rz5		2		EZJ	2	F	,	GND	
27	11	5P	0	10.5	LZ3		2		KZ3	2	F	1	G N D	
28	11	56	0	3.0	KZ3		2		KZ3	5	F	1	GND	
29	11	5P	0	5.5	KZ3		5		KS4	2	ь	1	GND	
30	11	5P	0	5.5	KZ4		5		K S 5	2	Ь		GND	
31	15	24	9	22.5	A D B A		29	2	Alarm	{-}	7	•	Signal	
32	10	24	2	13.5	AOA		30	2	G P L	5	3		+5V	
33	10	24	5	15.0	G P1		5		Alarm	{+}	7	٠.	+ 5V	
34	28	24	900	18.5	ADBA		35	2	K S 5	ı	Ь		High/300/-Low Fre	wZ ps
35	29	24	970	57.0	ABBA		34	2	LS1	3	Ь		64/96 Char Sw	
														.,
											1_			

7-137/7-138

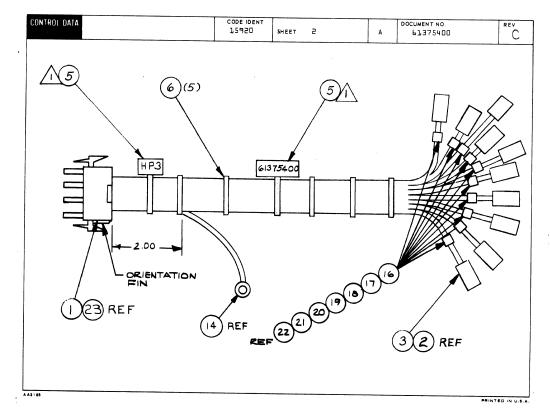


						ACCE	MBLY	DA	DTC		CT	PRINT DA		PAGE	FILE CHANGE	NO.
		BUILD AR	C 104		4	433E	MDL I	PA	KID	L	3 1	12-29-	75	1	0001	1223
DIV.	AS	SEMBLY NUMBER	D REV.	DWG.			DESCRIPTION			MC	STATUS	STATUS DATE	6)	G. RESP.	FILE C	DATE
860			9 D	_ A]	CAB	LE ASSY	(FRONT)			A	REL	05-07-7	5 L1	AT	12-2	9-75
FIND NO	LI	PART HUMBER	CD M	PUANTITY	U/M		PART DE	SCRIPTION			MC YLD	ECO. NO. IN	ECO. NO. 0	UT S/	N WK IN	WK OU
001		51863012				COM	SG (DBL F		CAUTT							752
001		51863025		1			SGIDBL F				2	10880	108	ou	7529	
-	٧2	-100305	٦	1	1.4	CO.114 11.	-0(000	· · · · · · · · · · · · · · · · · · ·	0.01	•		10000			132	1
002	01	94245602	1	24	PC	CONTAC	T SOC 24	-26AWG	STRIP	•	P		1092	25A		754
002	92	94245602	1	26	PC	CONTAC	T 50C 24	-26AVG	STRIP	•	P	109254			7541	
		0														
003	01	93943017	•	1	PC	CONTAC	T SKT 22	-18 W	WG 51	KIP	7					
004	01	93947006	8	1	PC	CONN 6	SKT HOL	ISTNA			p					
- 1				7	1 9											
005	01	93943015	3	4	PC	CONTAC	T SKT 3r	-22 A	WG ST	RIP	P					
		5.45.74	_								الاا					
006	01	51654700 51654700		20 25			T RECPT				P	10880	108		7529	752
006		51654700		28			RECPT					10925A	1072	.54	7541	
***	• •	21034.00		-9	١٠٩	0011740	, ALC: I		4-E., E			107257			, 341	1
007	01	93747011	0	2	PC	CONTAC	, RECP	24-226	A STRI	P	P	}		- 1	l l	
		0.000			_											
008	01	94277409		9			CABLE TI				P	10880	108	80	7529	75
000	02	74211747	-	11		SIRAP		E ITPE	•		. T	10000			7529	1
009	01	94277400	1	11	PC	STRAP (CABLE TI	E TYPE	1		P					:
	- 1													- 1		
010		24548303					SA STRD						1092	25A		754
010	02	24548303	1	4 33	3 FT	WIR 240	SA STRD	KED 30	OA IIL	PVC	"	109254			7541	1
011	0.1	18563100	9	2 50		W105 F	LECT 264	WG BLA	CK COD)F A			108	180		75
011		18563100		4			ECT 264					10880	1092		7529	
011		18563100	9	7 10	0 FT	WIRE E	ECT 264	WG BLA	CK COD	E n	w	109254			7541	L
					1_1											
012		24548310		8			GA STRD					1.025	1092	254	7541	75
012	02	24548310	-	9 20	UPT	MIM ST	BA STRD	₩N1 30	OA HE	PAC	٦	10925A			(34)	4
013	01	24548302	9	2 20	O FT	WIR 240	SA STRD	BRN 30	OV IIL	PVC	w		1098	25A		75
013		24548302		2			SA STRD					10925A	• • • •		7541	1
014	01	24548304		5 50			SA STRD						1092	254		75
014	02	24548304	9	z	FT	WIR 240	BA STRD	URN 30	OA HE	PAC	"	10925A			7541	4
015	0.1	24548305	2	2 20	O FT	WIR 24	SA STRO	YEL 30	ov ut	PVA	ااا		1092	254		75
4.3		-4340903	1	"	۱ ' ا	24	J. 3140				17		1076	7		1

		0					A 60	SEM	IBL'	/ D	AD	TC	11	IST	12-29-		AGE 2	FILE CHANGE	
		BUILD AR		04			73.			. r	7	13	b 1	.					
DIV.	A!	SSEMBLY NUMBER	D RE	V. 1	DWG.			DE	SCRIPTION				MC	STATUS	STATUS DATE	ENG	S. RESP.	FILE C	DATE
860		61370700	9	ם	A	CAB	LE AS	55Y (FRONT)		1	A	REL	05-07-7	5 LI	AT	12-2	9-75
IND NO	u	PART NUMBER	CD M	QUA	NTITY	U/M			PART D	ESCRIPTION	ON			MC YLD	ECO. NO. IN	ECO. NO. OU	T S/N	WK IN	WK O
015	05	24548305	2	;	2	FT	WIR	24GA	STRD	YEL	300V	HL	PVC	w	10925A			7541	
016	01	24548306	0	;	2	FT	WIR	24GA	STRD	GRN	300V	ΗL	PVC	#					
017	01	24548307	1	:	2	FT	WIR	24GA	STRD	BLU	300V	UL	PVC	H					
	01	24548308	:	;	2		-		STRD	-									
	01	24548311 24548311							STRD						109254	1092	5A	7541	75
020	01	24548312 24548312			1 500 1 300				STRD						10925A	1092	5A	7541	75
021	01	24548314			1 500	FT	WIR	24GA	STRD	WHT	/ORN	3001	- ا ال	u		108			75
021		24548314 24548314							STRD						10880 10 925 A	1092	5A	7529 7541	
022 022		24548315 24548315			800				STRD						10880	108 1092		7529	75
055		24548315			750				STRD						10925A	10,2	7	7541	
023 023	05	24548316 24548316		:					STPD STRD						10925A	1092	5A	7541	75
024	01	24548317 24548317							STRD						10880	108 1092		7529	75 75
024		24548317							STRD						10925A	10,2		7541	
025 025		24548318 24548318							STRD STRD						10925A	1092	SA	7541	75
027 027		24548319 24548319			200				STRD						10880 10925A	1092	5A	7529 7541	
028	01	24548320	1			FT	WIR	240A	STRD	WHT	/BLK/	BLK	300	w	10880	1092	5A	7529	
028	02	24548320			1	FT			STRD						10925A 10880	1092	54	7541	1
029	02	24548321							STRD						10925A	1045	7	7541	

			_				ACCE	MBLY	DADT	C I	ICT	•	PRINT DA		PAGE		LE CHANGE	
		BUILD AR	C	104			MJJE	MDLI	PARI	JL	131		15-58-	75		3	0001	1553
DIV.	^	SSEMBLY NUMBER	CD	REV.	DWG.			DESCRIPTION		MC	STATU	is	STATUS DATE		ENG. I	ESP.	FILE D	ATE
860		61370700	9	n l	A .	CAR	LE ASSY	(FRONT)		A	REL	Ll	05-07-7	5	LEAT		12-2	9-75
IND NO	LI .	PART NUMBER	CD	M QU	ANTITY	U/M		PART DESCR	IPTION		MC YI		ECO. NO. IN		NO. OUT	S/N	WK IN	WK O
Ī			1			1												
030	01	18563108	2		2	FT	WIRE E	TEC SEWAR	GRAY CO)E 8			10880		10925A		7529	754
			1					OTAL LINE										
						1	0054 1	OIAL LINE	•			- 1						
			į		İ													
	1		i			i						1						
			1															
						1												
			H			1												
			i			Į.					1 1							
	ļ		į l								1 1							
			i			ł												
	İ		į			1					1						i i	
	ł		i			1												
l	1		1		1							1					i i	
- }	1		!															
1			!									i						
- 1					i						11.	-						
	l		1														1 :	
			1															
1			1															
			1															
- [- 1		1		1							1						
1			į '			1						1				1	1 :	
			1															
- 1			Ι.															
į			-														1	
			1			1								١.				
- 1			١.															
1												ı						
			1															
			1			1												
			1			1											1	
			į															
			1			1												
I	ı		1															

DWN CHKD ENG MFG	0.	nte	berg	10/2	34	CONT	ROL D	ATA	FIRST	CABL	E AS	Z Y	D . C	. Р	OWER			A IHA		1375			R	EV
APPR	<i>7/</i> 3	مد		4-1)	¥		920 920	NT	- 1831		C	:14	1/	C	C 6	ВІ		5611	400	SH	EET]	of :	3	
				SHE	ETR	EVIS	ION S	TAT	US									REVIS	ION F	ECOF	D			
												3	2	ı	REV	ECO		DESC				DRFT	DATE	A
																	RELEA	ZED	CLA	22 *	c "		10-14-74	Z)
												01		01	01	C105	COND			EST	•	27	1-6-75	
				T								02	02	٥s	ΟZ	C0110	MOVE			NIB	E	1-9-76	1-14-79	1
	П											03	03	03	03	C213	ADDED	FNS	AILS	THRU	22 DNN	R	3-27-15	S.
		\top		1								A	A	A	A	10653-1	RELE	ASE	ED	CLA	55 A		4/24/75	7.
		T										В	A	Ø	B	CD 10800	REVIS	ED :	SHT	3 F	ERECO	YZY75	\mathfrak{D}	90
	П	1				Γ				1		С	С	O	С	CD10895	REVI	SER) P	ER	ECO	1/4/5	8	N
		T	T						T			c	c	c	c	9401-14						-		7.0
		-	MAL.	ħ																				
1				1						1	1													
-	jest	10		#					\top		1													
1		6716A	A 10	•					1	T	T	\vdash												
•••	7 4	8y 91	100	#					1		1	<u> </u>												
4570		-		₩,					1	+	†													
NOTES:	App	ly :	Labe:	l to	са	ble	per	- dr	awir	ng B	2191	061	, M	eth:	od b		1					L	1	1
	Mar	k as	s sho	wn.																	A F	L F	137540	00
																						DETAC	HED LIST	۲S
A3180 RE	V. 8/71																				<u> </u>	DETAC	HED LIST	



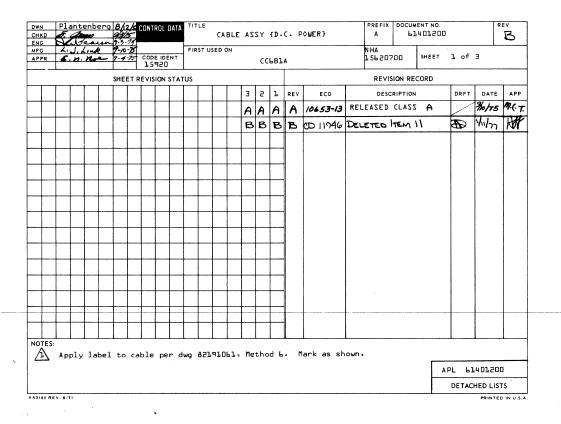
C

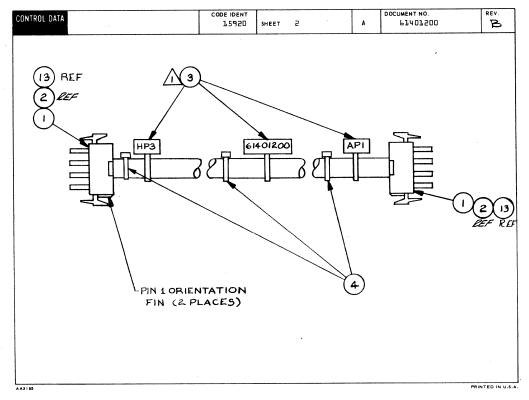
C

JNTR : J	7.7					1592		SHEET 3		WL	DOCUMENT NO. 61375400	REV.
CONDUCTOR IDENT.	FIND NO:	GAUGE (REF.)		LENGTH (APPROX)	ORIGII	z	ACCESS	•)N	ACCESS FIND NO	REMARKS	
 - 1	7	16	5	30.0	нРЗ	3	53	ACDA	67	50351	+20V	
5	8	16	Ь	A	нРЭ	8	23	ACLA	75	21,19	-50A	
3	9	14	٥		нРЗ	70	¥	ACDA	71	5177		
4	8	1,6	ь		HP3	5	23	ACDA	59	14555		
5	10	18	4		нРЗ	ı	23	ACLA	6 5	50519	Over Voltage Sig	nal
Ь	33	18	p		нР3	15	53	ACDA	73	51,1		
7	11	16	Ø	*	НРЗ	4	23	ADDA	51	19,16	ACH >- TWP	•
ð	75	30	8	30.0	НРЗ	7	23	ADDA	49	18555	ACN.	
٩	13	16	0	4.0	HP3	11	53	CE3	<u> </u>	1.4	Safety Ground	
10	15	18	3	30.P	нРЭ	6	23	ADJA	61	70-16 75	1 +75A	
11	10	18	4	.30.0	НРЗ	٩	53	ACLA	63	20 13.7	-75A	
			<u> </u>									
			<u> </u>							<u> </u>		
		<u> </u>	<u> </u>				<u> </u>		1	<u> </u>		
		<u> </u>							<u> </u>			
<u></u>		<u> </u>		<u> </u>	<u> </u>			<u> </u>	↓	<u> </u>		
<u></u>		<u> </u>		<u> </u>					1_			
L	<u> </u>	<u> </u>	<u> </u>	<u> </u>			<u> </u>			<u> </u>	L	

						ASSEMBLY PARTS		ET	PRINT DA			E CHANGE	
	_	BUILD ARC	104				_		09-20-7		1 9%/-/		<u>.</u>
DIV.	1-	SSEMBLY NUMBER CD	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. R	ESP.	FILE C	
1860 IND NO	<u>.</u>	61275400 1	 	MANTITY	CAB U/M	LE ASSY (D.C. POWER)	A	REL NA	04-24#75	ECO. NO. OUT	S/N	07-2	Ø-75 WK OU
001		51906005		1		CONN PLUG 12 PIN		P	110, 110, 111	110: 110: 001			
002	01	17973615	2	10	PC	TERM CRMP TYPE INSUL 18-1	4	P					
003	01	62020702	1	10	PC	HOUSING RECEPT STRAIGHT S	TYĻĒ	P					
004	02 01	51906201 51906201		11		SOCKET CONTACTS SOCKET CONTACTS		P	10895	10895		7545	754
005	01	94277409	•	2	PC	STRAP ÇABLE TIE TYPE 6		P					
006		94277400		5		STRAP CABLE TIE TYPE I		P					
007		93464222	1	2 50		WIR 16GA STRD RED 300V UL							
008		93464666		1		WIR 16GA STRD BLK 600V UL							
010		93463444		5		WIR 18GA STRD YEL 300V UL	-						
011	01	93463000	1	5	FT	WIR 18GA STRD BLK 300V UL	PAČ	w					
012	01	93463888	•	2 50	FT	WIR 18GA STRD GRY 300V UL	PVC	w					
013		93464000	1	2 500		WIR 16GA STRD BLK 300V UL		111					
014		51797236 92463333		2 50		TERM LUG RING CRMP \$6-14 WIR 18GA STRD ORN 300V UL	ÞAC Í Ó						
016		51809101				TAPE-WIRE MARKING CHAR 1		В					
017	01	51809103		150	FŤ	TAPE-WIRE MARKING CHAR 3		В					
018	01	51809104	6	100	FŤ	TAPE-WIRE MARKING CHAR 4		В					
019		51809105	l			TAPE-WIRE MARKING CHAR 5		В					
020	01	53809106		25	FŤ	TAPE-WIRE MARKING CHAR 6		В					

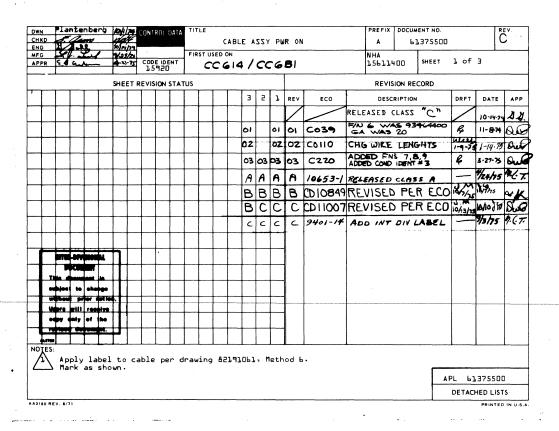
0860 61375400 1 C A CARLE ASSY (D.C. POWER) A REL 04-24-75 LIA TPINDNO LI PART HUMBER CO M QUANTITY U/M PART DESCRIPTION MC YLD ECO. NO. IN ECO. NO. OUT 021 01 51809107 9 250 FT TAPE-WIRE MARKING CHAR 7 B	RESP.	/40001009
0860 61275400 1 C A CABLE ASSY (D.C. POWER) A REL 04-24-75 LIA FIND NO LI PART NUMBER CD NI QUANTITY U/M PART DESCRIPTION NK VLD ECO. NO. IN ECO. NO. OUT 021 01 51809107 9 250 FT TAPE-WIRE MARKING CHAR 7 B	T	
O21 01 51809107 9 250 FT TAPE-WIRE MARKING CHAR 7 B		
021 01 51809107 9 250 FT TAPE-WIRE MARKING CHAP 7 B	T 5/W	09-39-7
		WK IN WK C
A39 A1 E18401A0 E		
022 01 53809109 5 100 FT TAPE-WIRE MARKING CHAR 9 B		
023 01 51906200 0 10 PC SOCKET CONTACTS P 10895	1	7545
0024 TOTAL LINES		

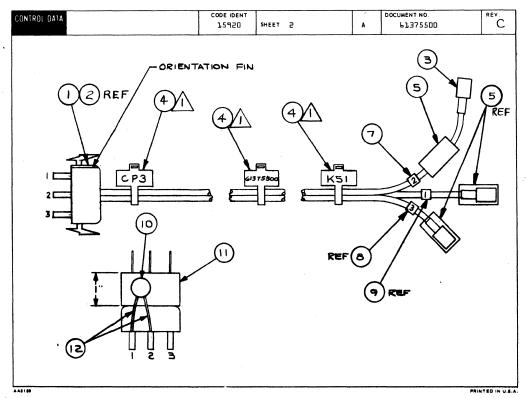




FIND NO.	GAUGE (REF.)	COLOR	LENGTH									B
5		(REF.)	(APPROX)	c	RIGIN		ACCESS FIND NO.	DESTINA	TION	ACCESS FIND NO	REMARKS	
	16	2	30.0	нР3		3	13	APL	8	13	+207	
Ь	16	Ь	30.0	нР3		В	1.3	APL	15	7.3	-20V	
7	14	0	30.0	нрз		10	5	APL	10	2	Ground	
Ь	16	Ь	30.0	нрз		2	13	APL	3	73	-9V	
8	18	4	30.0	нрз		l.	13	AP1	9	13	Over Voltage Signal	:} ⊺⊌≀
9	18	0	30.0	НРЗ		75	13	APL	11	13	Ground)
٩	18	0	30.0	нрз		4	13	APL	2	13	ACH Z T	WP.
10	18	8	30.0	нрз		7	13	APL	1	13	ACN S	
15	18	3	30.0	нРЭ		Ь	13	APL	Ь	13	+754	
8	18	4	30-0	НРЭ		٩	13	APL	5	1.3	-15/	
				- Amount and								
												VII.
1	8 9 9	b 16 8 18 9 18 9 18 0 18	8 18 4 9 18 0 9 18 0 ,0 18 8	8 18 4 30.0 9 18 0 30.0 9 18 0 30.0 18 8 30.0	A 18 4 30.0 HP3 A 18 0 30.0 HP3 A 18 0 30.0 HP3 A 18 0 30.0 HP3 A 18 0 30.0 HP3 A 18 8 30.0 HP3 A 18 8 30.0 HP3	A 18 4 30.0 HP3 9 18 0 30.0 HP3 9 18 0 30.0 HP3 9 18 0 30.0 HP3 0 18 8 30.0 HP3 .0 18 8 30.0 HP3	A 18 4 30.0 HP3 2 A 18 0 30.0 HP3 12 A 18 0 30.0 HP3 12 A 18 0 30.0 HP3 12 A 18 0 30.0 HP3 7 A 18 8 30.0 HP3 7	6 16 6 30.0 HP3 2 13 8 18 4 30.0 HP3 1 13 9 18 0 30.0 HP3 12 13 9 18 0 30.0 HP3 4 13 10 18 8 30.0 HP3 7 13 12 18 3 30.0 HP3 6 13	B 16	b lb b 30.0 HP3 c l3 APL 3 8 lb 4 30.0 HP3 l l3 APL 9 9 lb 0 30.0 HP3 lc l3 APL ll 9 lb 0 30.0 HP3 lc l3 APL lc 10 lb 8 30.0 HP3 7 l3 APL l 12 lb lb lb lb lb APL lb	b lb b 30.0 HP3 c l3 APl 3 l3 8 lb 4 30.0 HP3 l l3 APl 9 l3 9 lb 0 30.0 HP3 l2 l3 APl ll l3 9 lb 0 30.0 HP3 4 l3 APl 2 l3 10 lb 8 30.0 HP3 7 l3 APl l l3 12 lb 3 30.0 HP3 b l3 APl b l3	L LL L 30.0 HP3 2 13 AP1 3 13 -9V 8 18 4 30.0 HP3 1 13 AP1 9 13 Signal 9 18 0 30.0 HP3 12 13 AP1 11 13 Ground 9 18 0 30.0 HP3 4 13 AP1 2 13 ACN 10 18 8 30.0 HP3 7 13 AP1 1 13 ACN 10 18 8 30.0 HP3 7 13 AP1 1 13 ACN

	BUILD ARC	104			ASSEMBLY PARTS		IST	PRINT DAT		FH	E CHANGE	
								12-27-7		L,	ñŏòĭi	
DIV.	ASSEMBLY NUMBER CD	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RE	SP.	FILE I	DATE
860	61401200 3		A		E ASSY D.C. POWER	A	REL	09-10-75	CC6B1	A	12-55	2-16
FIND NO LI	PART NUMBER CI) M (PUANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK O
001 01	51906005 7		2	PC	CONN PLUG 12 PIN		ρ					
005 05 005 05			3		CONTACT, SKT 20-146A STRIP		P	11946	<u>j</u> j946		/701	710
663 01	94277409 2		3	PC	STRAP CABLE TIE TYPE 6		8					
004 01	1 24277400 1		5	PC	STRAP CABLE TIE TYPE 1		8					
005 01		1		1	WIR 16GA STRD RED 300V UL							
000 01		1	5		WIR 16GA STRO BLU 300V UL							
007 01			2 500	FT	WIR 14GA STRD BLK 600V UL WIR 14GA STRD BLK 600V UL	PVC	M	11946	Ĭ Ĭ 346		7701	7/0
0 0 B 0 1	93463444 5		5	FT	WIR 18GA STRD YEL 300V UL	PVÇ	w					
000 01	-		5	1	WIR 186A STRD BLK 300V UL							
013 01 010 01					WIR 18GA STRD GRY 300V UL		1		-			
013 01 6j5 01			2 500		WIR 1864 STRD ORN 300V UL Contact. Skt 20-1464 Strip	-	P					
		'			0014 TOTAL LINES	,						
1												





CONTROL DA	ATA					2592		SHEET 3		WL	DOCUMENT NO. 61375500	REV.
CONDUCTOR	FIND NO	GAUGE (REF)		LENGTH (APPROX)	ORIC	in.	ACCES!		ATION	ACCESS FIND NO	REMARKS	
ı.	Ь	50	4	13.0	CP3	l	3.10	, KZJ	3	8,3,5		
2	Ь	20	4	13.0	CP3	2	15, 5-10	, KZJ	5	7,3,5		
3	Ь	50	4	13.0	CP3	3	2	KZJ	ľ	9,3,5		
	-					_	 	<u> </u>	+	 		
						1				<u> </u>		
							-	<u> </u>	-	 		
		-	-				-	-				
			ļ					1	_	ļ		
						+	+	-	+-	 		
		ļ	 	ļ	ļ		} —	_		 		
			-	1	 	+	\vdash	 	+-	\vdash		
					l —		1	1		t^-		

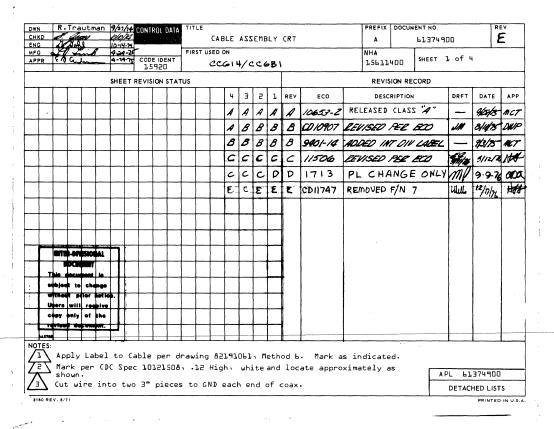
		Bus. 5 455				ASSEMBLY PARTS		IST	PRINT DAT			E CHANGE	
		BUILD ARC	104				, F	131	09-45-75	1	34000	00011	007
DIV.	+	SSEMBLY NUMBER CD	REV.	DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RE	SP.	FILE (
860	Ь,	61375500 8	L C			E ASSY (POWER ON)	A	REL	04-24-75	LEAT		09-0	
FIND NO	Li	PARY NUMBER C	D M	QUANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK O
001		51906001 6		1	PC	CONN PLUG 3 PIN		P					
002		53905800 2	1	3		CONTACT PIN 20-14 STREP		P					
003	-	53654700 7		3	j	CONTACT RECPT ELEC 24-20 A	WG	Р					
004	01 02	94277409 2 94277409 2		3		STRAP CABLE TIE TYPE 6		P	11007	11007		7541	754
005 005		24534706 7 24528611 7				INS SLEEVE 1/R BLACK TUBING INS SZ 12 BLACK		8	11007	11007		7541	754
006	01	93462444		6	FT	WIR 20GA STRD YEL 300V UL	PVC	w					
007	01	53809102	•	1	FT	TAPE-WIRE MARKING CHAR 2		8					
008	01	51809103		1	FT	TAPE-WIRE MARKING CHAR 3		8					
009	-	53809101 2	1	1		TAPE-WIRE MARKING CHAR 1		8					
010		94842184 7		1	1	CAP FXD ČER 0.02UF 1KV		P	10849			7529	
011		53758105	-	1		INS SLV+CLR+PVC+HEAT SHRIN	IK.	8	10849			7529	
012 012		51797416 24563702				TUBING-INS THIN WALL INS SLVNG HI TEMP 20 AWG		8	10849 11007	11007		7529 7541	754
						0015 TOTAL LINES							

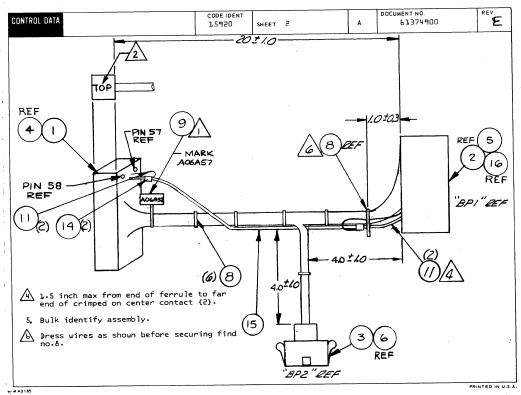
C

C

0

0

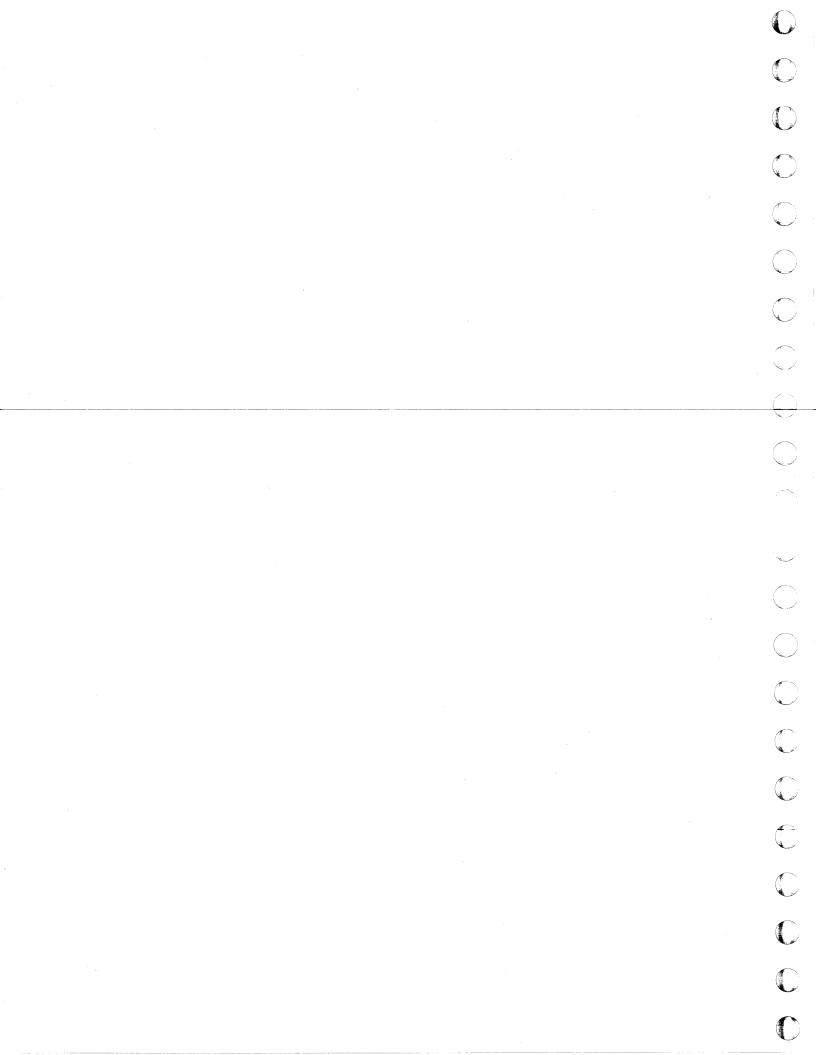




CONTROL D	ATA					292		HEET 3		WL	DOCUMENT NO. REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)		LENGTH (APPRQX)	ORIG	ın	ACCESS FIND NO	DESTINA	TION	ACCESS FIND NO.	REMARKS
ı					AOLA	57	4				0pen
2					AOLA	58	4				0pen
3					ADLA	59	4				0pen
4					ADLA	60	4				0pen
5	10	24	2	50.0	ADLA	61	4	BP1	4	16	+5V
Ь	11	24	0	ėa.n	ADLA	P5	4	BPl	3	16	Ground
7	15	24	_	20.0	AOLA	63	4 - 1 1 - . 14	BP1	15	16-11 14	VIDEO ?
8	LI	24	0	6.0	AOLA	64	4	BPl	73	16	Ground SHIELD A
9	13	24	٩	20.0	A D b A	65	4	BP1	Ь	ŢР	H - Sync
10	11	24	0	20.0	AOLA	66	4	BPl₄	5	16	Ground _ } TW-PR
11	13	24	9	20.0	AOLA	67	4	BPL	3.0	l _b	V - Sync)
75	11	24	0	20.0	AOLA	68	4	BPl	٩	16	Ground
13				20.0	ADLA	69	4				0pen
1.4				20.0	ADLA	70	4				0pen
1,5	10	24	2	50.0	ADLA	71	4	BP2	ı	Ь	+20V ر Crimp
16	10	24	2	20.0	AOLA	72	4	BP2	ŗ	Ь	+20V Together BP2-1
17					ADLA	73	4				0pen
18					ADEA	74	4				0pen
19					ADLA	75	4				0pen
50					ADLA	76	4			i	≬pen

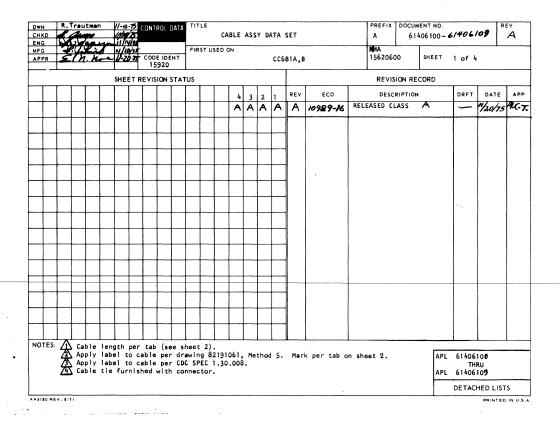
CONTROL D	ATA					CODE IDE		SHEET 4		WL	DOCUMENT NO. 61374900)	REV.
CONDUCTOR IDENT	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	ORIG	IN	ACCESS		MION	ACCESS FIND NO	REA	ARKS	
57	ll	24	0	20.0	A D L A	77	4	BP2	2	Ь	Ground Z	Crimp	
22	11	24	0	20.0	ADLA	78	4	8P2	a	Ь	Ground	Togethe	er BPa
23					ADLA	79	4				0pen		
24					AOLA	80	4	1		<u> </u>	0pen		
		ļ								<u> </u>			
	-		ļ					ļ					
						_		↓		<u> </u>			
				٠,				_		ļ	ļ		
						_	 	<u> </u>		!			
								-			<u> </u>		
	-						 	 		-			
	-	 				+	<u> </u>	-		 			
	<u> </u>	 				_		 		-			
	-	 					 	†	_	 			
		<u> </u>	 	†			 	1		 			
							1	<u> </u>					
							1	1	\top	t —	<u> </u>		
						1				1			
Will be a second to be a second									1	1			

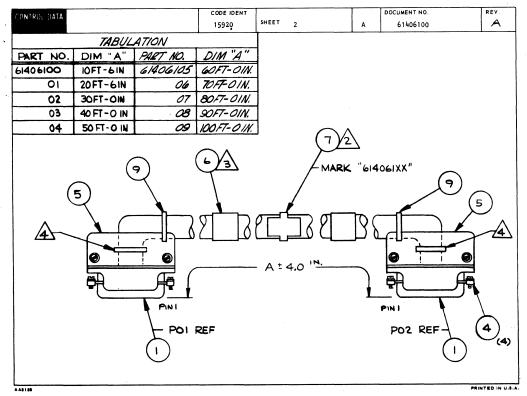
7-149/7-150



		HUILD ARC		104			ASSEMBLY PARTS	L	ST	11-23-7		E FI	UOO11	
DIV.		ASSEMBLY NUMBER ! CD		REV. DW	wa		DESCRIPTION	440	STATUS	STATUS DATE	ENG.		FILE O	
860	+-	61374900 1	+	F A		API	E ASSY (CRT)	- A	REL	04-28-75		ALST.	11-26	
FIND NO	ii i		Ġ	M QUANT		U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	
001	01	51863012	4	1		PC	CONN HSG. 24 CAV DBL HOW B	LK	ρ					
002	01	51652904	7	1		PC	CONN, PC EDGE 14 POS 2.340	W	Р					
003	01	51905900	Ü	1		PC	CONN RECPT 2 CONTACTS		P					
004	01	94245602	1	24		PC	CONTACT SOC 24-26AWG STRIP	•	Р					
005 005		94219903 94219903		A 1			CONTACT.FLAG 22-18AWG STRI		P	10907	10907		7548	754
006	01	51905800	2	s		PC	CONT, PIN 20-14GA .1381NS	STR	P					
007	01	51797217	6	1		PC	LUG. CRMP R TERM +22-18GA	105	В					
800 800		94277400 94277400		3 6			STRAP CABLE TIE TYPE 1 STRAP CARLE TIE TYPE 1		B B	11506	11506		7628	76
009 009		94277409 94277409		4			STRAD CABLE TIE TYPE 6 STRAP CABLE TIE TYPE 6		8	11506	11506		7628	76
010	01	24548303	7	5		FT	WIR 24GA STRD RED 300V UL	PVC	w					
011 011		24548301 24548301		9	300	FT FT	WIR 24GA STRD 9LK 300V UL WIR 24GA STRD 8LK 300V UL			11506	11506		7628	76
12	01	93463555	В		500	FT	WIR 18GA STRD GRN 300V UL	PVC	w					
13	01	24548310	2	3	50 0	FT	#IR 24GA STRD WHT 300V UL	PVC	W					
14		62022602 93083059		5 5			FERRULE PRE-INSUL BROWN SPLICES ELECT 1 IN		8	11506	11506		7628	76
)15)15		17649400 51003293					CABLE RADIO FREQ COAX STR		w	11713	11713		7638	76
116	01	94219902	7	я		PC	CONTACT.FLAG 26-22AWG STRI	P	ρ	10907			7548	

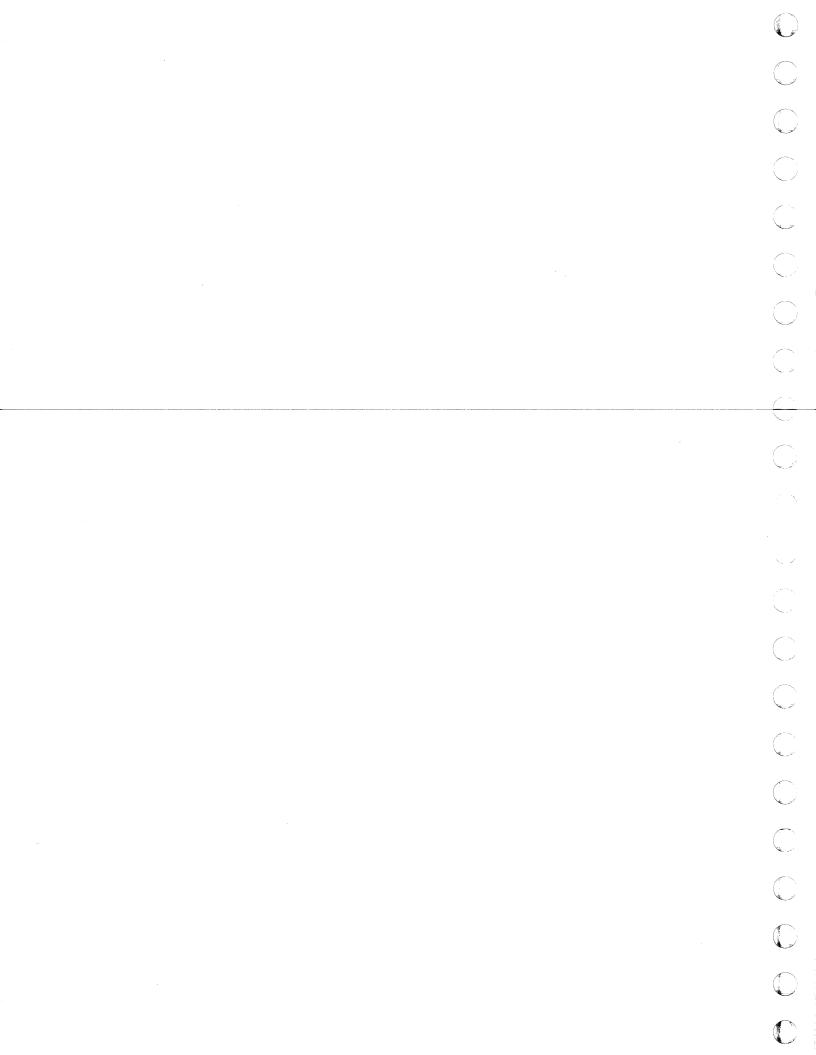
							A C C =			D 4 D=4			_	PRINT I	DATE	PAG	E FI	LE CHANGE	NO.
	HUILD	ARC	1	04			A33E	M	BLT	PARTS	L	15	T	11-23-			2	U001	
IV.	ASSEMBLY NUMBER	CD	RE	v.	DWG.			DESCRI	PTION		MC	STA	TUS	STATUS DATE		ENG.	RESP.	FILE	DATE
60	61374930			Ε	A	CAR	LE ASSY	(CR	T)		4	RE	L	04-28-7	5	LIAT		11-2	6-76
DNO LI	PART NUMBER	c	D M	QU	ANTITY	U/M						MC	YLD	ECO. NO. IN		NO. OUT	S/N	WK IN	
ONO U			D AA						PART DESCRI			MC	YID						





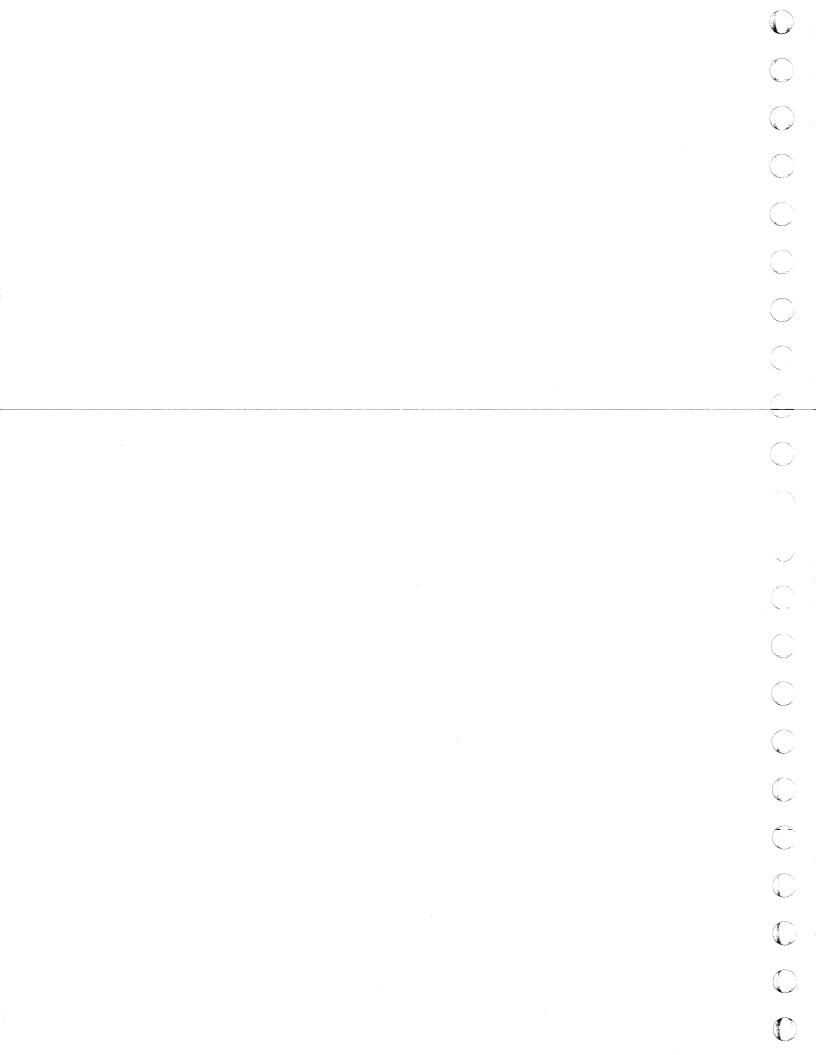
CONTROL DA	TA					15920	SHEET	3		WL	0000MENT NO. 6140 6 100	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)	COLOR (REF.)	1		ORIGIN	ACCESS FIND NO.	DESTINA	ATION	ACCE FIND N	REMARKS	
1	2	22	BARE	Δ	P01	01	3,8	P02	01	3,8	BARE DRAIN WIRE	
2	1	24	0	4	1	02	33	A	02	3		
3		24	9			03	3		03	3		
4		24	2			04	3		04	3		
5		24	5			05	3		05	3		
6		26	90			06	3		06	3		
7		26	91			07	3		07	3		
8		26	92			08	3		08	3		
9		26	93			09	3		09	3		
10		26	94			10	3		10	3		
11		26	95			11	3		11	3		
12		26	96			12	3		12	3		
13		26	97			13	3		13	3		
14		26	98			14	3		14	3		
15		26	900			15	3		15	3		
16		26	901			16	3		16	3		
17		26	902			17	3		17	3		
18		26	903			18	3		18	3		
19	1	26	964	1	1	19	3	†	19	3		
20	2	26	905		P01	20	3	P02	20	3		RINTED IN

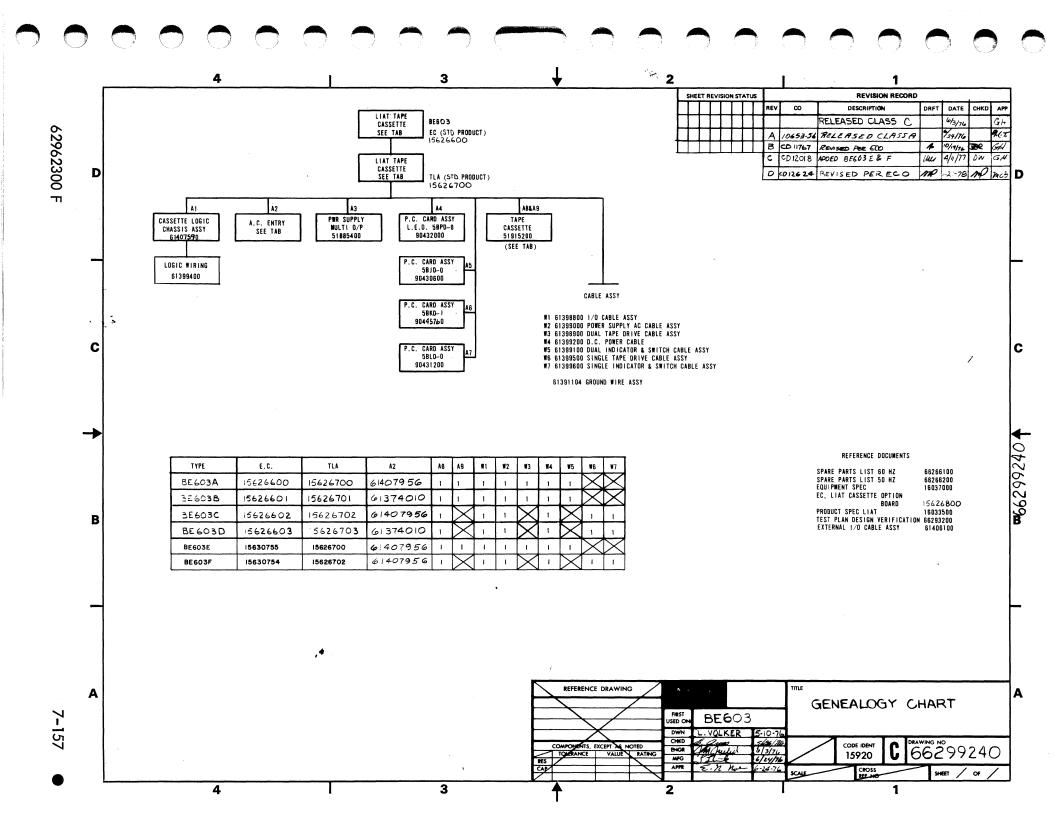
CONTROL DA	ITA						920	SHEET	4		WL		UMENT NO. 51406100	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	C	RIGIN		ACCESS FIND NO.	DESTINA	TION	ACC FIND	- 1	REMARKS	
21	2	26	906	Δ	P01		21	3	P02	21	3			
22	1	26	907	À	Å		22	3	A .	22	3			
23		26	908				23	3		23	3			
24		26	910	•			24	3	Ť	24	3			
25	2	26	911	\triangle	P01		25	3	P02	25	3			
							ļ				-	_		
											<u> </u>			
											—			
							-			-	-			
		ļ								_		_		
											+			
		ļ												
											+	-		
				-			 				-			
							<u> </u>							
3163 REV. 8/7														INTED IN

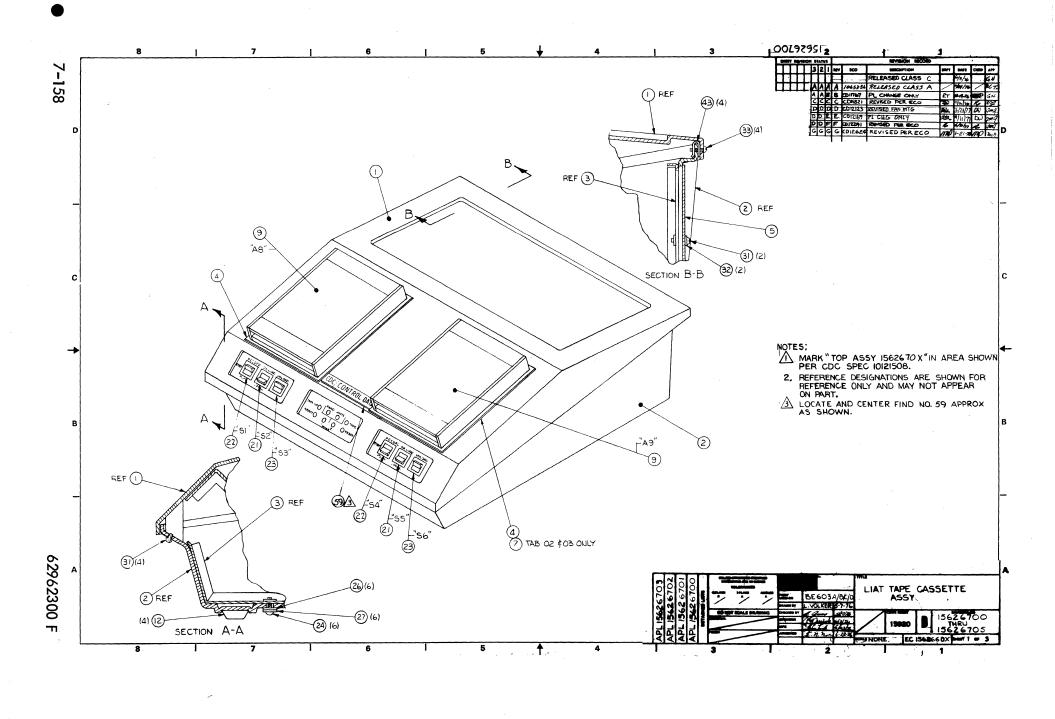


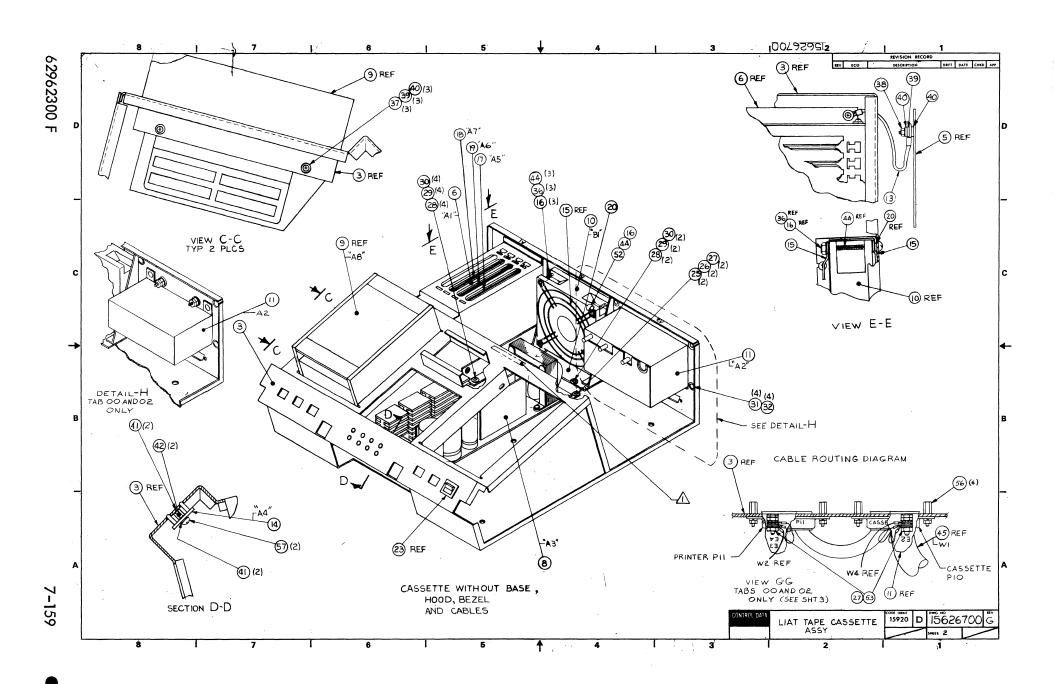
		But a					ASSEMBLY PARTS	8 1	181	•	PRINT DA		PAGE	FILE CHANGE	
		BUILD A									11-21-7	•	1	1096	
DIV.	+^	SSEMBLY NUMBER	11	REV.	DWG.		DESCRIPTION	MC	STAT		STATUS DATE	+-	ENG. RESP.		DATE
860 FIND NO	1	PART NUMBER	9	A	UANTITY	CAB U/M	LE ASSY DATA SET 10FT 6IN	_ A	REL		11-20-75 ECO. NO. IN	ECO. NO.	C6BlA/B		
-			+	1	T		1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		##	+					+
001	01	5339781	4		2	PC	CONN PLUS MALE 25 POS ALO	NE	P						
002	٥ĩ	5190850	0 5	1	0 50	FŤ	CABLE SHIELDED 25 CONB			1					
003		5339781	7 7	١.		Bé	CONN STRÍP PIN 20-24 GA M	441 5	P	1					1
			1			1.		TALE							}
004	01	9428802	1 2		4	PC	CONN LOCKING DEVICE		В				3	i	
005	٥ī	5190840	2 4		2	PC	HOOD CONNECTOR		P				1	ĺ	Ì
006	0ì	1012382	1 0		2	PC	LABEL COC 12 RVLOPS		8	Ì					
00Ť	oĩ	9427740	7 6		1	PČ	STRAP CABLE TIE TYPE 4		P				1		
		-		}		١	ì								
008		2452860	- 1	1	20	FT	TUBING INS SZ 17 BLACK		В						ĺ
009	01	9427740	0 1		2	PC	STRAP CABLE TIE TYPE 1		P						
			1			j	0009 TOTAL LINES								
			1			1				į					
						1									
													1	ļ	
			- {												
			į							-			1		
						-				-					
			-												
			į												
i			İ											1	
			- 1	1											

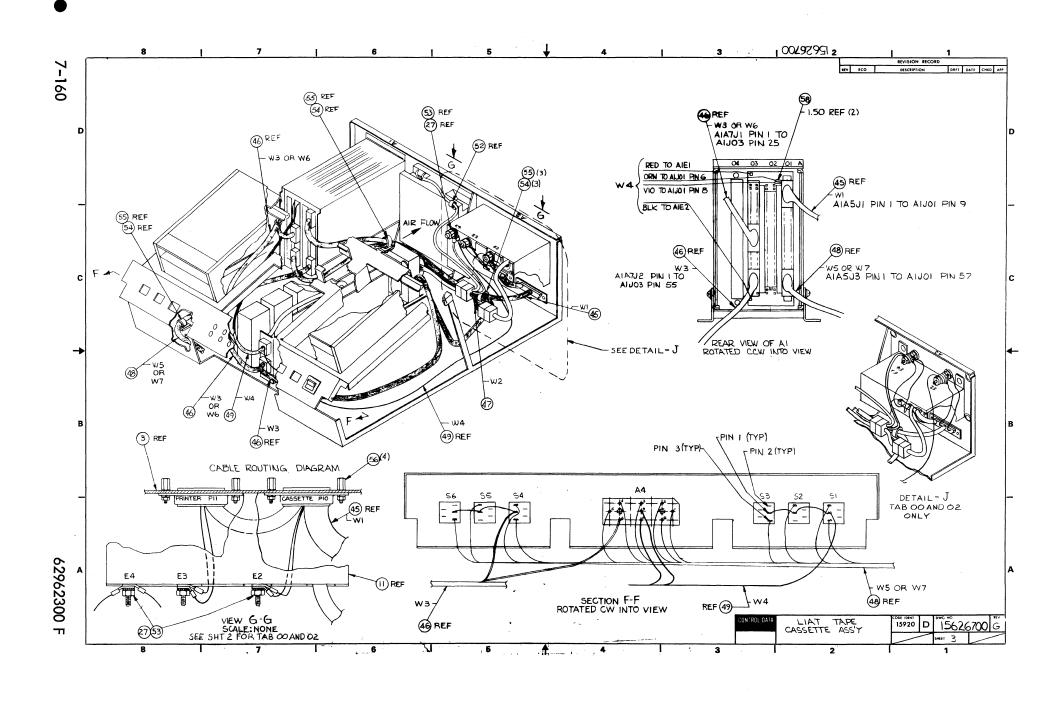
7-155/7-156











			,6		ACCEMBLY DARTS		CT	PRINT D			LE CHANGE	
		BUILD ARC	440/		ASSEMBLY PARTS	L	101	12-13-	77	1	0001	2624
DIV.	A		REV. DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG.	RESP.	FILE D	ATE
0860	L.,	15626700 7	A		SFTTE, DUAL TAPE 60HZ (TA)	N	REL	06-24-7			12-1	
FIND NO	-	PART NUMBER CD	W QUANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK O
001	03	71480300 4	1	PC	COVER CASSETTE		P					
002	01	71480400 2	1	PC	BASE CASSETTE		ρ					
003	01	71480500 9	1	PC	FRAME CASSETTE		P					
004	01	71480601 5	2	PC	REZEL CASSETTE CUT OFF BO	TTOM	Р					
005	01	71480700 5	1	PC	noor, CASSETTE (CRS) GOLD		P					
006	02	61407590 1	1	PC	CASSETTE LOGIC CHASSIS AS	SY	A	11767			7642	
008	01	51885400 5	1	PC	PWR SPLY, 50/60HZ MULTI-0	UT	v					
009	01	51915200 3	2	PC	DRIVE, TAPE CASSETTE DIGI	TAL	V					
010	01	51886600 9	1	PC	FAN 50 CFM 115 VAC		P					
011	02	61371113 4 61407956 4	1		PANEL ASSY (AC ENTRY) 60 PANEL ASSY (AC ENTRY) 60H		A	12624	12624		7750	779
612	01	51805801 1	4	PC	RUMPER, RUBBER .300H SLF-	STKG	8					
013	02	61391110 6	1	PC	GROUND WIRE ASSY 16AWG		A	11821			7649	
014	01	90432000 9	ı	PC	CD ASSY 58PD-0 LED BOARD		A					
015	n 1	51722100 8	2	PC	GRILL METAL MUF		P	,				
016	02	10122901 1	4	PC	NUT TWIN SELF LOCKING 6-3	5	8	12123			7712	
017	01	90430600 8	1	PC	CD ASSY SBJD-0 I/O DELAY		A					
018	02	90445760 3	ι	PC	CD ASSY SEKO-1 CONT UNITS		A	11767			7642	
019	01	90431200 6	1	PC	CD ASSY 5BLD-0 (READ WRITE)	A					
020	01	71482200 4	1	PC	RRACKET, FAN (CRS)		P					
021	01	51906400 0	2	PC	SW. ROCKER SPOT ON-NONE-O	Ni	P					

		BUILD AR		440 6		ASSEMBLY PARTS		IC	T	PRINT DAT		PAGE	FILE	CHANGE	
			_				_		•	12-13-7	7	5		0001	2024
DIV.	+-		_	REV. DWG.		DESCRIPTION	MC	STA	ATUS	STATUS DATE		IG. RESI		FILE C	DATE
0860	Ц,		713			SFTTE, DUAL TAPE 60HZ (TA)	N		EL	06_24_76		6034		12-1	
FIND NO	LI	PART NUMBER	CD	M QUANTITY	U/M	PART DESCRIPTION		WC	AFD	ECO. NO. IN	ECO. NO. O	UT	5/N	WK IN	WK OU
022	01	51906401	В	2	PC	SW. ROCKER SPDT ON-OFF-ON		P					-		
023	01	51906404	5	2	PC	SW. ROCKER SPDT ON-NONE-	ON.	P							
024	01	10127143	5	6	PC	MSCR PAN PHL 10-39X 1/2		8							
025	01	10127142	7	2	PC	MSCR PAN PHL 10-32X 3/8		В					-		
026	01	10125607	1	8	PC	WASHER FLT NO.10 STL CP		8					1		
027 027		10126403 10126403		11 14		WSHR NO.TO EXT TOOTH LK TOOTH				12624	126	24		7750	775
028	01	10127122	9	6		MSCR PAN PHL R-32X 3/8		8		1202			Ì		
<u> </u>	01	10125606	3	6	PC	WASHER FLT NO.8 STL CP		В							
030	01	10126402	6	6	PC	WSHR NO.8 EXT TOOTH LK TY	P A	В						!	
03ĩ	02	10127113	8	10	PC	MSCR PAN PHL 6-32X 3/8		В		15561				7725	
032	03	10126103	0	2	PC	WSHR NO.6 INTL TOOTH LOCK	STL	. в		12123				7712	
633	02	10127114	6	4	PC	MSCR PAN PHL 6-32X 1/2		В		12291		1		7725	
036	03	10125605	5	3	PC	WSHR NO.6 TYP & PLAIN STL	CP	8		12123				77 <u>1</u> 2	
637	01	10127104	7	6	PC	MSCR PAN PHL 4-40X 3/8		В		1			1		
038	01	10125103	1	1	PC	NUT HEX MCH 4-40 STL CP OF	₹ ZP	В					1		
039	01	10125603	0	7	PC	WASHER FLT NO.4 STL CP		В							
040	01	10126400	0	8	PC	WSHR NO.4 EXT TOOTH LK TY	>	8							
041	02	10126101	4	4	PC	INT TOOTH LK WSHR =4		В		11821				7649	
042	01	93114371	3	5	PC	STDOFF. HEX CRS 4-40X.375	TAP	P							
043	01	51787306	3	4	PC	NUT U TYPE 6/3?		В				-	1		

62962300 F 7–161

										_	PRINT DA	TE	PAGE	FI	E CHANGE	NO.
		RUILD AR	С	440,6		4	ASSEMBLY PARTS	5 L		-	12-13-			3	0001	2684
DIV.	^	SSEMBLY NUMBER C	•	REV. DWG.	↓		DESCRIPTION	MC	STA	TUS	STATUS DATE		ENG. R	ESP.	FILE D	ATE
0860		15626700	7 4	G A	C	15	SFTTE, DUAL TAPE 60HZ (TA)	N	1		06-24-76	5	BEAO	3 A	12-1	3-77
T FIND NO	u	PART NUMBER	CD	M QUANTITY	U	/M	PART DESCRIPTION		MC	AFD	ECO. NO. IN	ECO. N	10. OUT	S/N	WK IN	WK OUT
044	03	10127343	1	4	1	•c	SCREW MACH SLTD 6-32X2.25	50	В		12123				7712	
045	01	61398800	5	1	- 1	>ċ	CABLE ASSY I/O (W1)		A							
046	01	61398900	3	1	1	PC	CABLE ASSY DUAL TP DR (W	3)	A							
047	01	61399000	1	1		°c	CABLE ASSY AC PWR SPLY ()	12)	A							
048	01	61399100	9	1		PC	CABLE ASSY DUAL IND + SW	(W5	' ^							
049		61399200		1		٦	CABLE ASSY DC POWER (W4)		A							
051		66299240	!				GENEALOGY LIAT CASSETTE		D							
052		24565000					CLAMP, 1/8DIA CABLE BLK						. 24 24			7750
053 053		10125108 10125108				PC	NUT HEX MCH 10-32 STL CP	OR	Z 8 Z 8		12624		12624		7750	1130
054	01	62044200	4	3	-	PC	CLAMP-CABLE ADHESIVE BACK	(В							
055	01	94277401				.	STRAP CABLE TIE TYPE 1		8							
056		94288024				٦	LKG DEVICE, CONN TYP 4 W	/TYP	1							
057		10127102		1 1			MSCR PAN PHL 4-40X.250 TBG. INSUL NO.13 CLEAR UL	DV	В							
058	-	24528627 15010307					ID EMBLEM. PRODUCT MEDIUM		11							
039	0.7	15010307	,	1		٦	0058 TOTAL LINES	, 45								
							HARD LOURE CINES									

										_	PRINT DAT	E PAGE	FI	LE CHANGE	NO.
		BUILD ARC	2	440	- 4	422FWI	BLY PA	KI2 I	.15	1	04-05-7	7 1	T	0001	2169
DIV.	_ A	SSEMBLY NUMBER C	D	REV. DWG.		DESCR	RIPTION	MC	ST	ATUS	STATUS DATE	ENG. RE	SP.	FILE C	ATE
1860	Щ.	15626701		E A		ETTE, DUAL	. TAPE 50HZ	(TA) N		EL	06-24-76	8E603	Bi	04-0	5-47
FIND NO	LI	PART NUMBER	CD	W QUANTITY	U/M		PART DESCRIPTION		MC	AFD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK O
001	01	71480300	٠	1	PC	COVER CASS	SETTE		P						
002	01	71480400	s	1	PC	BASE CASSE	TTE		P						
003	01	71480500	9	1	PC	FRAME CASS	SETTE		ρ						
004	01	71480601	5	2	PC	BEZEL CASS	SETTE CUT O	FF BOTTO	H P						
005	01	71480700	5	1	PC	DOOR. CASS	SETTE (CRS)	GOLD	P						
006 006	02 02	613968 ₀₀ 61407590		1 1			3Y 61407590 OGIC CHASS		A		11767	11767		7642	76
800	01	51885400	5	1	PC	PWR SPLY.	50/60HZ MU	LTI-OUT	٧						
009	01	51915200	3	S	PC	DRIVE. TAP	E CASSETTE	DIGITAL	٧						
010	01	51886600	9	1	PC	FAN 50 CFM	115 VAC		ρ						
011	01	61374010	9	1	PC	PANEL ASSY	(AC ENTRY) 50 HZ	A						
012	01	51805801	1	4	PC	BUMPER, RU	JBBER .300H	SLF-STK	6 8						
013 013	01 02	61391104 61391110		1			NSSY 4.5 16 RE ASSY 16A		A		11821	11821		7649	76
014	01	90432000	9	1	PC	CD ASSY 58	SPD-0 LED B	OARD	A		ŀ				
015	01	51722100	8	2	PC	GRILL META	AL MUF		P						
016 016		51871600 10122901		8		CLIP FAN M NUT TWIN S	OUNTING SELF LOCKIN	G 6-32	8		12169	12169		7715	77
017	01	90430600	8	1	PC	CD ASSY 58	3J0-0 I/O D	ELAY	A						
018 018	01 02	90430900 90445760		1			SY 90445760 BKD-1 CONT		A		11767	11767		7642	76
019	01	90431200	6	1	PC	CD ASSY 58	LD-0 (READ	WRITE)	A						
020	01	71482200	4	1	PC	BRACKET, F	AN (CRS)		P						

		BUTLD AF	₹C	440			ASSEMBLY PART	SL	IS.	T	04-05-7		GE 2	FILE CHANGE	
DIV.	т.		CD	REV.	DWG.		DESCRIPTION		STA		STATUS DATE				
	+			HEV.				MC	-				. RESP.	FILE	DATE
0860	ـــاـــ	15626701	ا ف	E	UANTITY		SETTE. DUAL TAPE SOHZ (TA) N	RE		06-24-76	8E6		04-0	
FIND NO	LI	PARI NUMBER	CB	M Q1	UANTITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO. OU	S/N	WK IN	WK O
021	01	51906400	0		2	PC	SW. ROCKER SPOT ON-NONE-	ON-	P						
022	01	51906401	l		S	PC	SW. ROCKER SPOT ON-OFF-O	N	P						
023	01	51906404	S		2	PC	SW, ROCKER SPOT ON-NONE-	, ON.	P						
024	01	10127143	3 5		6	PC	SCREW MACH 10-32 X 1/2 P	AN HD	8						
025	01	10127142	7		5	PC	SCREW MACH 10-32 X 3/8 P	AN HD	8						
026	01	10125607	1		А	PC	WASHER FLT NO.10 STL CP		8						
027	01	10126403	3 4	1	.1	PC	WSHR NO.10 EXT TOOTH LK	TYP A	В						
028	01	10127122	9		6	PC	SCREW MACH 8-32 X 3/8 PA	N HD	В						
029	01	10125606	3		6	PC	WASHER FLT NO.8 STL CP		8						
030	01	10126402	6		6	PC	WSHR NO.8 EXT TOOTH LK T	YP A	8						
031	01	10127113	8 8		6	PC	MSCR PAN PHL 6-32x3/8 (T	YP I)	8	i					
		10126103			4		WSHR NO.6 INTL TOOTH LOC					1182			76
032		10126103		1	0		WSHR NO.6 INTL TOOTH LOC				11821	1216	9	7649	77
032	03	10120103	10		6	PC	WSHR NO.6 INTL TOOTH LOC	K SIL	В	- 1	12169			7715	
033	01	10125715	2		4	PC	MSCH FLAT HO SLTD 6-32X.	500	В	-					
034	01	10125714	5		4	PC	MSCH FLAT HD SLTD 6-32X.	375	в						
036		10125605			9		WSHR NO.6 TYP A PLAIN ST		8	- 1		1182	1		76
036		10125605			4		WSHR NO.6 TYP A PLAIN ST		8		11821	1216		7649	77
036		10125605	5 5		3	PC	WSHR NO.6 TYP A PLAIN ST	L CP	8		12169			7715	
037		10127104	1		6		SCREW PAN HD 4-40x3/8 ST		8						
038	-	10125103			1		NUT HEX MCH 4-40 STL CP	OR ZP							
039		10125603			7		WASHER FLT MO.4 STL CP		В						
040	01	10126400	11-11		4	PC	WSHR NO.4 EXT TOOTH LK T	YP A	9	- 1					

BUILD												PRINT DA		PAGE		E CHANGE	
	AR	2	440			ASSEMBLY	PA	RTS	L	151	Г	04-05-1	77	3		0001	2169
ASSEMBLY NUMB	er c	D	REV.	DWG.		DESCRIPTION			MC	STAT	US	STATUS DATE		ENG. RE	IP.	FILE C	DATE
156267	01	5	E	A	CAS	SETTE, DUAL TAPE	50HZ	(TA)	N	RE	L	06-24-76	8	E603	B:	04-0	5-77
PART NUM	MER	CD	M QU	ANTITY	U/M	PART DES	RIPTION			WC .	YLD	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	MK O
										8		11821	11	821		7649	764
1 93114	371	3		2		_		X.375	TAP	P		• • • • • • • • • • • • • • • • • • • •					
1 51787	306	3		4	PC	NUT U TYPE 4/32				8	-						
												11821				7649	764 77)
										В		12169			-	7715	' '
-				1			. •.			A							
-										A							
-										^							
				1					ws,	À	1						
-	-				-					D							
1 24565	000	7		1	PC	CLAMP. 1/8DIA C	ABLE	BLK NY	LON	8							
1 10125	108	0		3	PC	NUT HEX MCH 10-	32 \$7	L CP O	R Z	В							
1 62044	200	4		3	PC	CLAMP-CABLE ADH	ESIVE	BACK		В							
								_		8	-						
				1					•	11							
	_			1	-				1)	В							
-					'				AL	P							
	156267 1	156267011 PART HUMMR 1 10126101 1 93114371 1 51787306 1 10127114 2 10127134 3 10127343 1 61398800 1 61398900 1 61399000 1 61399100 1 61399200 1 66299240 1 24565000 1 10125108 1 62044200 1 94277401 1 94288024 1 10127102	15626701 5 FART NUMBER CO 1 10126101 4 2 10126101 4 1 93114371 3 1 51787306 3 1 10127114 6 2 10127313 1 6139800 5 6139800 5 6139900 1 61399100 9 61399200 7 1 6299240 3 24565000 7 1 10125108 0 1 94277401 9 1 94288024 6 1 10127102 1 1 24528627 3	15626701 5 E	15626701 5 E A PART NUMBER CD QUANTITY 1 10126101	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5	15626701 5 E A CASSETTE, DUAL TAPE 50HZ (TA) N REL 06-24-76 886038 04-0 PART NUMBER CO W QUANTITY U.M PART SHECHPION KC TO SCO. NO. N ECO. NO. OUT 1/N WE IN 10126101 4 PC INT TOOTH LK MSHR =4 8 11821 11821 7640 1 PC INT TOOTH LK MSHR =4 8 11821 7640 1 PC INT TOOTH LK MSHR =4 8 11821 7640 1 PC INT TOOTH LK MSHR =4 8 11821 7640 1 PC INT TOOTH LK MSHR =4 8 11821 7640 1 PC INT TOOTH LK MSHR =4 8 11821 7640 1 PC INT TOOTH LK MSHR =4 8 11821 12169 7640 1 PC INT TOOTH LK MSHR =4 8 11821 12169 1 PC INT TOOTH LK MSHR =4 8 8 11821 12169 1 PC INT TOOTH LK MSHR =4 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSHR =4 8 8 8 11821 1 PC INT TOOTH LK MSH

					_			ASS	FM	RI Y	PΑ	PTS		15.	T	PRINT D		PAGI	A .	0001	
		BUILD A						733				N				04-05-	<u>'7</u>		<u> </u>		
DĮV.	ASSEM	MA NAWRES	CD	REV.	DW					HPTION			MC		TUS	STATUS DATE		ENG. I		FILE C	
860	1	5626701	اجا	F		L	ÇAS	SETTE	DUAL	TAPE	50HZ	(TA)	N	RE	L	06-24-7		BE60		04-0	5-77
FIND NO L		ART NUMBER	CE	-	QUANT	TITY	U/M			PART DESC				MC	AFD	ECO. NO. IN	ECO. N	O. OUT	S/H	WK IN	WK OU
			1		- 1			0067	TOTAL	LINE	5										
			į	1			1								- 1						
- 1			ļ				1	1							- 1						
- 1			- !		- 1		1								- 1						
- 1					- 1									П	I						
			Ì		ı		1													ł	
							İ														
			i	1															1		l
			į				1	1											1		
- 1			- 1	1	l		1	i													
1			- 1				1														
- 1			- į		1																
- 1			1		1															İ	Ì
			į	1				1							l						
			- 1	1			1	Ì													
			i																		
	ļ							1									ĺ				
	- 1							İ													
1			į																		Ì
i			- !																		
			į																	1	
1	i		- 1																		
			i				1												ĺ		
Ì			- 1																l		
						1															
						l											1				
			- 1											1							1
			į	1																	
			- 1													1					1
			- [1		1						1		l .	1				

							PRINT DATE PAGE	FILE CHANGE NO.	
		BUILD AR	С	440	6	4	ASSEMBLY PARTS LIST 01-04-78 1	000126	24
DIV.	A	SSEMBLY NUMBER	CD	REV	DWG.		DESCRIPTION MC STATUS STATUS DATE ENG. RESP.	FILE DATE	
860		15626702	3	La	Α	CAS	ETTE SGL TAPE GOHZ (TA) N REL 06-24-76 BEDOSC	01-04-	
FIND NO	u	PART NUMBER	CD	M Q	JANTITY	U/M	PART DESCRIPTION MC YLD ECO. NO. IN ECO. NO. OUT 5/N	WK IN WK	K O
001	01	71480300	4		1	PC	COVER CASSETTE		
002	01	71480400	2		1	PC	BASE ÇAŞŞETTE P		
003	01	71480500	9		1	PC	FRAME CASSETTE P		
004	01	71480601	5		1	PC	BEZEL CASSETTE CUT OFF BOTTOM P		
005	01	71480700	5		1	PC	DOOR+ CASSETTE (CRS) SCLD P		
006	02	61407590	1		1	PC	CASSETTE LOGIC CHASSIS ASSY A 11767	7642	
007	01	71480600	7		.1	PC	BEZEL CASSETTE		
008	01	51885400	5		1		PWR SPLY, 50/60HZ MULTI-OUT V		
009	01	51915200	i		1		DRIVE, TAPE CASSETTE DIGITAL V		
010	01	51886600	9		1	PC	FAN 50 CFM 118 VAC		
011 011		61371113 61407 95 6			1	PC	PANEL ASSY (ÂC ENTRY) 60 HZ A 12624	7750	77
012	01	51805801	1		4	PC	BUMPER, RUBBER .300H SLF-STKG B		
013	02	61391110	6		1	PC	GROUND WIRE ASSY 19AWG A 11821	7649	
014	01	90432000	9		1	PC	CD ASSY 58PD-0 LED BOARD A		
015	01	51722100	8		2	PC	GRILL METAL MUF		
016	02	10155601	1		4	PC	NUT TWIN SELF LOCKING 6-32 B 12169	7715	
017	01	90430600	8 0		1	PC	CD ASSY 58JD=0 I/O DELAY		
018	02	90445760	3		1	PC	CD ASSY 58KD-1 CON! UNITS A 11767	7642	
019	01	90431200	6		1	PC	CD ASSY 58LD-0 (REAU WRITE) A		
020	01	71482200	9		1	PC	BRACKET. FAN (CRS)		

		A	_		_		ACCEMBIV DADTO		ICT	PRINT DA		PAGE		CHANGE	
		SUILD AR	C	440	6		ASSEMBLY PARTS	L	131	01-04-7	78	2		0001	2624
DIV.	^	SSEMBLY NUMBER			WG.		DESCRIPTION	MC	STATUS	STATUS DATE		ENG. RES	P	FILE C	ATE
860	<u>L</u>	15626702					ETTE SOL TAPE SOHE (TA)	N	REL	06-24-76		E003		01-0	
FIND NO	Li	PART NUMBER	CD	M QUAP	VTITY (J/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO.	OUT	S/N	WK IN	WK O
021	01	51906400	0	2		PC	SW. ROCKER SPOT ON-NONE-O	N	P						
022	01	51906401	8	2		PC	SW. ROCKER SPOT ON-OFF-ON		P						
023	01	51906404	2	2		PC	SW. ROCKER SPOT ON-NONE-	01v <u>•</u>	P						
024	01	10127143	5	6		PC	MSCR PAN PHL 10-32% 1/2		В						
025		10127142	7	2		PC	MSCR PAN PHL 10-32% 3/8		8						
026		10125607	į.	8		PC	WASSER ELT NO.10 SIL CP		8				1		
	02	10126403		11 14	1	PC	WSHR NO.10 EXT TOOTH LK T		8	12624	12	644		7750	77
028	01	10127122	9	6		₽C	MSCR PAN PHL 8-32X 3/8		8						
029	01	10125606	3	6		PC.	WASCER ELT NO.8 STE CP		8						
030	01	10126402	6	6		PC	WSHR NOES EXT TOOTH LK TY	ΡĀ	8				l		
031	02	10127113	8	10		PC	MSCR PAN PHL 6-32X 3/8		В	12291				7725	
032	03	10126103	0	6		PC	WSHR NO.6 INTL TOOIH LOCK	SŢL	8	12169				7715	
033	02	10127114	6	4	1	PC	MSCR PAN PHL 6-32X 1/2		8	12291				7725	
036	03	10125605	5	3		PC	MSHR NO 6 TYP & PLAIN STL	СP	8	12169				7715	
037	01	10127104	7	6		PC	HSCR PAN PHL 4-40X 3/8		8						
038		10125103	1	1		PC	NUT HEX MCH 4-40 SIL CP O	R ZP	8				l		
039	[10125603	1	7			WASHER FLT NO.4 STL CP		8						
040		10126400	1	8		ļ	WSHR NO.4 EXT TOOTH LK TY	ΡÄ	8						
041	-	10126101	1	4	1 1	- 1	INT TOOTH LK WEHR =4		8	11821				7649	
042	01	93114371	3	2		PC	STDOFF, HEX CRS 4=40X.375	TAP	P	1			-		

62962300 F

										PRINT DA	TE PAGE		LE CHANGE NO.	
		BUILD AR	С	440	,6		ASSEMBLY PARTS	L	IST	01-04-7			000126	
DIV.	T /	ASSEMBLY NUMBER	CD	REV.	WG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RE	SP.	FILE DATE	
860	T	15626702	3 1	Ma	A	CAS	ETTE SOL TAPE GOMZ (TA)	N	REL	06-24-76	BE003	C	01-04-	78
ND NO	LI	PART NUMBER	CD	M QUA	NTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN W	
043	01	51787306	3	4		PC	NUT U TYPE 6/32		8					
044	03	10127343	1	4		PC	SCREW MACH SLTU 6-32X2.25	0	8	12169			7715	
045	01	61398800	5	1		PC	CABLE ASSY I/O (W1)		A					
)46	01	61399500	٥	1		PC	CABLE ASSY SINGLE IP DR	M9)	A					
)47	01	61399000	1	1		PC	CABLE ASSY AC PWR SPLY (W	(2)	A					
48	01	61399600	8	1		PC	CABLE ASSY SOL IND + SW (W7)	A					
049	01	61399200	7	1		PC	CABLE ASSY DE POWEK (W4)	•	A					
51	01	66299240	3	REF		PC	GENEALOGY LIAT CASSETTE		D					
)52	01	24565000	7	1		PC	CLAMP+ 1/8DIA ÇABLE BLK N	YLÖN	В					
053 053		10125108 10125108		3	1		NUT HEX MCH 10-35 5TF CB			12624	12644		7750	77:
54	01	62044200	4	3		PC	CLAMP-CABLE ADMESTYE BACK		8					
55	01	94277401	9	3		PC	STRAP CABLE ILE TYPE 1		8					
)56	01	94288024	6	4		PC	LKG DEVICE. CONN TYP 4 4/	TYPE	P					
057	01	10127102	1	2		PC	MSCR PAN PHL 4-40X-250		8					
58	01	24528627	3		204	FT	TBO, INSUL NO.13 CHEAR UL	PAC	8					
059	01	15010307	5	1		PC	ID EMBLEM. PRODUCT MEDIUM	AL	P		İ			
							0059 TOTAL LINES							
											ĺ			
			1	1						i				

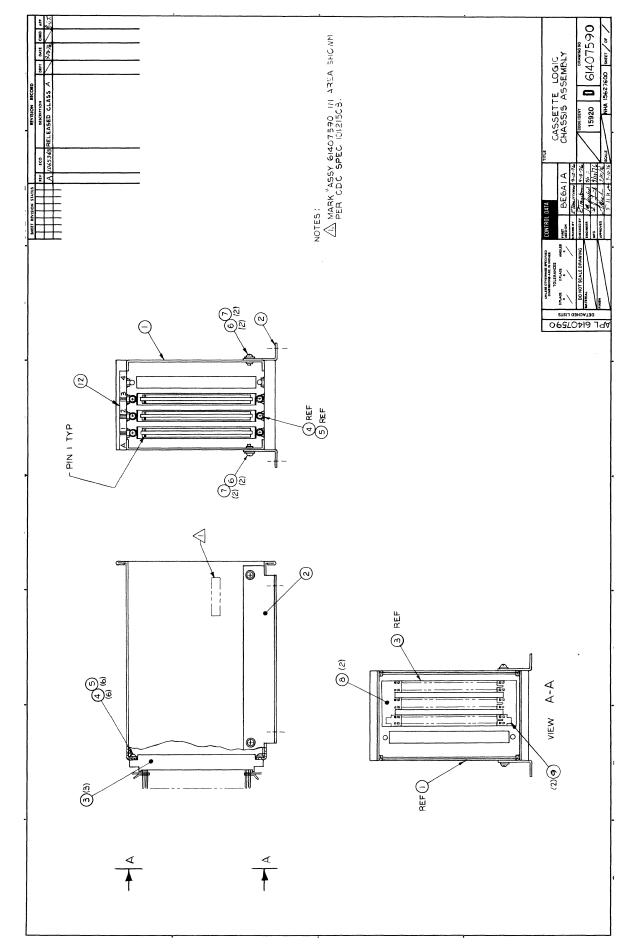
62962300 F

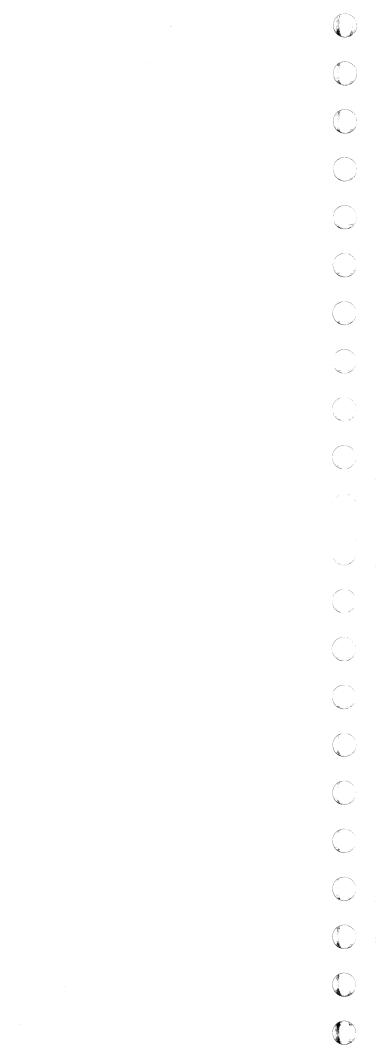
											PRINT D.	ATE PAG	E FI	LE CHANGE	NO.
		BUILD AR	С	440		ASSEMI	BLY P/	ARTS	L	IST	04-05-	77	1	0001	1169
DIV.		SEMBLY NUMBER	CD	REV. DWG		DESCI	RIPTION		MC	STATUS	STATUS DATE	ENG.	RESP.	FILE D	ATE
860	T	15626703	1	EA	CAS	SETTE, SGL	TAPE SOHZ	(TA)	N	REL	06-24-7	6 BE60	30	04-01	5-77
PIND NO	LI	PART NUMBER	CD	M QUANTIT	Y U/M		PART DESCRIPTION			MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK OU
001	01	71480300	4	1	PC	COVER CASS	SETTE			P					
005	01	71480400	2	1	PC	BASE CASSE	ETTE			P					
003	01	71480500	9	1	PC	FRAME CASS	SETTE			P					
004	01	71480601	5	1	PC	BEZEL CASS	SETTE CUT	OFF BO	TTO	P					
005	01	71480700	5	1	PC	DOOR, CASS	SETTE (CRS) GOLD	1	P					
006		61396800 61407590		1	PC PC	REPLACED E	BY 6140759 LOGIC CHAS	0 1172 SIS AS	3 5Y	^	11767	11767	-	7642	764;
007	01	71480600	7	1	PC	BEZEL CASS	SETTE			P					
800	01	51885400	5	1	PC	PWR SPLY,	50/60HZ N	ULTI-0	UT	٧					
009	01	51915200	3	1	PC	DRIVE, TAP	PE CASSETT	E DIGI	TAL	V					
010	01	51886600	9	1	PC	FAN 50 CF	M 115 VAC			P					
011	01	61374010	9	1	PC	PANEL ASSY	Y (AC ENTE	Y) 50	HZ	A					
012	01	51805801	1	4	PC	BUMPER. RL	UBRER .300	H SLF-	STK	8					
013 013		61391104 61391110		1	PC PC	GND WIRE A				Â	11821	11821		7649	764
014	01	90432000	9	1	PC	CD ASSY 5	BPD=0 LED	BOARD		A					
015	01	51722100	8	2	PC	GRILL MET	AL MUF			P					
016 016		51871600 10122901		8		CLIP FAN P		NG 6-3	12	8	12169	15166)	7715	771
017	01	90430600	8	1	PC	CD ASSY 5	BJD-0 I/n	DELAY		A					
018 018		90430900 90445760		1 1	PC PC	REPLACED E				À	11767	11767	7	7642	764
019	0)	90431200		,	PC	CD ASSY 5	BLD-0 (REAL) WRITE	.)	A .					

		A	_				ASSEMBLY PARTS		IC.	T	PRINT DAT			LE CHANGE	
DIV.		BUILD AR	-	440 REV.	DWG.		DESCRIPTION	MC	STA		04-05-7	7 2 ENG. R		00012	
	+-^								+					†	
B60	-	15626703	CD /	E	ANTITY	CAS:	SETTE. SGL TAPE SOHZ (TA)	N	RE	YLD	06-24-76 ECO. NO. IN	8E603	SD S/N	04-09	WK OU
FIND NO		PARI NUMBER	100	nj QU	ANIIIT	U/M	PARI DESCRIPTION		-	TLD	ECO. NO. IN	ECO. NO. 001	5/N	WKIN	WK OU
020	01	71482200	4		1	PC	BRACKET, FAN (CRS)		P						
921	01	51906400	0		2	PC	SW. ROCKER SPOT ON-NONE-OF	•	P						
922	01	51906401	8		2	PC	SW, ROCKER SPDT ON-OFF-ON		P						
023	-	51906404	1		2		SW, ROCKER SPOT ON-NONE-,		P						
924		10127143	1		6		SCREW MACH 10-32 X 1/2 PA								
025 026	-	10127142	1 1		8		SCREW MACH 10-32 X 3/8 PA	4: 171	8						
027	-	10126403	1	1		-	WSHR NO.10 EXT TOOTH LK T	/P /	1						
028	01	10127122	9		6	PC	SCREW MACH 8-32 X 3/8 PAN	HD	8						
929	01	10125606	3		6	PC	WASHER FLT NO.8 STL CP		8						
030	01	10126402	6		6	PC	WSHR NO.8 EXT TOOTH LK TY	P. A	В						
031	01	10127113	8		6	PC	MSCR PAN PHL 6-32x3/8 (TY	· I	В						
032		10126103		1			WSHR NO.6 INTL TOOTH LOCK					11021		7649	764
032 032		10126103 10126103	: 1	1	6		WSHR NO.6 INTL TOOTH LOCK				11821	12169		7715	141
033	01	10125715	2		4	PC	MSCR FLAT HD SLTD 6-32X.5	0	8						
	01	10125714			4		MSCH FLAT HD SLTD 6-32X.3		8						
036		10125605			В		WSHR NO.6 TYP A PLAIN STL		8			11821		7649	764
036		10125605 10125605			3		WSHR NO.6 TYP A PLAIN STL WSHR NO.6 TYP A PLAIN STL		В		11821	12169		7715	17.4
037		10127104			6		SCREW PAN HD 4-40x3/B STE		8		15103			1,112	
038	- 1	10125103	1		1	-	NUT HEX MCH 4-40 STL CP O	_	8						
		10125/02			_	-	WASHED F. T. NO. 4 STI. OD								
039	01	10125603	0		7	PC	WASHER FLT NO.4 STL CP		В						

		BUILD AR	C	440			ASSEMBLY PARTS	5 L	ıs	T	04-05-		PAGE	PI	0001	
DIV.	_		CD		wg.		DESCRIPTION	MC		TUS	STATUS DATE			<u> </u>	, , ,	•
	+-		_					+					ENG. RES		FILE I	
B60	4	15626703.	CD			U/M	SETTE, SGL TAPE SOHZ (TA)	N	RE	YLD	06-24-7	ECO. NO	E6080	S/N	04-0	
	-		+	1 337	T	1	772. 3344.		╫		ECO. NO. IN	ECO. NO		3/14	WA 100	
040	01	10126400	0	8		PC	WSHR NO.4 EXT TOOTH LK TY	PIA	8							
041	01	10126101	4	2	1	PC	INT TOOTH LK WSHR =4		8			11	821			704
041	02	10126101	•	•		PC	INT TOOTH LK WSHR =4		8		11851				7640	
042	01	93114371	3	2		PC	STDOFF. HEX CRS 4-40X.375	TAP	P							
043	01	51787306	3	4		PC	NUT U TYPE 6/32		8							
044		10127114	6	8		PC	SCREW MACH PAN HD 6-32X1/	2 ST			Ì		821			764
044	02	10127115	¦3	8		PC	MSCR PAN PHL 6-32X5/8 (T)	P I)	В		11821		169	-	7649	
044	03	10127343	1	4	ļ	PC	SCREW MACH SLTD 6-32X2.25	0	В		12169				7715	
045	01	61398800	5	1		PC	CABLE ASSY I/O (W))		A							
046	01	61399500	0	1		PC	CABLE ASSY SINGLE TP DR	W6)	A							
047	01	61399000	1	1		PC	CABLE ASSY AC PWR SPLY (2)	A							
048	01	61399600	8	1		PC	CABLE ASSY SGL IND + SW	W7)	A							
049	01	61399200	7	1		PC	CABLE ASSY DC POWER (W4)		A							
051	01	66299240	3	REF		PC	GENEALOGY LIAT CASSETTE		D							
052	01	24565000	7	1		PC	CLAMP. 1/8DIA CABLE BLK N	YLON	8				ļ			
053	01	10125108	0	3		PC	NUT HEX MCH 10-32 STL CP	OR Z	В							
054	01	62044200	4	3		PC	CLAMP-CABLE ADMESTVE BACK		8							
055	01	94277401	9	3		PC	STRAP CABLE TIE TYPE 1		В	1						
056	01	94288024	6	4		PC	LKG DEVICE. CONN TYP 4 W/	TYPS	P							
957	01	10127102	1	2		PC	MSCR PAN PHL 4-40X1/4 (TY	P [)	8							
058	01	24528627	3		208	FT	TUBING INS SZ 13 CLEAR		В							
059	01	15010307	5	1		PC	ID EMBLEM. PRODUCT MEDIUM	AL	P	Ì						

						ACCEMBIV DARTO		IC'	T	PRINT DATE			E CHANGE	
	BUILD A					ASSEMBLY PARTS				04-05-77			0001	
DIV.	ASSEMBLY NUMBER	CD	REV.	DWG.		DESCRIPTION	MC	STA	TUS	STATUS DATE	ENG. RE		FILE	DATE
860	15626703	4	F	A	ÇAS	SETTE. SGL TAPE SOHZ (TA)	N	R		06-24-76	BE603	D	04-0	
IND NO	LI PART NUMBER	-	M C	UANTITY	U/M			MC	YLD	ECO. NO. IN	ICO. NO. OUT	S/N	WKIN	WK O
- 1		- 1	}			0068 TOTAL LINES			1					
	1	į		- [1	- 1	l l			-	
		1		ı					1					
		1			1				1	1				
		į			1					1			1	
		1		İ										
		1		1					1				1	
		- (- 1						1			1	
		-												1
1				1					- 1					
	1	į.	1	- 1				1 1	- 1				ĺ	
		i												
	1	i)					
	Į.	į		- 1					-					
		1												
		į		1					- 1					
		į							- 1	-				1
		- (1				l i	- 1					
1		1		1					- 1					
		- 1	1	[1 [{				ſ
		i							i					
		1	1	- 1]					
		-		- 1									1	1
		1							- [
1		- 1		1										
		1												
		- [- 1					
- 1	1	1		1]					
		;							- 1					-
	İ	1									Į			1
		1		1										-
		1						1	1	1				
		!												1
1	1	į		- 1										
		1	1	- 1	- 1			1 1					I .	1

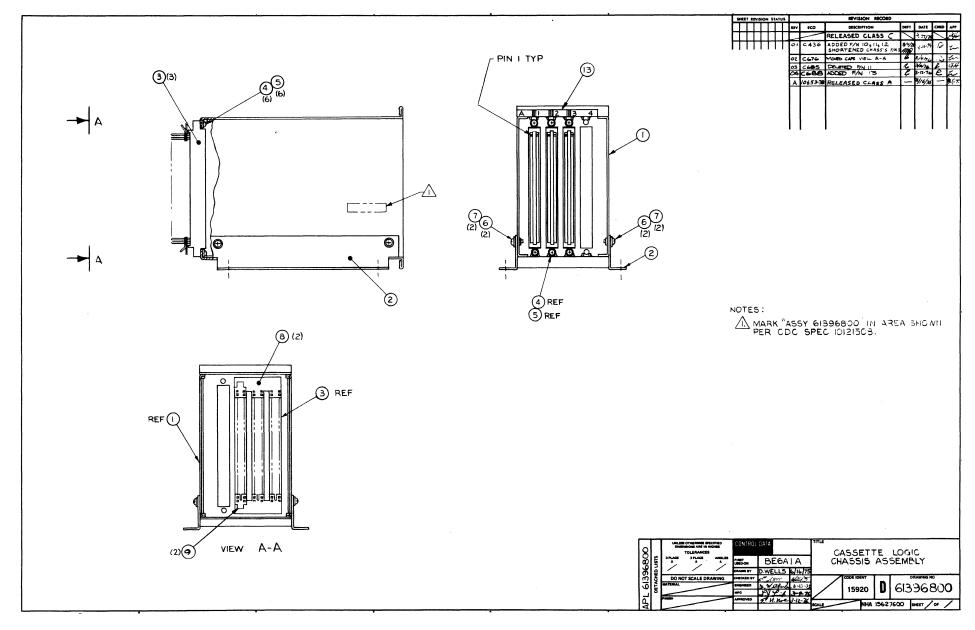




											PRINT DA		PAGE	T	E CHANGE	**
		BUILD ARG	•	220			ASSEMBLY PARTS	L	IST	•	09-15-7		1		10663	
DIV.	+^	SSEMBLY NUMBER	-		DWG.		DESCRIPTION	MC	STATI	-	STATUS DATE	+	ENG. R		FILE E	
860	٠.,	61407590					SETTE LOGIC CHASSIS ASSY	A	REL		09-13-76		DEGAL		09-1	
IND NO	-	PART NUMBER	CD	W GUY	NTITY	U/M	PART DESCRIPTION		MC Y	LED	ECO. NO. IN	ECO. N	D. OUT	S/N	WK IN	WK O
001	01	71480800	3	1	-	PC	CHASSIS. CASSETTE LOGIC (C	(RS)	P							
002	01	71480900	1	Z	:	PC	BRKT, LOGIC CHASSIS (CRS)		P							
003	01	51900300		3	1	PC	CONN BRD EDGE 46/80 DUAL R	1 O	P							
004	01	10127103		•	•		SCR MACH PAN HD 4-40X,312		8							
005		10126400		•	•	1 _	WSHR NO.4 EXT TOOTH LK TYP	Pi A	8							
006		10127121	į	•			SCREW PAN HD 8-32X.312 LG		8							
007		10126402					WSHR NO.8 EXT TOOTH LK TYP		8							
800		71454008 71454100	1				BUS, PWR 1.55L'S W/POSTS CL	J'	P							
009		52629949	į	2			CONTACT WIR 308A SLD WHITE									
011	-	61399400	1				L/W LOGIC CHASSIS		D							
012		71474108		,			LABEL A CC CHAS 2.80 VINYL	_ł	•							
		. •	1				0012 TOTAL LINES				İ					

62962300 B 7–171







		.	_	4		ASSEMBLY PARTS		IST	•	PRINT DA		PAGI	1020	AT AT	
				220		MAJEMBEI PARIA	-	71		00-11-7	76	1	1 /003		
DIV.	A	SSEMBLY NUMBER	٥ ح	DWA		DESCRIPTION	MC	STATU		STATUS DATE	2	ENG. I	IESP.	PILIT	XII
860		61396800	7 1	0 D	CAS	SETTE LOGIC CHASSIS ASSY	A	KES		06-27-75	-	BE6A	LA	00-11	3
IND NO	L!	PART NUMBER	CD	M QUANTITY	U/M	PART DESCRIPTION		MC YL	٥	ECO. NO. IN	ECO.	NO. OUT	S/N	47 IN	MK Of
061	01	71480800	3	1	PC	CHASSIS CASSETTE		P				*		€	æ
002	01	71480900	3	2	PC	BRACKET CHASSIS LOGIC		P							
003	01	51900300	•	3	PC	CONN BRD EDGE 40/80 DUAL R	Vu	P							
004	01	10127103	•	6	PC	SCR MACH PAN HD 4-49X-312		8							
005	01	10126400	•	6	рC	WASHER LOCK EXT TOOTH 4 ST	EĻL	8							
006	01	10127121	1	4	PC	SCREW PAN HD 8-32X.312 LG		8							
007	01	10126402	6	•	PC	WASHER EXT. 8		В							
800	01	71454008	5	2	PC	BUS BÁR GTY S		P	ı						
009	01	71454100		2	1	CONTACT		P							
010	-	15006509	1		1	WIR 30GA SLD WHT UL TEFZEL									
011	01	51654001		3	FT	WIR 26GA RED 550V UL MYL		-	ŀ						
015	01	61399400	3	REF	PC	L/W LOGIC CHASSIS		0							
						UD12 TOTAL LINES									
13	01	71474108		/	R	LABEL COLOR CODING	•								
			: 1		1			1.1	- 1				1	1	

DWN CHKD ENG	D		lls	·L-	/2 y	经	CONT	ROL	DATA	TIT		/W	CHA	221	s c	Z 2 A	ETTE			PREFIX LW	1		ENT NO. 99400				Ā
MFG APPR	_	Z,	. n	<u>, </u>	7-12	7		E IDI		FIR	STU	SED	ON		BE	ЬАЪ	A			NHA 61396	800)	SHEET	1	of	11	
			,		SHE	ETR	EVIS	SION	STA.	tus										REVI	SIO	N REC	CORD				
	L	_				11	10	9	8	7	Ь	5	4	3	5	ı	REV	ECO		DESC	CRIP	TION		ľ	DRFT	DATE	APP
	L																		REI	LASED	CL	22 A -	C		/	\setminus	DEK 84
													0			01	01	C619	SHT PIN	4, LAS	7 R	DW TO	DEST.	l	Melle	4476	2-
	L									02	oz	OZ	oz	OZ	OZ	oz	02			Fen					RT	73/16	m
	L									A	Α	А	Α	A	Α	A	A	/0653-38	AEL	E A 5 E	D	CL	9556	9	/	346/76	M. 7.
	L																							T			
																								-			
		_																									
	L																							İ			
											L.																
NOTES:																											•
																								DE	TACH	ED LIST	S
A3180 RE	V. 8/	71																								PRINTED	IN U.S.A.

CONTROL DAT	А					DE IDENT 5920	SHEET	. 5		LW	MUDOO	ENT NO. 9400	REV.
SUBJECT			ORIGIN			DES	INATIO	7	TYP	E - W	RE		ADD OR
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE		COLOR	ECO NUMBER	DELETE
BUZED +5V		ΑЪ	AOJ	ı									
4		1		2									
				3									
		Ш	A O J	4									
			V DS	J.									
				2									
				3									
			A 0 2	4									
			EDA	1									
			4	2									
•				3									
BUSED +5V			EDA	4	<u> </u>								
OPEN			ADL	5									
4			ADL	Ь									
			A 02	5									
			A D2	Ь									
			A D 3	5									
			EDA	Ь									
1		1	AOL	7									
OPEN		Al	A D L	B									

7–1*7*4

CONTROL DA	TA					DE IDENT	SHEET	Г 3		LW	61.39	NENT NO. 9400	REV
SUBJECT	1		ORIGIN			DEST	INATIO	N	TYP	E - WI	RE		ADD OR
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE		OLOR	ECO NUMBER	DELETE
OPEN		Al	A 02	7									
1		1	A 02	B									
_			A D 3	7									
OPEN			EDA	B									
OPEN			AOL	9									
A			1	10									
				11									
				15									
				13									
				14									
				1.5									
				16				,					
				17									
				18									
				19									<u></u>
				50									
				57									
				55									
*		1	Ţ	53									
OPEN		Al	A D L	24									

ONTROL DA	TA					TMBDI BD S920	SHEET	4		LW		400. 9400	REV.
SUBJECT			ORIGIN		į	DES	TINATIO	٧	TY	PE - W	IRE		ADD OR
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE	FIND	COLOR	ECO NUMBER	DELETE
	NI E	Al	AOL	25	L	Αl	A05	25	30	70	9		
	A	4	1	56	2	1	4	56	1	1	1		
				27	3			27		Π			
				28	4			28		Ш			
				29	5			29					
				30	Ь			30					
				31	7			37		ПП			
		\Box		32	A			35		\prod			
				33	9			33		ПП			
				34	10			34					
				35	11			35					
				36	75			36					
				37	13			37					
				38	14			38					
				39	1.5			39					
				40	16			40					
				41	17			41					
				42	18			42					
	T			43	19			43					
	3 IN	Al	ADL	44	20	Al	A05	44	30	10	9		

62962300 B 7–175

CONTROL DA	TA							592	DENT PD	SH	EET	5			L٧		3 39'	1ENT NO. 19400	REV.
SUBJECT TERM	LENGTH	CHAS		ORIC		PIN	SORT	- 2	DES	TINAT	_	PIN	SIZ		E - V	_	LOR	ECO NUMBER	ADD OR DELETE
TERM		├	313		\dashv		ļ	⊢			-			_	NO	-		ECO NUMBER	DELETE
	3 IN	Al	\dashv	A O	-	45	5.7	<u> </u>	l l	A D	-	45	30		10	-	9		
	3 IN	1	_		,	46	55	Ľ		ΑO	2	46	1		1	_	1		
	3.5 IN	\sqcup	_	_	-	47	53	_		AD	3	47		_		_	1		
	1	Ш	_	_	_	48	24	L		4	_	48	Ц			_	↓_		
						49	25	L				49							
		Ц			\perp	50	5.P	L				50	Ш		\sqcup				
	ĺ					51	27					51							
	*					52	85				_	52	•		1		V		
	3.5 IN	П		ΑO	ı	53	29	A	L	ΑD	3	53	30		70		9		
OPEN		П		ΑO	ı	54													
1		П		4		55	Г	Г								Π			
		П				56													
						57										Ī			
		\sqcap				58		T											
<u> </u>		TT				59													
_		H				P0							1						
_	†	TT				61		1					T			T			
+	†	$\dagger \dagger$	\neg	\vdash	-			t					t			T			
+	†	+	-		\vdash	P3	+-	t				<u> </u>	\vdash			+			
OPEN	 	Al	_	A	1	64	+-	+		\vdash			╁		 	\vdash		 	
A3184	1	1 ~ -					Ь	_		Ь		L	<u></u>		Ь			L	PRINTED IN U

CONTROL DAT	A						DE IDENT 5920	SHEET 6			LW		DOCUMENT NO.	
SUBJECT TERM		ORIGIN					DESTINATION			TYPE - WIRE			ADD OR	
	LENGTH	СН	SSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE	FIND CO	COLOR	ECO NUMBER	DELETE
OPEN		A]		A 01	65									
À		1		4	66									
					67									
					68									
1					69									
OPEN					70									
RESERVE FOR₄+18V					71									
V					72									
OPEN		П			73									
OPEN					74									
RESERVE FOR18V					75									
v					7Ь									
BUZED GND					77									
A					78									
1					79									
BUZED GND		AOL		80										
	3 IN			A 02	٩	30	Al	A 03	9	30	10	9		
	3 IN	Ī		A02	70	31	Al	A 03	10	30	70	٩		
	3 IN	A	ı	A 0.2	11	32	Al	EDA	11	30	10	9	l	

ONTROL DA	ATA .					S920	SHEET	7		LW	P1399	ENT NO. 7400	REV.
SUBJECT			ORIGIN			DES	TINATIO	4	TYP	'E - W	IRE		ADD
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE	FIND NO	COLOR	ECO NUMBER	OR DELETE
	3 IN	Αl	A D2	75	33	Αŀ	E 0 A	15	30	10	٩		
	1	1	A	13	34	1	•	13	4		1		
				14	35			1.4					
	T +			1.5	3P		ý	1,5	1	•	•		
	3 IN	П		16	37	Al	E D A	1.6	30	70	٩		
OPEN				17									
	3 IN			18	38	Αl	EDA	7.8	30	10	9		
	1			19	39	1		19	4	4	4		
				50	40			50					
				51	41			51					
				22	42			22					
				23	43			23					
				24	44	1		24			1		
	3 IN			45	45	Αl	E D A	45	30	10	9		
OPEN				47						-			
A				48									
				49									
				50									
†		1		51									
OPEN		ΑЪ	A 02	52									

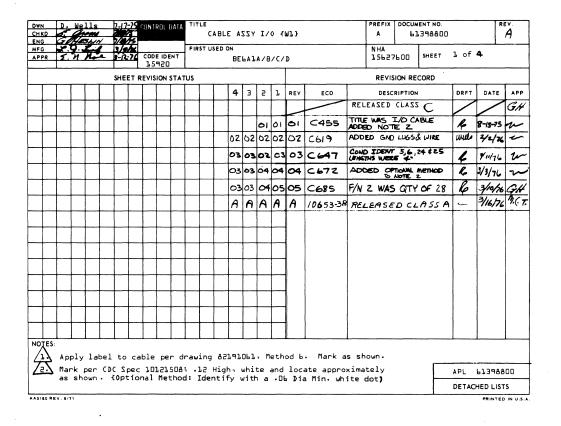
CONTROL DA	TA					DE IDENT 15920	SHEET	ГВ		LW	PDC0W	MENT NO. 9400	REV.
SUBJECT		-	ORIGIN			DES	TINATIO	N	TYP	E – WI	RE		ADD OR
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE	-	COLOR	ECO NUMBER	DELETE
OPEN		Al.	A 02	53									
1		1		54									
				55									
				5b									
				57									
				58									
	ĺ			59									
				PO									
				Ьľ									
				P5									
				63	Ī								
				64									
				Ь5									
				66									
				Ь7									
				68									
1				69									
OPEN				70									
RESERVE FOR		1		71									
+180		Al	A 0 2	72	†	†		†	1				

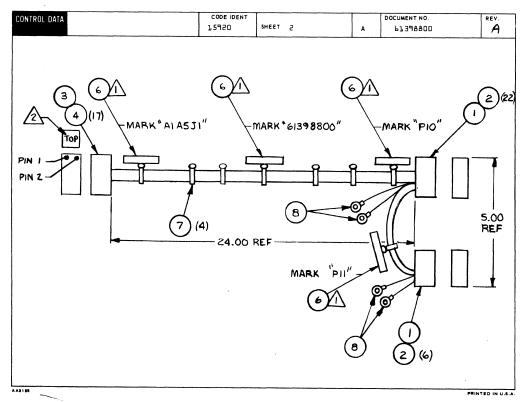
CONTROL DA	IA:					DE IDENT 15920	SHEE	٦ ٩		ιw	P3 39	MENT NO. 9400	REV.
SUBJECT			ORIGIN	_		DES	INATIO	N	TYP	E - WII	E		ADD
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE	C	OLOR	. ECO NUMBER	OR DELETE
OPEN		Αl	A05	73									
OPEN		4	1	74									
RESERVE FOR				75									
-187				7Ь									
BUZED GN				77									
4				78									
•				79		1							
BUZED GN)		A D2	80	\vdash						_		
OPEN			EDA	25	-								
			1	5P	 	\vdash							
\top		\vdash	_	27	 	 			 				
			_	58	 	-							
		H			ļ								
		\vdash		29									
_		\vdash	-	30									
_		H		31									
		<u> </u>	-	35									
				33									
		\sqcup		34									
1			•	35									
OPEN		ΑЪ	ED A	36									

ONTROL DA	ATA				со	DE IDENT 15920	SHEET	10		LW	PE E E	16NT NO. 19400	REV.
SUBJECT			ORIGIN			DES	INATIO	N	TYP	E - WI	RE		ADD OR
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE	(OLOR	ECO NUMBER	DETELE
OPEN		Αl	E 0 A	37									
		4	1	38	İ								
1				39									
1				40									
				41				 					
-				42	t								
	1			43									
+		+-	1	44	 					 			
	 	+		 	<u> </u>			 		+			
+	+	++	-	46	-	ļ				+			
+	 	\vdash	-	54	├	 		 	-	\vdash		<u> </u>	
		++-	\vdash	55	-	-							<u> </u>
	 	+	-	56	\vdash	-		ļ		-			
	 	++	 	57	┼	-		<u> </u>	<u> </u>			 	ļ
-	 	++-		58	┼			ļ		-			
_	-	+	-	59	-	-		-	 	\vdash		!	
	-	++-	+	P0	╂	-		 	 	\vdash		<u> </u>	
	_	+-	\vdash	PJ	↓	 		ļ	<u> </u>	\vdash			
		$\bot \bot$		P5	<u> </u>			ļ	<u> </u>	\sqcup		ļ	
1		1		P3	<u> </u>			ļ		\sqcup			
OPEN		Al	EDA	64		L						l	

62962300 B

CONTROL DAT	Α					DE IDENT 15920	SHEET	11		LW	PDCUM	MENT NO. 9400	REV.
SUBJECT			ORIGIN			DES	OITANI	N	TYP	E – WII	RE		ADD OR
TERM	LENGTH	CHASSIS	ROW	PIN	SORT	CHASSIS	ROW	PIN	SIZE		OLOR	ECO NUMBER	DELETE
OPEN		Al	EDA	6 5	<u> </u>								
4		1	1	66									
				67	<u> </u>								
		igsquare		68		ļ							
<u> </u>				69									
OPEN REZERVE				70		<u> </u>							
FOR				71									
+1 . 4V				72									
OPEN				73									
OPEN				74									
RESERVE FOR				75									
-187				76									
BUZED GND				77									
		 		78	<u> </u>								
<u> </u>				79									
BUZED GND		Al	EDA	80	 				L				
				<u> </u>	1_	 		<u> </u>	ļ	\vdash			ļ
	ļ			<u> </u>	↓_					\vdash			<u> </u>
				<u> </u>	 			<u> </u>	ļ				ļ
		1	1		1	1		1	1	ll		Į	l

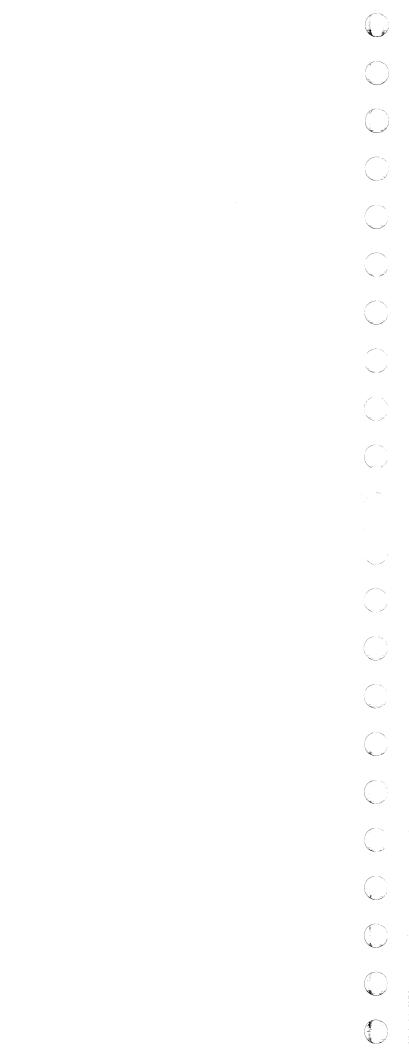




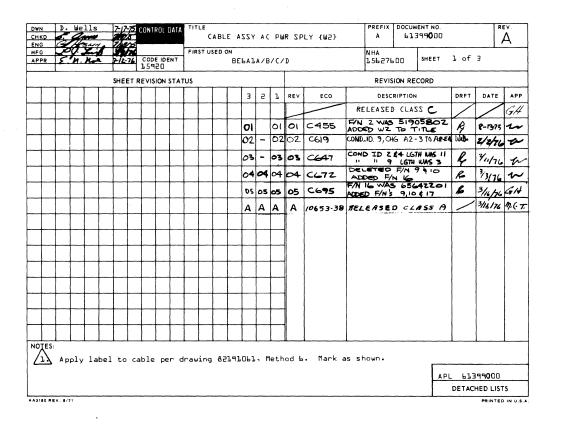
CONTROL DA	TA					CODE IDI 159		SHEET	3		A	OCUMENT NO. REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)		ORIGIN		ACCESS FIND NO.	DESTINAT	TION	ACCES	DEMARKS
ı	5	24	9	24"	P10		2	2	A1 A 5J1	Ь	4	Play
2	5	24	9	4"	•		3	2	Pll	3	2	Printer Data
3	5	24	٩	24"			5	2	Alasjl	5	4	BOT/EOT
4	5	24	9	4"	•			2	Pll	Ь	2	Printer DSR
5	9	50	0	8"	P10	-	7	2	A2	ES	a	(assette GND
Ь	9	20	0	8"	Pll		,	2	5A	E 3	å	Printer GND
7	5	24	9	4"	P10		3	2	Pll	8	2	Printer (o
8	4	1	4	24"	A		,	2	Alasul	7	4	Line/Local
9				24"		1.1	,	2		11	4	Receive (lk
70	П			24"		1.6	:	2		9	4	Ready
11	П			24"	Ī	13	,	2		סנ	4	Record Gap
12	\Box			24"		l	4	2		14	4	Write
7.3				24"		ı	5	2		1.5	4	Write Data
14				24"		1.	ь	2		ı	4	Start Motion
15	Π			24"		ı	7	2		3	4	Forward
16	\sqcap			24"		ı	B	2	ALASJL	4	4	Term Write
17	Π	Π	$\top \top$	4"		ı	9	2:	PLL	19	2	Printer Buff 3/4 Ful
18		Π	$\top \top$	4"		2	0	2	Pll	50	2	Printer Ready
19	•	1		24"	1	5	ı	2	Alasjl	13	4	Read
20	5	24	1 9	24"	Plo	ı ä	2	2	ALASJL	5	4	Sel Unit 2

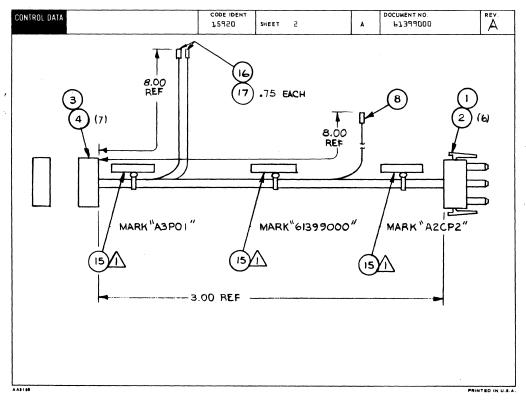
CONTROL DA	TA					CODE 1.5	THADIS	SHEET	4		A D	DCUMENT NO. 61398800	REV.
CONDUCTOR	FIND NO.	GAUGE (REF)		LENGTH (APPROX)	c	RIGIN		ACCESS FIND NO.	DESTINAT	TION	ACCESS FIND NO	DEHADE	
57	5	24	9	24"	P10		53	2	Ala 5	16	4	Times 16 (lk	
22	5	24	9	24 "	P10		24	2	Ala5	1.2	ч	Read Data	
23	5	24	9	24"	P1.0		25	2	Ala5	B	4	Record	
24	9	50	0	8"	6 7 0		l.	5	A2	E5	8	Frame GND	
25	9	50	0	8"	Pll		ı	2	A2	E3	å	Frame GND	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,													
											ļ	<u> </u>	
			ļ								ļ	ļ	
		ļ	ļ				!				ļ		
											ļ		
	ļ			1							<u> </u>		
	ļ	ļ											
	ļ	ļ									<u> </u>		
											<u> </u>		
											ļ		
		<u> </u>								-	ļ		
											ļ		
											ļ		
				1						-	<u> </u>		
3183 REV. 8 7	L								L		<u> </u>		INTED IN

7-181/7-182



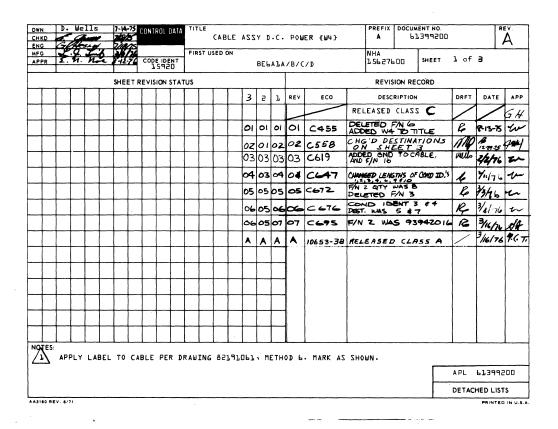
		BUILD ARC				ASSEMBLY PARTS		IST	PRINT D		PAGE	+	CHANGE	NO.
									16	10	,	10653		
660	A	61398800 5		DWG.		DESCRIPTION	MC A	松	STATUS DATE	-	ING. REI		03-6	_
PIND NO	Ļ,		CO IM	QUANTITY	U/M	LE ASSY I/O (W1)	A	MC YLD	ECO. NO. IN	BCO. NO	BEGAL	A/B S/N	WK IN	WK 0
1110	-			- Tonama	+	***************************************			aco. no. in	aco. ne	. 001	•/ N	WX 14	
001	03	53397914	2	2	PC	CONN. FEM 25POSN PLUG ALO	NE	P						
002	01	53397917	5	28	PC	CONTACT. STRIP SKT 20+24G	A	P						
003	01	51863008	2	-1	PC	CONN HSG(DBL ROW) 16 GAVI	TY	P						
004	01	94245602	1	16	PC	CONTACT SOC 24-26AWG STRI	P	P						
005	01	24548310	2	36	FT	WIR 24GA STRD WHT 300V UL	PVC	 						
006	01	94277409	2	4	PC	STRAP CABLE TIE TYPE 6		P						
087	01	94277401	9	4	PC	STRAP CABLE TIE TYPE 1		P						
008	01	51797217	0	•	PC	LUG, CRMP R TERM +22-18GA	105	В						
009	01	93462000	6	1 666	FT	WIR 20GA STRD BLK 300V UL	PVC							
						0009 TOTAL LINES								
		į												
		į												
		į												

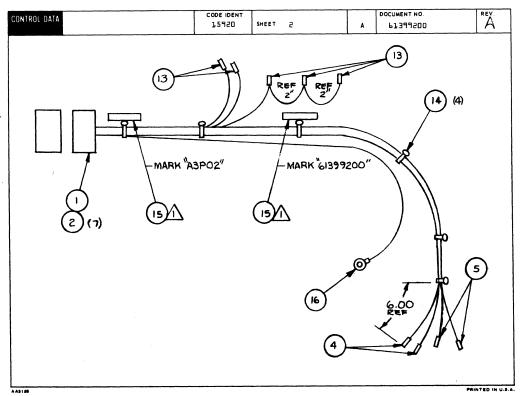




CONTROL DA	TA					1.5920		SHEET	3		A		MENT NO. L39 90 00	A REV
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	C	DRIGIN		ACCESS FIND NO	DESTINATI	ION	ACCE FIND		REMARKS	
ı	7	18	9	3	A 3 P C	11 1		4	A 2CP2	ı	2			
2	9	24	9	18	<u> </u>	1		,	87	ı	26,2	7	FAN	
3	5	18	0	3		2		4	A 2CP2	2	2			
ч	70	24	0	18		2		_	87	2	16-1	7	FAN	
5 ′	11	18	ı	3		3		4	A 2CP2	3	2			
ь	75	18	3	3		4		4	2432A	4	2		LOW SW 50 HZ	
7	13	1.6	a	3		5		4	AZCPZ	5	2	\perp		
8	14	18	4	3		ь	\perp	4	A2CP2	Ь	5		HIGH ZW 50 HZ	_ /
9	Ь	18	5	ā.	OPEA	<u>ı ?</u>	.	4	54	E4	8		FRAM GND	
			-				1			-	 -			
			ļ				+			-	 			
							+			-	+	+		
	ļ ——		 				+			-	┼─	+		
		-					+			+	+	\dashv		
							+			+	†	\dashv	- p	
	-		 				†			+	t	\dashv		
				-			\dagger			1	T	\dashv		
							1			1	1	十		
******		-		†			+			+-	1	\dashv		

									_	PRINT DA	TE	PAGE	FII	E CHANGE N	10.
		BUILD AF	RC	104A		ASSEMBLY PARTS	L	15	T	03-46-		1	/0453	00000	
DIV.	1	ASSEMBLY NUMBER	CD	REY DWG	T	DESCRIPTION	MC		TUS	STATUS DATE	T	ENG. RE		FILE D	vo -
860		61399000	1	37 A	CAB	LE ASSY AC PWR SPLY (WZ)	A	K	15	Q-16-79	6	BE6A1	A/B	03-04	-7
FIND NO	LI	PART NUMBER	CD	M QUANTITY	U/M	PART DESCRIPTION			AFD	ECO. NO. IN	ECO. N	O. OUT	S/N	WK IN	WK O
001	01	5190600	5 7	1	PC	CONN PLUG 12 PIN		ρ							
002	01	51905800	2	6	PC	CONT. PIN 20-14GA .13UINS	STF	R P							
003	01	9409100	7	1	PC	CONN 8 CIRCUIT SKT HOUSIN	G	P				1			
004	01	93943007 62071509		- 7	PC	CONTACT SKT 18 -14 AWG S	TRI	P							
005		9346300	5	2	50 FT	WIR 18GA STRD BLK 300V UL	PV	C W							
006	01		İ		66 FT	WIR 186A STRO GRN 300W HL	PVC	C W							
007	-	93463999	!			WIR 186A STRD WHT 300V UL				į					
008	-	51797211	-	_		LUG, FRMP R TFRM +22-189A									
011		93463111	1		-	WIR 18GA STRD BRN 300V UL		11		-					
012		93463333 93463888			- 1	WIR 18GA STRD ORN 300V UL									
014	-	93463444				WIR 18GA STRD GRY 3000 UL									
015	-	94277409	į			STRAP CABLE TIE TYPE 6		P							
016			•	1		CORD ASSY FAN 1864 24-50	IN.	م	_						
>16	01	937 4 7009		2	PC	0014 TOTAL LINES	wg -								
77	וכ	24534710	9	12	5 F7	INS SLEEVE 76 BLACE	٤.								
207	01	24 5 483 10	2	150	e FY	WIR 24 GA STED WHT									
				: 1											
	-	24548301	11	1 54	OFT	WIR 24 GA STRD BLK		1 1	- 1	1		1		1 1	





COMMENT SHEET

CITY:		STATE:_		ZIP CODE:		
STREET ADDRESS:			,			
COMPANY:	при при при при при при при при при при	especial contraction of the cont				·
NAME:						
PUBLICATION NO.:	62962300		REVISION:	G		
MANUAL TITLE: 751	-10 Terminal	Subsystem, V	olume 1 of 2, h	Hardware	Maintenanc	e Manuo

This form is not intended to be used as an order blank. Control Data Corporation welcomes your evaluation of this manual. Please indicate any errors, suggested additions or deletions, or general comments below (please include page number references).

CUT ALONG LINE

REV 4/79 PRINTED IN 11 S.

FOLD

FOLD

CUT ALONG LINE



NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS

PERMIT NO. 8241

MINNEAPOLIS, MINN.

POSTAGE WILL BE PAID BY

CONTROL DATA CORPORATION

Technical Publications Department

2401 North Fairview Avenue

St. Paul, Minnesota 55113



FOLD

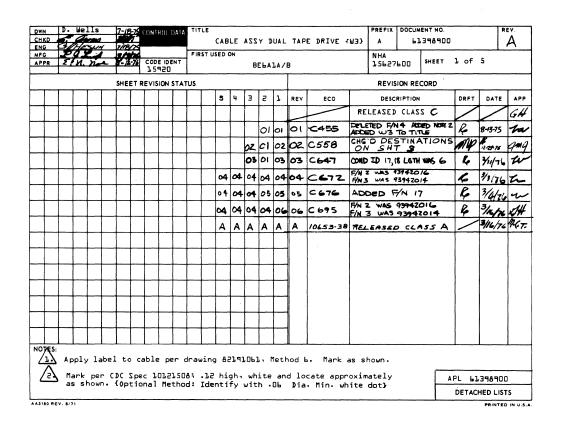
FOLD

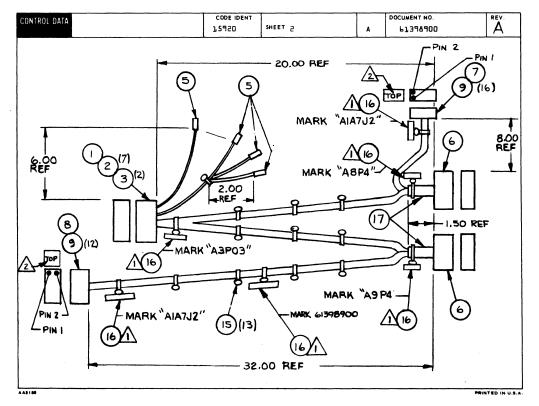
03377

CONTROL DA	TA				С	0DE IDEN1 05920	SHEET	3		A	LUMENT NO. REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)	COLOR (REF.)	LENGTH (APPROX)	ORIGIN	l	ACCESS FIND NO	DESTINA	TION	ACCESS FIND NO	REMARKS
l.	B	18	2	20"	S09E A	ı	2	Al	Εľ	4	Logic +5
2	15	24	2	8"	SOPEA	5	2	A4	L9	13	LED +5
3	9	50	3	20"	S09E A	Ь	2	Ala 5	6	5	Logic +12
ч	10	50	7	20"	S09E A	В	2	Ala5	8	5	Logic -12
5	7	18	0	18"	A 3P02	70	2	Αl	E 2	4	Logic Gnd
Ь	11	24	0	8"	A 3P02	11	2	52	ı	1.3	Double crimp cond *9
7	11	24	0	2"	27	ľ	1.3	25	ľ	T -	1 Switch Gnd
8	ll.	24	0	2"	2.7	7	-	23	L	13	1 Switch Gnd
9	ЪЪ	24	0	8"	A3P02	11	-	A4	L 7	13	l Power On Ind.
10	7	18	0	24"	A3P02	75	2	<u> </u>	T		LOGIC TO FRAME

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											

	BUILD ARC A104	-	ASSEMBLY PARTS	L	191	03-18-76	1	
DIV.	ASSEMBLY NUMBER CD REV	DWG.	DESCRIPTION	MC	STATUS	STATUS DATE	ENG. RESP.	FILE DATE
	61399200 7	+			#	03-10-75	BE6A1A/B	03-46-76
FIND NO LI		QUANTITY U/	BLE ASSY DC POWER (W4)		MC YLD		O. NO. OUT S/N	WK IN WK O
TIND NO. LT		TO ALLEN	7.3.1 233331100		\Box			-
001 01	93948002 6	1 P	C CONNECTOR 12 PIN HOUSING		P			
002 01	93942016 2	7 P	C CONTACT PIN 22-18 GA STRI	P	P			
302 37	62021400 7				11 1			
004 01	17973615 2	2 P	C TERM CRMP TYPE INSUL 18-1	4	P			
005 01	94245607 0	2 P	C CONTACT SOC 20-22AWG STRI	Ρ	P			
- -								
007 01	93463000 5	3 500 F	T WIR 18GA STRD BLK 300V UL	PVC	"	ŀ		
008 01	93463222 5	1 666 F	T WIR 18GA STRD RED 300V UL	PVC	w			4.0
]				ĺ		
009 01	93462333 1	1 000 F	T WIR 20GA STRD ORN 300V UL	PV	"			
010 01	93462777 9	1 666 F	T WIR 20GA STRD VLT 300V UL	PVC	W			
011 01	24548301 1		T WIR 24GA STRD BLK 300V HL	DVC				
011 01	24348301 1	1 000 F	WIR 2408 SIND BER 3004 HE	P * (1 7			
012 01	24548303 7	666 F	T WIR 24GA STRD RED 300V UL	PVC	W			
013 01	51654700 7	5 P	C CONTACT RECPT ELEC 24-20	AWG	P	i		
		-						
014 01	94277401 9	4 P	C STRAP CABLE TIE TYPE 1		P			
015 01	94277409 2	2 P	C STRAP CABLE TIE TYPE 6		P			
	1 ! 1							
016 01	51797217 0	1 P	C LUG. CRMP R TERM +22-189A	105	8			
			0014 TOTAL LINES					
						i		
	1	1 1	1					





CONTROL DA	TA							E IDENT	SHEET	3	ļ	w A	DOC	MENT NO. 61398900	A
CONDUCTOR	FIND NO.	GAU (REI			LENGTH (APPROX)		ORIGIN		ACCESS FIND NO	DESTINA	TION	ACC FIND		, REMARKS	
ı	11	24		2	20'	ABP	03	ı	2	A 8 P 4	50	SOL	DER	1 +5	
2	11	4		2	20"	4		Ъ	•	ABP4	55			1 +5	
3	11			2	20"			2	2	A TP4	50			2 +5	
4	11			5	20"			2	-	A 9.24	55			2 +5	
5	75			3	20"			Ь	5	A 8 P4	53			7 +75	
Ь	75			3	20"			Ь	•	A 8 P4	24			1 +15	
7	75			3	20"			7	5	A 9P4	23			5 +15	
B	15			3	20"			7	-	A 9P4	24			5 +75	
٩	13			7	20 "			8	3	A 8 P4	13			1 -15	
70	13			.7	20"			٩	3	A 9 P4	73			2 -12	
rr	70			0	20"			10	2	ABP4	11			1 GND	
15	10			0	20"			70	-	A 8 P4	75			1 GND	
13	10			0	20"	•		11	5	A 9 P4	ъı			2 GND	
14	70			0	20"	ABPO	13	ıı	-	A 9 P4	15	ZOLD	ER	S GND	
15	70			0	2"	24		ı	5	2P	ı	5		SWITCH GND	
16	70			0	5"	24		ı	-	2.5	L	5		ZWITCH GND	
17	1 0			0	8"	A 3 P O	3	75	5	2.5	ΕЪ	-		ZWITCH GND	
18	10			0	8"	A3PO	3	1 5	-	A4	EЬ	5		2 POWER ON	IND
19	14		•	٩	2"	A8P4		ı	SOLDER	A 8 P4	14	ZOLD	ER	1 LICL-INT	•
20	14	i	14	9	8"	Ala7	J1	3	9	A 8 P4	ъa	ZOLD	ER	0 D/40TZ	

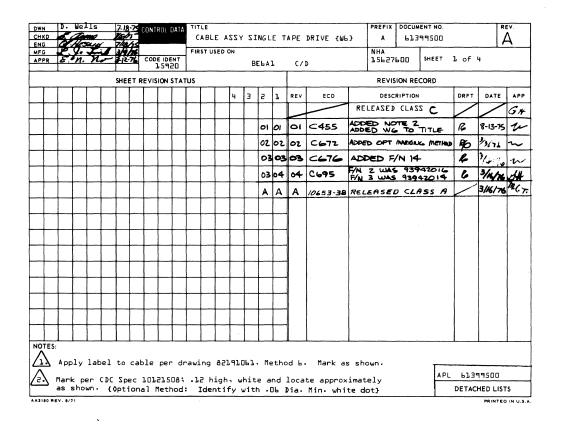
CONTROL DA	\TA					259a		SHEET	4				CUMENT NO. REV 61398900 A
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	C	ORIGIN		ACCESS FIND NO.	D	ESTINATION		ACCESS FIND NO.	REMARKS
51	14	24	9	a"	Ala7	J1 4	1	9	ABF	4	19	SOLDER	FORWARD/REV
25	4	•	1	4	4	5		4	4		Ь	4	SLOW/FAST
23						Ь					17		WRITE SELECT
24						7					7		READ ENABLE
25						8					2		WRITE DATA
SP						9					51		READ DATA
27			TT			10					٩		READ DATA
28	\Box					1.1	,				4		BOT/EOT
29	H	T				ъã					5		READY
30	Ħ	TT	$\top \top$	\		1.3	3		1	1	1,5		WRITE PROTECT
37	Ħ			ā"	Ala7)		٩	AAP	4	16		SIDE A/B
35	\sqcap			2"	A 9 P4	1		SOLDER	APP	4	14		S LICL-INT
33	$\dagger \dagger$		$\top \top$	32"	Ala7	12 4		٩			18		STOP/G0
34	H			1	4		;	1			19		FORWARD/REV
35	$\dagger \dagger$		$\top \top$			6					Ь		SLOW/FAST
36	TT	+	\top	TT		7	,				17		WRITE SELECT
37	$\dagger \dagger$	+ +	$\top \top$	TT		+	,				7		READ ENABLE
38	$\dagger \dagger$		11			-	,				2		WRITE DATA
39	$\dagger 1$	+ 🗼	1			10)		,		57		READ DATA
40	14	24	1 9	32"	ALA7	2 11		9	APF	4	٩	SOLDER	READ DATA

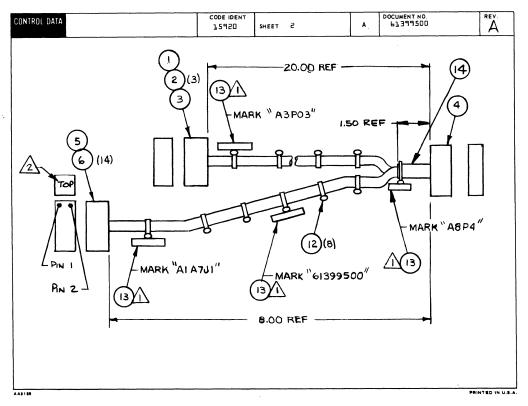
7-189/7-190



CONTROL DA	TA						E IDENT 5920	SHEET	5		A		MENT NO. -1398900	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	(RIGIN		ACCESS FIND NO.	DESTINAT	TION	ACCE:	- 1	REMARKS	
41	14	24	9	32"	ALA7	12	1.2	9	A 9.P4	ч	ZOLD	ER	BOT/EOT	
42	1	1	4				13	4 -	4	5	1		READY	
43	+	•	•	1			34	1	<u> </u>	1.5	†		WRITE PROTECT	
44	14	24	9	32"	Ala7	12	1,5	9	A 9P4	16	ZOLD	ER	B\A 3GIZ	
					١									
	!													
the same of the sa														

				_					PRINT DAT	re .	PAGE	FIL	CHANGE	NO.
		BUILD AR	C 1	04 A	-	ASSEMBLY PARTS	L	IST	08-14-7		1	W 52	9000	3447
DIV.	1	ASSEMBLY NUMBER				DESCRIPTION	MC	STATUS	STATUS DATE	I	ENG. RE	17.	-	盃
860	L	61398900	3	5 A	CABL	E ASSY DUAL TP DR (W3)	A	M##	03-16-76		E6A1	A/B	03-1	-76
FIND NO	LI .	PART NUMBER	CD M	QUANTITY	U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO	. OUT	S/N	WK IN	WK O
001	01	93948002	6	1	PC	CONNECTOR 12 PIN HOUSENG		P						70
992	01	93943016	-	7	PC	CONTACT SKT 22 -18 AWG 10	SE	P						1
003	01	93943014	16	2	PC	CONTACT SKT 30 -22 AWG L	UP DOSE	P						ĺ
005	01	51654700		- 4	PC	CONTACT RECPT ELEC 24-20	WG	Р						1
006	01	24548802	8	2	PC	CONN PLUG 24CONTACT RECT	.ock	P						ĺ
007	01	51863007	4	1	PC	CONN HSG (DBL ROW) 14 LAVI	ГҮ	P						1
008	01	51863008	2	1	PC	CONN HSG(DBL ROW) 16 GAVI	ГҮ	P						ĺ
009	01	94245602	1	28	PC	CONTACT SOC 24-26AWG STRIE	•	P						ĺ
010	01	24548301	1		3 FT	WIR 24GA STRD BLK 300V UL	PVC	w						ĺ
011	01	24548303	7	6 66	5 FT	WIR 24GA STRD RED 300V UL	PVC	w						
012	01	24548304	5	6 66	5 FT	WIR 24GA STRD ORN 300V UL	PVC	w						ĺ
013	01	24548308	6	3 33	3 FT	WIR 24GA STRD V10 300V UL	PVC	w						
014	01	24548310	2	40 33	3 FT	WIR 24GA STRD WHT 300V UL	PVC	w						
015	01	94277401	9	13	PC	STRAP CABLE TIE TYPE I		P						
016	01	94277409	2	6	PC	STRAP CABLE TIE TYPE .		P						
						0015 TOTAL LINES								
017	01	14500400			-									
		24528637	2	250	FT	TUBING INS SZ# BLAC	^							
002	01	62021400	7	7	PC	CONTACT PIN ZZ-IE ANG BI	MS							
003	ы	62021422	1	2	PC.	CONTRACT PIN 22-30 AWG ST	LIP.							

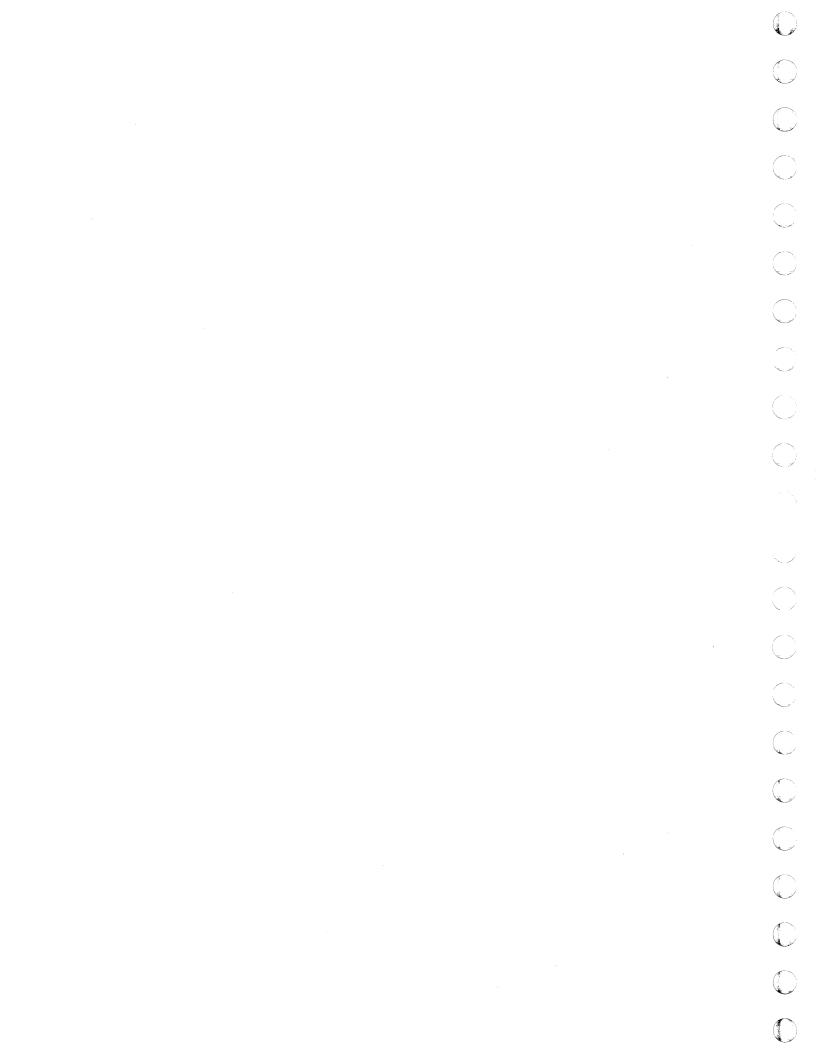




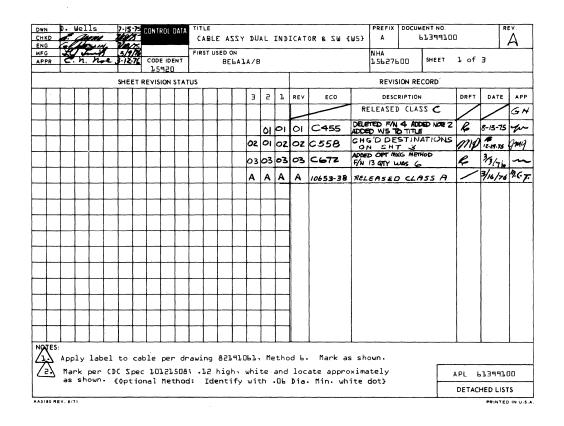
CONTROL DA	TA	·	-			15920	SHEET	3		A :,		REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)	1	LENGTH (APPROX)	C	DRIGIN	ACCESS FIND NO.	DESTINA	ATION	ACCE FIND	DEMARKS	
l	ъ	24	2	20"	A 3PO	3 1	2	A 8P4	50	SOLDE	ER +5	
2	В	1	2		1	ı		A 8 P4	22		+5	
3	9		3			ь	2	A 8P4	53		+15	
4	9_	\Box	3			Ь	-	A BP4	24		+15	
5	םו		7			8	3	ABP4	13		-15	
Ь	7_		0			10	2	ABP4	1.1	1	GND	
7	7	24	0	20"	A3P0	10	-	A BP4	7.5	SOLDE	ER GND	
			ļ				!					
			-				+			-		
			-				 			ļ		
			-				 			ļ		
			-				-		-	4		
										 		
							-		_	-		
							 			-		
							-		_	 		
			-				_			-		
			-	 			-			-		
183 REV. 8/71			L					L			PRINTE	

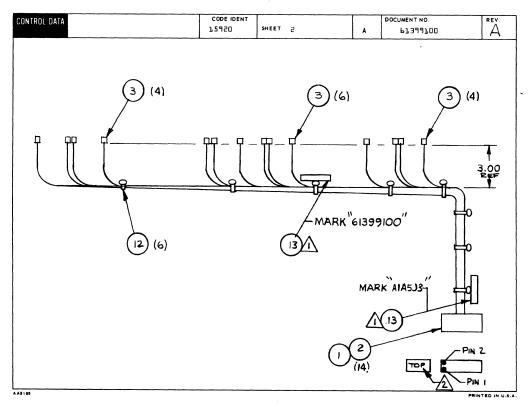
CONTROL DA	TA					15920		ц		4 ₁	OCUMENT NO. 61399500	REV
CONDUCTOR IDENT.	FIND NO	GAUGE (REF.)	1	LENGTH (APPROX)	(DRIGIN	ACCESS FIND NO.	DESTINA	TION	ACCES:	DEMARKS	
B	11	24	9	2"	ABP4	ı	SOLDER	<u> А</u> ВР4	14	ZOLDE	R LICL-INT	
9	1	4	1	8"	Ala7	J 1. 3	9	4	1.8	1	STOP/GO	
10				4	4	ч	1		19		FORWARD/REV	
ll.						5			Ь		SLOW/FAST	
15						Ь			17		WRITE SELECT	
13						7			7		READ ENABLE	
14						B			2		WRITE DATA	
1.5						٩			57		READ DATA	
16		П				10			9		READ DATA	
17						11	1 1		4		BOT/EOT	
18						15			5		READY	
19	*		1	¥	¥	13		•	1.5	1	WRITE PROTECT	
50	11	24	٩	8"	Ala7	11 14	9	A & P4	16	ZOLDE	R SIDE A/B	
		-								ļ		
		<u> </u>					+		+	+		
				ļ			1					
										1		

62962300 B



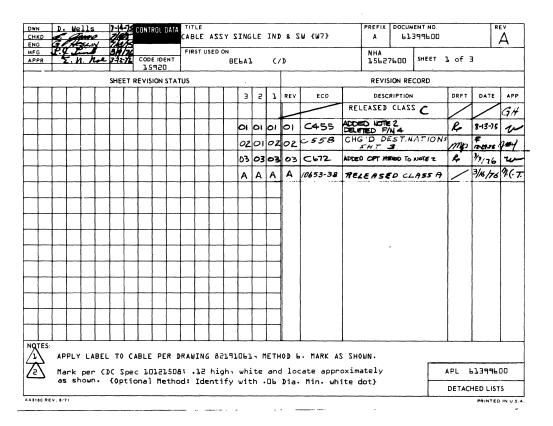
									PRINT DA	TE PAG		LE CHANGE NO.
		BUILD A	۹c,	104		ASSEMBLY PARTS	i L	IST	03-06-7			2000007E
DIV.	Τ,		_	REV. DWG.		DESCRIPTION	MC	STATUS	STATUS DATE	ENG.		FILE DATE
0860	Ť	61399500			CAR	LE ASSY SINGLE TP DR (W6)	A	75t	03-14-76	-	IC/D	03-06-76
FIND NO	LI	PART NUMBER	CD		U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN WK OL
001	01	9394800	2 6	1	PC	CONNECTOR 12 PIN HOUSING		P				
002	01	93942014	. 2	_ 3	PC	CONTACT PIN 22-18 GA STRI	P	P				
	01	6202140	7	1	-	CONTACT PIN 30-22 STRIP		P				
	01	6702 1472	\Box	-		CONN PLUG 24CONTACT RECT						
	-	5186300		- 1	-			P				
006	01	9424560	1	1		CONN HSG(DBL ROW) 14 CAVI		P				
	01		1	14		CONTACT SOC 24-26AWG STRI						
007	-	2454830				WIR 24GA STRD BLK 300V UL						and the state of
008	01	_	1			WIR 24GA STRD RED 300V UL						
009	01	24548304	1 1	3 33	FT	WIR 24GA STRD ORN 300V UL	PVC				1	
010	01	2454830	6	1 66	FT	WIR 24GA STRD V10 300V IIL	PVC	W .				
011	01	2454831	5	8 16	FT	WIR 24GA STRD WHT 300V UL	PVC					
015	01	9427740	1 9	8	PC	STRAP CABLE TIE TYPE I		P			İ	
013	01	9427740	9 2	4	PC	STRAP CABLE TIE TYPE 6		P				
						0013 TOTAL LINES						
>14	01	2 45 28637	2	155	FT	Tubing INS SZ - BLA	K					
İ									!			
-												

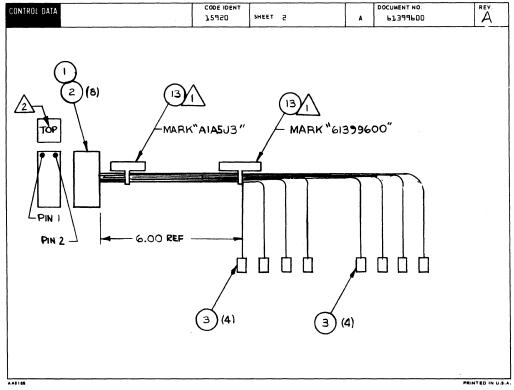




CONTROL DA	TA							TRADI B	SHEET	3		A D	OCUMENT NO. 61399100	REV
CONDUCTOR	FIND NO.		UGE EF.)		LENGTH (APPROX)		ORIGIN		ACCESS FIND NO	DESTINAT	ION	ACCES!	DEMARKS	
ı	٩	2	4	5	16"	Ala:	5J3	ı	2	АЧ	f1	3	Tape Out #1	
5	8	4		4	14"	- 1		2	2	£2	3	3	Unload 4	
3	70			ь	16.5			3	2	A4	L8	3	Ready #1	
4	5	Ц		ı	.a. s			ч	2	25	2	3	Line/Local #1	
5	11			7	LE. 5			5	2	A4	La	3	Read	
ь	Ь	Ц		3	13"			ь	2	27	5	3	Play 📆	
7	5	Ц		ı.	17"			7	2	A4	L3	3	Write	
8	7			3	13"			В	2	27	3	3	Record *1	
9	77	Ц		7	24"	.		. 9	2	ZP	3	3	Unload #2	
70	70	Ц		6	23"			10	2	24	3	3	Record #2	
11	ь			2	18"			11		A4	L4	3	Tape Out \$2	
15	9	Ц		5	23"			15	5	5 4	2	3	Play#2	
13	7	1		3	18.5			13	5	A4	L5	3	Ready #2	
14	8	24	-	4	23.5	Al A5	13	14	2	2.5	2	3	Line/Local#2	
		-				<u> </u>	****					 		
		_										 		
		-			-						+	-		

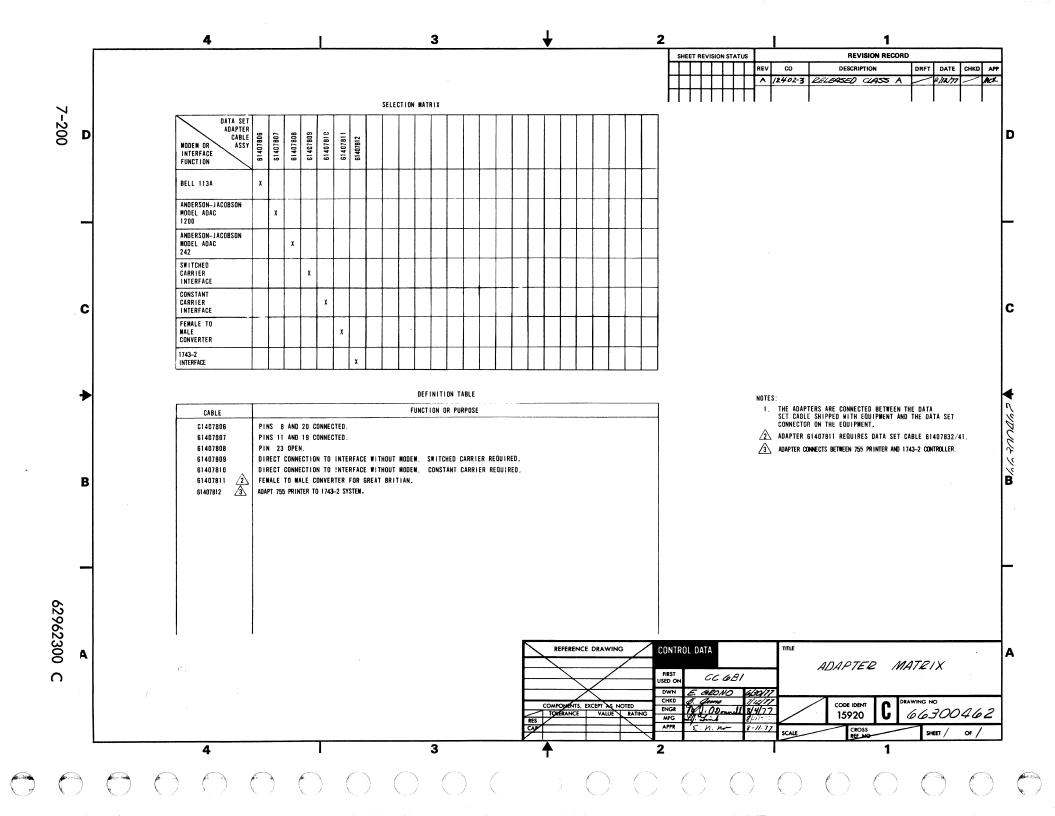
												_	PRINT DA	TE	PAGE	FILE	CHANGE	NO.
		BUILD AF	₹C	104			ASSEMBLY	PA	RTS	LI	5	Г	03-48-7		1	104.53	-33**	9672
DIV.	1	SSEMBLY NUMBER	CD	REV. DV	NG.		DESCRIPTION		T	MC	STAT	US	STATUS DATE	T	ENG. RES	P.	FILE D	ATE
0860		61399100					LE ASSY DUAL IND	+ SW	(W5)	A	4		03-16-76	6	BE6A1	A/B	03-	- 70
FIND NO	u	PART NUMBER	CD	M QUAN	TITY	U/M	PART DESC	EIPTION			MC	YLD	ECO. NO. IN	ECO. NO	. OUT	S/N	WK IN	MK C
001	01	51863007	4	1		PC	CONN HSG (DBL RO	W) 14	CAVIT	Y	P							
002	01	94245602	2 1	14		PC	CONTACT SOC 24-	26AWG	STRIP		P							
003	01	51654700	7	14		PC	CONTACT RECPT E	LEC 24	-20 A	WG	P							
005	01	24548302	9	2	450	FT	WIR 24GA STRD B	RN 300	V UL	PVC	w							
006	0 1	24548303	7	2	580	FT	WIR 24GA STHD R	ED 300	V UL	PVC	w							
007	01	24548304	5	2	620	FT	WIR 24GA STRD 0	RN 300	V UL	PVC	*							
908	01	24548305	2	3	083	FT	WIR 24GA STRD Y	EL 300	V UL	PVC	*							
009	0]	24548300	0	3	250	FT	WIR 24GA STRD G	RN 300	V UL	PVC	٧							
010	01	24548301	8	3	290	FT	WIR 24GA STRD B	LU 300	V UL	PVC	w							
011	01	24548308	6	3	370	FT	WIR 24GA STRD V	10 300	V IIL	PVC	W						İ	
012		94277401		- 1		PC	STRAP CABLE TIE	TYPE	1		P							
013	01	94277409	2	S		PC	STRAP CABLE TIE		6		P							
			-				0012 TOTAL LINE	5			l							
												İ						
			!								1							

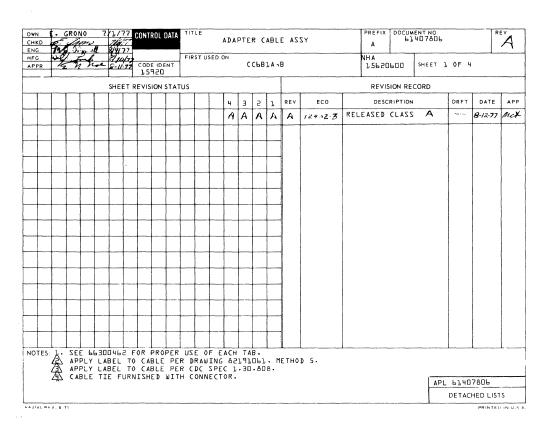


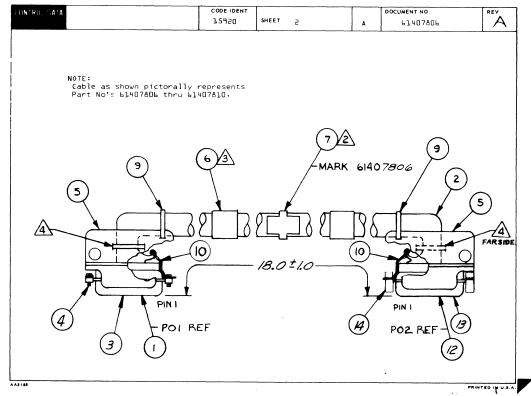


CONTROL DA	TA					CODE IDENT	SHEET	3			CUMENT NO.	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	OF	RIGIN	ACCESS FIND NO.	DESTIN	IATION	ACCESS FIND NO	DEHARKS	
3,	5	24	ı	Jb"	A] ASJ	3 1	2	A4	Ll	3	Tape Out	
2	Ь	24	2	14"	A], A5 J	3 5	2	ΕZ	3	3	Unload	
3	7	24	3	ւե.5"	Ala5J3	3	5	Α4	LB	3	Ready	
ч	8	24	ч	12.5"	Alasj:	3 4	2	52	2	3	Line Local	
5	٩	24	5	Lb.5"	Ala5J	5	2	A4	La	3	Read	
6	10	24	ь	13"	Ala5J	з 6	5	2.7	5	3	Play	
7	11	24	7	17"	Ala5J3	7	5	A4	L3	3	Write	
8	15	24	9	13"	Ala5J	3 B	2	7.7	3	3	Record	
										<u> </u>		
							-					
						-				 		
										-		

																1	1		
		BUILD AF	ıc	104		AS	SFI	MBL	YE	AE	TE		IST	03-43-		PAGE	FIL	E CHANGE	NO.
DIV.	٠.		CO			~3		PESCRIPTIO		7	713				' 6	1	1065	3 .°38°	COTE
860	+	61399600	-+	(1)	-							MC	BEL	STATUS DATE		ENG. RES		FILE D	
NDNO	<u></u>	PART NUMBER	CO				55Y	SGL II	DESCRIPTI		17)	A	MC YLD	03-16-7	ECO. NO	BE6A1		03-4	
	-		†	T -	1 10/	+		FARI	DESCRIPTION				MC TLD	ECO. NO. IN	ECO. NO	3. 001	S/N	WK IN	WK O
001	01	51863007	•	1	P	CON	N HS	G (DBL	ROW)	14 (LAVI	TY	P			ĺ			
002	01	94245602	1	8	P	CON	TACT	soc a	24-26	AWG S	STRI	P	P						
003	01	51654700	7	8	P	CON	TACT	RECP	T ELE	C 24	2 0	AWG	P						
005	01	24548302	9	1 3	333 F	WIR	246	A STRE	D BRN	300	/ UL	PVC							
006	01	24548303	7	1 1	166 F	T WIR	246	A STR	D RED	300	UL	PVC							
007	01	24548304	5	1 3	375 F	T WIR	246	A STR	D ORN	300	UL	PVC							
800	01	24548305	2	1 0	041 F	T WIR	24G	A STR	D YEL	300	UL	PVC							
9	01	24548306	0	1 3	375 F	T WIR	246	A STRE	D GRN	3001	/ UL	PVC	W						
010	01	24548307	8	1 0	083 F	TWIR	246	A STRE	D BLU	300	/ UL	PVC							
111	01	24548308	6	1 4	16 F	WIR	246	A STRE	D V10	3004	UL	PVC	W						
012	01	24548310	5	1 0)83 F	T WIR	246	A STR	D WHT	3001	UL	PVC	W						
13	01	94277409	5	2	P	STR	AP C	ABLE 1	TTE T	YPE 6	•		P						
					l	001	> TO	TAL L	INES										
- 1																			



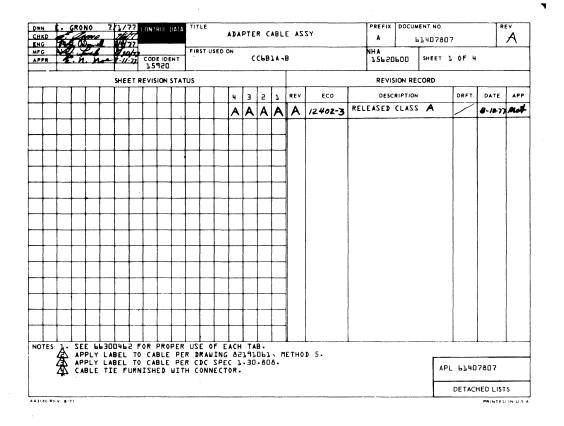


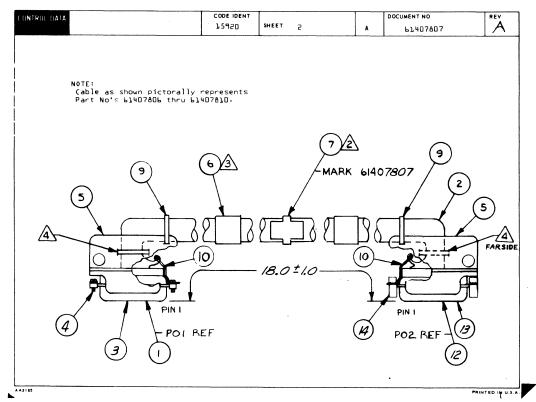


ONTROC DA	TA							E IDENT 920	SHEET	3			WL.	DOC	UMENT NO. 61407806	REV
CONDUCTOR	FIND NO.	GAUGE (REF.)	COLOR (REF.)		GTH ROX)		ORIGIN		ACCESS FIND NO		DESTINATI	ON	ACC FIND		REMARKS	
1	2	22	BARE	18		P01	I		3,8,10 IP 11	P	02	OJ C	Br E IP	-10 11	Solder bare drai with sleeving to Solder black wir	n wire gnd cl
2	1	24	٥			1		02	33	4	1	02	3		Solder black wir Pin 1 to gnd cli	e from p.
3		24	9					03	3			03	3			
4		24	2					04	3			04	3			
5		24	5					05	3			05	3			
6		26	90					06	3			06	3			
7	5	26	91	1.8	5			07	3	P	15	07	3			
9	5 70	5P 5P	9 92	3 1.8	}		1	08 08	3	P1 P1		08 80	3			
10 11	4	5P 5P	905 93					20 90	3		1	20	3			
75		26	94					10	3			10	3			
13		26	95					11	3			11	3			
14		26	96					12	3			12	3			
1.5		26	97					13	3			13	3			
16 .		26	98					14	3			14	3			
17		26	900					15	3			15	3			
1.8		26	901					16	3			16	3		`.	
ኒዓ		26	902					17	3			17	3			
20		26	903					18	3			18	3			
51	2	26	904	18		POI		19	3	PC	2	19	3			
													ı			

ONTRO: DA	1Α.					159	E IDENT	SHEET	4		WL	DOC	UMENT NO. 61407806	A
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)		LENGTH (APPROX) IN.	(ORIGIN		ACCESS FIND NO	DES	FINATION	ACC FINE	ESS	REMARKS	
22	2	26	906	1.6	P01		21	3	P02	21	3			
23	A	26	907	1	1		22	3	4	22	3			
24		26	908				23	3		23	3			
25		26	910	1			24	3	1	24	3			
SP	2	26	911	18	P01		25	3	P02	25	3			
			-										*	
							a m a nagambon.				1			
													!	
											1			
											1			
				1										

		BUILD ARC	10	4			ASSEMBLY PARTS	L	IST	1	UB-15-7		PAGE	FI	U1240	NO.
DIV	T .	SSEMBLY NUMBER ! CD	REV	. DW	vG.		DESCRIPTION	MC	STATUS		STATUS DATE	т	ENG. RE	\$	FILE C	ATF
0860	†	61407806 1	A		_	ADAI	TER CABLE ASSY	A	REL	+	08-12-77			***	08-15	
FIND NO	и	PART NUMBER C	P M	QUAN	TITY	U/M	PART DESCRIPTION		MC YLD	,	ECO. NO. IN	ECO. NO	. OUT	S/N	WK IN	WK C
001	01	53397814	•	1		PC	CONN. MALE 25POSN PLUG ALC	DNE	P							
002	01	51908500	5	1	500	FT	CBL. SMLD FIG 1 25 CNUCT 3	300V	w							
003	01	53397817	,	25		PC	CONTACT, STRIP PINS 20-240	3A	P	l						
004	01	94288021	2	5		PC	LKG DEVICE, CONNECTOR TYP	3M	P		1					
005	01	51908402	·	5		PC	CONN HOOD430/.390 CHL (PIA	P							
006	01	10123821	,	5		PC	LABEL. CHL MK (CDC 12 RVL)	PS)	8							
007	01	94277407	•	1		PC	STRAP CARLE TIE TYPE 4		В							
008	01	24528606	'		5.0	FT	TBG. INSUL NO.17 ALK UL PI	/C	8							
009	01	94277400	ı	2		PC	STRAP CARLE TIE TYPE 1		8							
010	01	71491967	7	5		PC	CLIP, GROUND (COPPER/TIN 6) (J	Ρ							
011	01	24548301	1		100	FT	FIR 24GA STRD BLK 300V UL	PVC	w		ļ					
012	01	53397914	2	1		PC	CONN, FEM 25POSN PLUG ALOR	٧E	Р		İ					
013	01	53397917	•	25		PC	CONTACT. STRIP SKT 20-246	•	P							
014	01	94288024	5	5		PC	LKG DEVICE, CONN TYP 4 W/	ryp3	P							
015	01	66300462	,	REF		PC	ADAPTER MATRIX		0							
016	01	18563109	1		2=0	FT	WIRE 26 GA THIN WALL INS	300V	w		ļ					
							CO16 TOTAL LINES									
	İ										İ					
						1										1



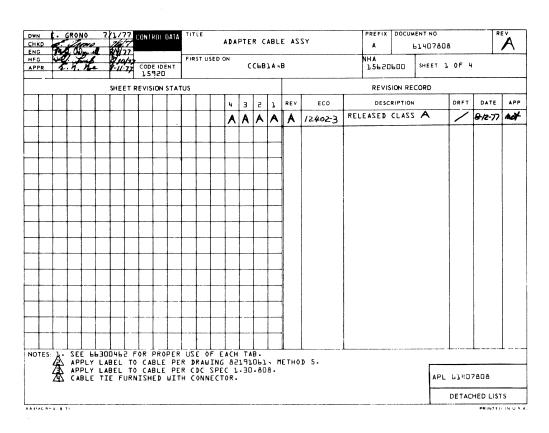


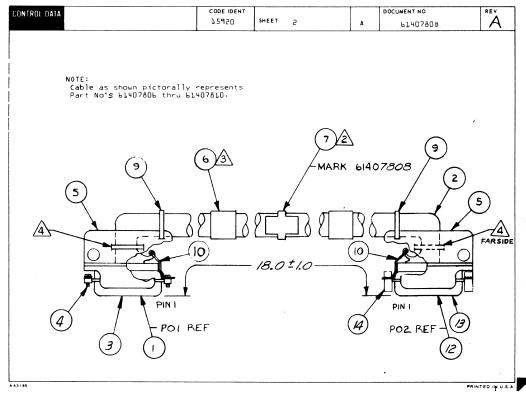
Mini, M	41					15920	SHEE	' з		WL DC	CUMENT NO. 61407807	REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)	1	LENGTH (APPROX) IN		RIGIN	ACCESS FIND NO.	DESTINATION	ON .	ACCESS FIND NO	REMARKS	1/
7	5	55	Bare	18	Р	01 (nd (3.8.10 ip 11	P02	01, (nd (3.8.10 ip 11	Solder bare drai with sleeving to Solder black wir	n wire
			<u> </u>								Solder black wir Pin 1 to gnd cli	e from
5	2	24	D	1,8	Р	0. 05	3	P02	05	3		
3	1	24	٩	A	. Р	O7 03	3	P02	03	3		
4		24	5		Р	01, 04	3	P02	04	3		
5		24	5		Р	01, 05	3	209	05	3		
6		5.P	90		P	07 OP	3	P02	06	3		
7		5.P	۹٦.		P	01 07	3	P02	07	3		
۵		5.	92		PI	03. 08	3	P02	08	3		
9		5.P	93		PI	01 09	3	P02	09	3		
70		5.P	94		PI	37 70	3	P02	10	3		
11		56	95	18	P	וג גו	3	P02	11	3		
75		5.	96	3 1.8	P(3	PO1	19	3		
13		56	97	4	P	נג גו	3	P02	13	3		
34		56	78		P(11 14	3	P02	14	3		
1.5		56	900		P(15	3	209	15	3		
16		56	901		PC	11 16	3	P02	16	3		
17		5.P	9 02		PC	11 17	3	504	17	3		
18		5.P	903	•	PC	18	3	P02	18	3		
19	7	56	904	18	PC	11 19	3	P02	19	3		

CONTROL DA	14						E IDENT	SHEET	ч		WL		UMENT NO. 61407807	REV
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	c	RIGIN	:	ACCESS FIND NO	DESTIN	ATION		ACCESS	REMARKS	
50	5	5.P	905	18	P	01	50	3	P02	5	0	3		
57	5	5P	906	A	P	Οľ	51	3	P02	5	ı	3		
55	5	5P	90?		P	01	55	3	P02	5	г	3		
53	2	56	908		Р	0 J	53	3	P02	2	3	3		
24	5	5P	910	1	P	0 J	24	3	504	5	4	3		
25	2	56	911	78	Р	O 3.	25	3	P02	2	5	3		
											Т			
											T			
											T			
											T			
											T			
											T			
											T			
											T			
											T			
											T			
											T			
											T			

62962300 C

		BUILD AR	C	104			A	SSEMBLY PARTS	L	IS	T	08-15-77		PAG	1	U124	
DIV.	7	SSEMBLY NUMBER	CD	REV.	DWG.	Г		DESCRIPTION	мс	ST	ATUS	STATUS DATE	\top	ENG.	RESP.	FILE	DATE
0860	1	61407807	9	A	A	AD	APTE	ER CABLE ASSY	A	RE	L	08-12-77	1			08-19	5-77
FIND NO	LI	PART NUMBER	CD	M Q	UANTITY	U,	M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO.	NO. OUT	\$/1	WKIN	WK O
001	01	53397814	4		1	ρ	cc	ONN, MALE 25POSN PLUG ALO	NE	P							
200	01	51908500	5		1 50	0 F	T CE	BL. SHLD FIG 1 25 CNDCT 3	00V	₩							
003	01	53397817	7	2	25	P	cc	ONTACT, STRIP PINS 20-24G	A	P							
004	01	94286021	S		2	P	C L#	KG DEVICE, CONNECTOR TYP	3M	ρ							
005	01	51908402	4		5	P	cc	ONN HOOD, .430/.390 CBL D	AI	ρ							
006		10123821	i		S			ABEL, CAL MK (CDC 12 RVLO	PS)								-
007	-	94277407	1		1			TRAP CARLE TIE TYPE 4		8							
008		24528606 94277400	1		2 21			BG. INSUL NO.17 BLK UL PV Trap Cable tie Type 1		8							
010		71491967		l	2	- 1		LIP. GROUND (COPPER/TIN P))	P							
011		24548301	1		-	- 1	1	IR 24GA STRD BLK 300V UL		W							
012	01	53397914	2		1	P	cc	ONN, FEM 25POSN PLUG ALON	ΙE	P							
013	01	53397917	5	a	25	P	co	ONȚACT, STRIP SKT 20-24GA	١	P							
014	01	94288024	6		5	P	C LM	KG DEVICE, CONN TYP 4 4/T	YP3	P							
015	0 1	66300462	U	RE	F	P	C ^ E	DAPTER MATRIX		0							
016	01	18563109	0		2=	0 F	7 41	IRE 26 GA THIN WALL INS 3	100V	W							
			!				00	016 TOTAL LINES									
			-														
			!														
			-														



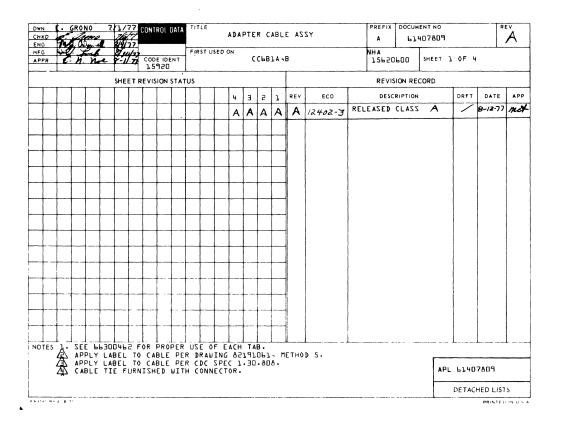


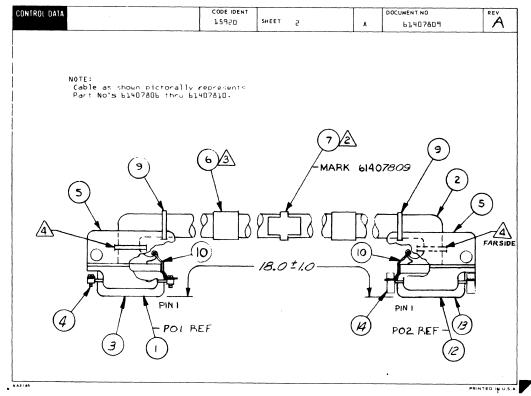
62962300 C

CONTROL DA	TA						1	S 920	SHEET	З́		WL	DOC	UMENT NO. 61407808	REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)	COLOR (REF.)		NGTH PRÓX) N •		ORIGIN		ACCESS FIND NO.	DESTINATIO	ж	ACC! FIND		REMARKS	
ı	2	55	Bare	1			נסי		3-8-10 ip 11	209	ond C	3-8- ip	11	Solder bare drain with sleeving to Solder black wire	wire gnd cl
2		24	0	-	В			02	3	P02	05	3	\dashv	Pin 1 to gnd clip	•
3	1	24	9		Ā		201	03	3	P02	03	3	1		
ч	\top	24	2			ı	201	04	3	P02	04	3	1	THE CONTRACT OF THE CONTRACT O	
5		24	5			1	201	05	3	PD2	05	3			
ь		5P	90			F	201	0P	3	509	OP	3			
7	\perp	5.P	91		<u> </u>	- 1	207	07	3	P02	07	3		· · · · · · · · · · · · · · · · · · ·	
8		5.P	92	<u> </u>	_	,	201	08	3	504	0.8	3	_		
٩	\perp	5.P	93	L	L		203	09	3	209	09	3	_		
10	_	5.P	94	L	_		PO1	70	3	504	70	3	_		
11	4	5.P	95	_			PO1	11	3	504	11	3	_		
75	_	5.P	96	1	_	- '	PO1.	15	3	209	7.5	3			
13	4	56	97	↓_			201	13	3	P02	13	3	_		
34	-	56	98	1			207	3.4	3	504	14	3	-		
յ.5	-	56	900		-	<u> </u>	201	1,5	3	509	15	3	\dashv		
76	-	56	90),	-	-		PO1	16	3	P02	1,6	3	_	,	
17	+	56	902	١,	_		PO1	17	3	209	1.7	3	-	· · · · · · · · · · · · · · · · · · ·	
1.8	1	5.P	903	┼ -'		 	201	18 .	3	509	1.8	3			
19 43183 REV. 8/7	2	5.P	904	! 1	8	<u> </u>	PO1	1.9	3	P05	19	3			ITED IN U.S

CONTROL DA	IA	************			i	DE IDEN	SHEET	4		WL DO	CUMENT NO. 61407808	REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF)	COLOR (REF.)	LENGTH (APPROX) IN•	ORIGIN		ACCESS FIND NO	DESTINATI	ON	ACCESS FIND NO	DEMARKS	
50	5	5.P	905	1.8	PO1	50	3	509	50	3		
5.7	5	5P	906	A	POl	57	3	P02	51	3		
55	5	5.P	907		POl	55	3	504	55	3		
24	5	5P	910		PO1.	24	3	P02	24	3		
25	2	5.P	911	1.8	POl	25	3	P02	25	3		
				L		-			ļ	<u> </u>		
		<u> </u>	-						-	ļ		
		-				-			-	}	-	
						+			+	-		
		-				 		***************************************	+-	†		
		 				-			+	†		
		†								1		

		BUILD AR	C	104			ASSEMBLY PARTS	L	IST	08=15=1		AGE I	U1240	NO.
DIV.	T .	SSEMBLY NUMBER ! C	`		wg.		DESCRIPTION	AKC	STATUS	STATUS DATE		G. RESP.	FILE C	DATE
0860	Ť	61407808	-			ADAI	TER CABLE ASSY	A	REL	UB-12-77		O. REST.	08-15	
FIND NO	LI		CD	M QUA		U/M	PART DESCRIPTION		MC YLD	ECO. NO. IN	ECO. NO. OI	JT S/N	WK IN	WK OU
001	01	53397814	4	ı		PC	CONN, MALE 25POSN PLUG ALC	NE	Р					
002	01	51908500	5	1	500	FŢ	CBL. SHLD FIG 1 25 CNDCT	900V	w					
003	01	53397817	7	25		PC	CONTACT, STRIP PINS 20-240	SA.	Р					
004	01	94288021	2	5		PC	LKG DEVICE, CONNECTOR TYP	3M	P					
005	01	51908402	4	5		PC	CONN HOOD430/.390 CBL (A I	Р					
006	01	10123821	U	2		PC	FUBER CEF WK (COC 15 BAFC	PS)	8					
007	01	94277407	6	1		PC	STRAP CARLE TIE TYPE 4		8					
800	01	24528606	7		500	FT	TBG+ INSUL NO.17 BLK UL PA	/C	8					
009	01	94277400		5		-	STRAP CARLE TIE TYPE 1		В					
010		71491967		s		1	CLIP, GROUND (COPPER/TIN F		P					
011	1	24548301	1		1	1	WIR 24GA STRD BLK 300V UL		1 1					
012		53397914 53397917		1 25		1	CONN. FEM 25POSN PLUG ALON CONTACT. STRIP SKT 20-24GA		ρ					
014		94288024		2		-	LKG DEVICE. CONN TYP 4 4/1		ľ l					
015		66300462		REF			ADAPTER MATRIX		0					
1	"	00300402				-	0015 TOTAL LINES							
		;												
	1													



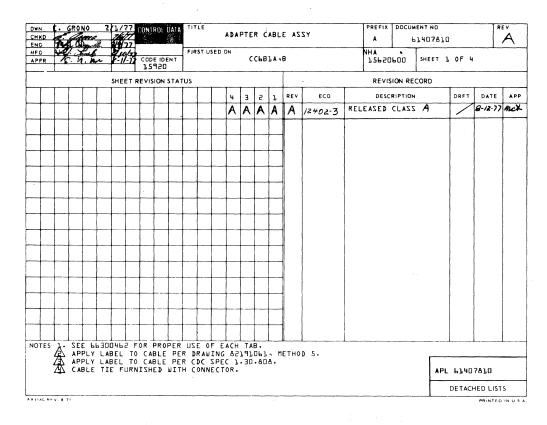


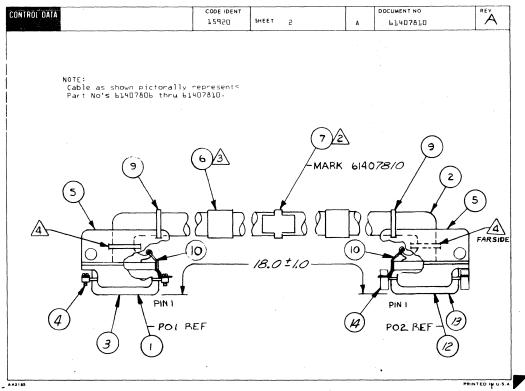
CONTROL DA	TΑ					C 0 1	SE IDEN	SHEFT	3		WL	1	UMENT NO 1407809	REV
CONDUCTOR	FIND	GAUGE (REF.)	COLOR (REF.)	LENGTH (APPROX)	C	DRIGIN		ACCESS FIND NO	DESTINAT	ION	ACC FIND		REMARKS	
1	2	55	BARL	18	P01		O1 GND	3.8.10 [[P]]	P02	GND	B.A.	11	Solder bare drain with sleeving to	gnd cl
2	5	24	0	18	P01		0.5	3	P02	03	3		Solder black wire Pin 1 to gnd clip	
3	2	24	9	1.8	P01		03	3	PD2	0.5	3			
4	10	5.P	9	3.0	P01		04	3	P01	0.5	_			
5	2	24	5	1.8	P01		0.5	3	P02	08	. 3			
6	2	. 26	90	18	P01		DP	3	P02	50	3_			
7	5	5.P	91	1.8	POl		07	3	PUZ	07	3			
8	2	5.P	92	7.8	P01		0.8	3	PO2	04	1			
9	10	26	9	3.0	P02		04		PD2	0.5				
10	2	- 56	93	1.8	P01		09	3	P02	09	.3			
	2	5P	94	1.8	P01		10	3	P02	10_	3			
15	2	5P	95	18	P01		11	_ 3	P02	11	_ ₃ .			
13	2	26	96	1.8	<u>PD1</u> _		12	3	P02	13	ļ			
14	Ju-	26	9	3.0	PD2		13	3	- 209	19_				
15	10	5P	9	3.0	P01		13	3	P01	19	ļ			
16	-5	5.P	904	1.8	P01		19	3	509	12	3	-		
17	2	5.P	98	1.8	P01		14	3	509 509	16	3	_		
18	2	<u>5P</u>	900	1.8	POl		15	_3	P02	15	3			
19	-2	SP	901	7.8	P01		16	_3	P02	14	3			
20 I	2	56	506	18	P 0 1		17	3	P02	17	3	l		ED IN U.S.A

	-				159	50	SHEET	4		WL	E1407809 .	Ă
FIND NO	GAUGE (REF)		LENGTH (APPROX		DRIGIN		ACCESS FIND NO	DESTINATI	ON	ACC:	DEMARKS	-14
2	56	903	1.8	P01		18	3	P02	18	3		
2	26	905	1	P01		20	3	P02	Ь] 3		
2	SP	906	Ш	P01		21	3	P02	21	3		
2	56	907	Ш	P01		22	3	P02	55			
2	56	908		P01		23	3	P02	23	3		
2	56	910	1	POl		24	3	P02	24	3		
2	56	911	18	PD1		25	3	P02	25	3		
									1	T		
									1	1		
			<u> </u>						1	T^-		
									1	T^-		
	 		†	†				And the same of th	1	†		
				1	$\neg \neg \dagger$				1	1		
	2 2 2	5 5P 5 5P 5 5P 5 5P 5 5P 5 5P	2 26 903 2 26 905 2 26 906 2 26 907 2 26 908 2 26 910	2 26 903 18 2 26 905 2 26 906 2 26 907 2 26 908 2 26 910	REF REF IN- IN-	2 26 905 P01 2 26 907 P01 2 26 908 P01 2 26 908 P01 2 26 908 P01 2 26 908 P01 2 26 908 P01	REF REF RAPPON	2 26 905 P01 20 3 2 26 905 P01 21 3 2 26 907 P01 22 3 2 26 908 P01 23 3 2 26 908 P01 23 3 2 26 908 P01 23 3 2 26 910 P01 23 3 2 26 910 P01 25 3	2 26 905 P01 20 3 P02 2 26 906 P01 21 3 P02 2 26 907 P01 22 3 P02 2 26 908 P01 23 3 P02 2 26 908 P01 23 3 P02 2 26 910 P01 23 3 P02 2 26 910 P01 25 3 P02 2 26 910 P01 25 3 P02		REF REF	REP REP

62962300 C

		BUILD AR	С	104			ASSEMBLY PARTS		ıs	T	08-15-7		PAGE	F	U1240	
			•								1	,	Τ.			
DIV. 0860	+^	ALANZENOLY NUMBER	_		WG.	4046	PTER CABLE ASSY	MC A	-	EL	UB-12-77	-	ENG. I	ESP.	08-15	
FIND NO	<u>.</u>	61407809	760			U/M	PART DESCRIPTION	-		YLD	ECO. NO. IN	ECO. NO	OUT	S/N	AK IN	WK OU
001		53397814	!	1	I	Ť	CONN. MALE 25POSN PLUG ALI	ONE	P							
002		51908500	į.	1		"	CBL. SHLD FIG 1 25 CNUCT :									
003		53397817	1	25	l		CONTACT. STRIP PINS 20-24		P							
	01	94288021		2	1	1	LKG DEVICE. CONNECTOR TYP		P							
005	-	51908402	!	ء		1.	CONN HOOD430/.390 CHL (P							
	01	10123821	1	. 2	1		LABEL. CBL MK (CDC 12 RVL)		ľ							
	01	94277407	į	1			STRAP CARLE TIE TYPE 4		8							
	01	24528606	ŀ	1					8							
	-	94277400	i			1	TBG. INSUL NO.17 RLK UL PI	, ,	A							
	01	· · ·		s					P							
	01	71491967	1	. s			CLIP. GROUND (COPPER/TIN		ľ							
	01	24548301	i	١.		1	WIR 24GA STRD BLK 30AV UL									
012		53397914	1	1	1	1	CONN, FEM 25POSN PLUG ALO									
013		53397917	!	25		1	CONTACT. STRIP SKY 20-246		ľ							
014		94288024	!	5			LKG DEVICE, CONN TYP 4 4/	1173	D							
015		66300462	i	REF		1	ADAPTER MATRIX		ľ							
016	01	18563109		1		FT	FIRE 26 GA THIN WALL INS	500 V	•							
							0016 TOTAL LINES									
			İ													



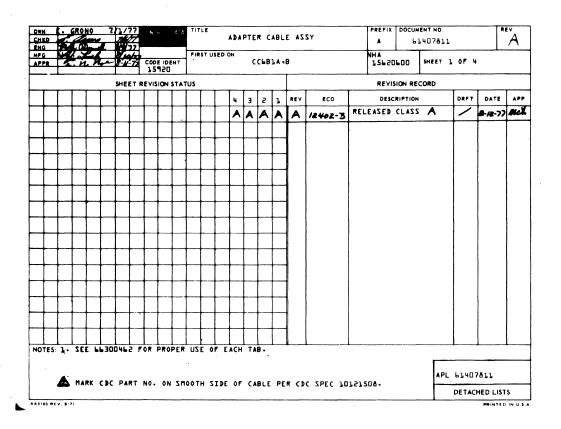


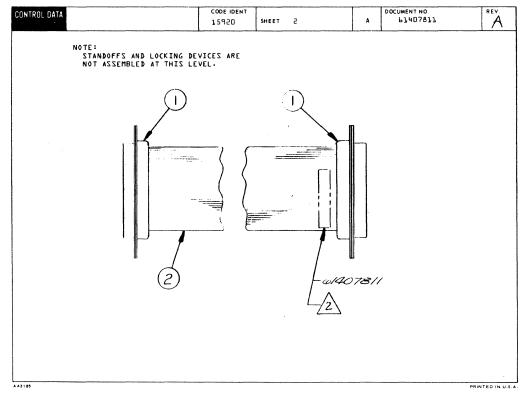
CONTROL DA	IΤΑ					P2450	SHEET	3		WL	DOCUMENT NO 61407810	REV.
CONDUCTOR	FIND NO.	GAUGE (REF.)	1	LENGTH (APPROX)	ORIG	N	ACCESS FIND NO	DESTINATIO	N	ACCE FIND	DEULDE	s
3	5	55	Bare	18	POL	ond C	3.8.10 ip 11	P02	Ol Ind C	3 - 8 - ip	10 Solder bare d 11 with sleeving Solder black	rain wire to gnd cli
											Pin 1 to gnd	vire trom :lip.
2	2	24	0	1.8	POl	0.5	3	P02	03	3		
3	A	24	9	3	POl	03	3	P02	0.5	3		
4		24	5	3	POl	04	3	POl	0.5	3		
5		24	5	3	P02	0.5	3	P02	04	3		
ь		5.P	90	3	POl	ОЬ	3	POl	O8	3		
7		5.P	٩١,	3 1.8	PO1 PO1	08 07	3	PO1. PO2	20 07	3		
8		56	92	3	P02	ОР	3	P02	08	3		
٩		56	93	3 1.8	PO3 PO3	08 09	3	P02	20 99	3		
10		5.P	94	4	POl	70	3	P02	70	3		
` 11		56	95		POl	11	3	P02	11	3		
75		5.	96		POl	75	3	P02	75	3		
13		5.P	97		POl	13	3	P02	13	3		
14		5.P	78		POl	14	3	209	34	3		
1,5		5.P	900		POl	1.5	3	P02	1,5	3		
16		56	901		POL	16	3	209	16	3		
17		5.P	902		POl	1.7	3	209	1,7	3		
18		5.P	903	1	POl	18	. 3	P02	18	3		
19	2	5.	904	1.8	POL	19	3	P02	19	3		PRINTED IN U.S.

CONTROL DA	TA .				1	TNADI A	SHEET	4		WL	DOCUM	ENT NO. 61407810	REV.
CONDUCTOR	FIND NO	GAUGE (REF)		LENGTH (APPROX)	ORIGIN		ACCESS FIND NO	DESTINATIO	DN .	ACC FIND		REMARKS	
50													
57	2	5.P	906	18	POl	57	3	P02	57	3			
55	5	5.P	907	A	POl	55	3	P02	55	3			
53	ė	5.P	908		POl	23	3	P02	53	3			
24	5	5.P	910	1	POl	24	3	P02	24	3			
25	5	5P	911	1.8	PO1.	25	3	P02	25	3			
										T			
										T			
			†				1						
	†	†	 	1		1							
			†	1		1				T		2. A. T	
	†	<u> </u>				†			1	1			
	†	†				†			1	1			
	 	 	 	 		†	1		+-	\top			

62962300 C

		BUILD AF	C	104			ASSEMBLY PARTS	L	IS'	T	08=15=7		-	UIZ40	NO.
DIV.	T .	SSEMBLY NUMBER	CD	REV. D	WG.		DESCRIPTION	MC	STA	TUS	STATUS DATE	ING.	REAP.	FILE C	ATE
0860	+	61407810				ADAF	TER CABLE ASSY	A	RE		08-12-77	1		08-15	
FIND NO	LI	PART NUMBER	CD	M QUAN	ITITY	U/M	PART DESCRIPTION		MC	YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK O
001	01	53397814	4	1		PC	CONN. MALE 25POSN PLUG ALC	NE	P						
002	01	51908500	5	1	500	FT	CBL. SHLD FIG 1 25 CNUCT 3	800V	w						
003	01	53397817	7	25		PC	CONTACT, STRIP PINS 20-246	3A	P						
004	01	94288021	2	2		PC	LKG DEVICE, CONNECTOR TYP	3M	P						
005	01	51908402	4	2		PC	CONN HOOD, .430/.390 CBL C	AIC	P						
006	01	10123821	U	S		PC	LABEL. CRL MK (CDC 12 RVLC)PS)	8						
007	01	94277407	6	1		PC	STRAP CABLE TIE TYPE 4		В						
800	01	2452860	7		200	FT	TBG+ INSUL NO.17 BLK UL PV	/C	8						
009	01	9427740	1	5		PC	STRAP CARLE TIE TYPE 1		8						
010	01	71491967	7	S		PC	CLIP. GROUND (COPPER/TIN F) ()	P		į				
011	01	24548301	1		100	FT	WIR 24GA STRD BLK 300V UL	PVC	W						
012	01	53397914	2	1		PC	CONN, FEM 25POSN PLUG ALON	Æ	ρ						
013	01	53397917	5	25		PC	CONTACT, STRIP SKT 20-24GA	١.	P						
014	01	94288024	6	2		PC	LKG DEVICE, CONN TYP 4 W/1	YP3	P						
015	01	66300462	0	REF		PC	ADAPTER MATRIX		D						
016	01	18563109	c	s		FT	WIRE 26 GA THIN WALL INS 3	300V	*						
							0016 TOTAL LINES								
			1	L	<u> </u>	<u>L</u>							<u> </u>		L





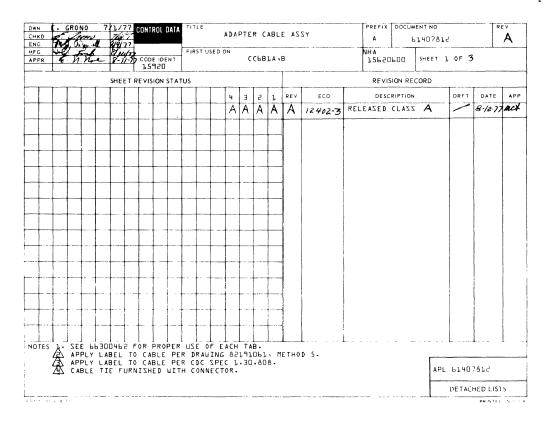
-DNTHFL DA	IA					25°	IDENT	- 1	HEET	3		WL	DOC	UMENT NO. 61407811	REV
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)		LENGTH (APPROX		DRIGIN		FINE	ESS	DESTINATIO	**	ACC	- 1	REMARKS	
3	5	26	B	ц	Р	07	OΣ	1		P02	13	l			
_			1	 											
5	5	2£	8	4		01	05			P02	75				
3	-	1	++	+	 	101 101	03			P02	11	-			
4	-		++	++-	 	01	04			P02	70	-			
5	-	-	+	++	 	101	0.5			P02	9				
ь			+	\bot	Р	0.	OP			P02	8	<u> </u>			
7	\perp		44	11	Р	0.	07			P02	7				
8	_		11	\Box	Р	01	08			P02	Ь				
٩					Р	01	09			P02	5				
10					F	101	10			P02	4				
ิน					P	01	11			P02	3				
75					Р	01	75			P02	5				
13					Р	01	13			P05	l				
34					Р	OΣ	14			P02	25				
15					Р	Ol	1,5			P02	24				
16					. Ь	01.	16			P02	53				
17					Р	01	17			P02	55				
18		1	1	1	Р	01	18.			P02	21				
19	7	2F	8	4	P	O1	٦,9	ı		P02	50	l.			

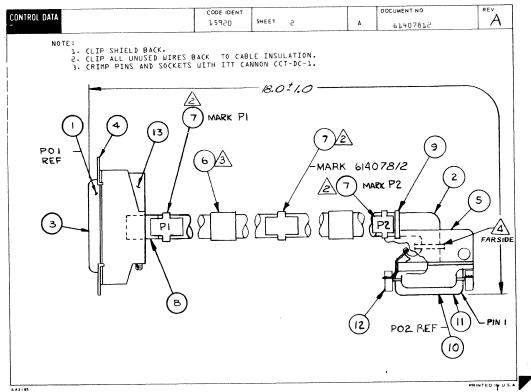
ONTROL DA	'A						FIDENT	SHEET	ч		WL	DOCUM	L1407811	REV
CONDUCTOR IDENT	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)	c	RIGIN		ACCESS FIND NO	DESTINAT	10N	ACC FIND	1	REMARKS	
50	5	5.P	8	ч	Р	01	50	ľ	209	19	1.			
21.	5	5.P	A	A	Р	01	57	1	P02	1.8				
55	5	5.P			Р	01	55		504	1.7				
53	2	5.P			Р	01	53		P02	1.6			`	
24	2	5.P	1	1	Р	01	24	V	P02	1,5	1			
25	5	5.P	8	4	Р	01	25	ľ	P02	1,4	l			
											T			
											T			
											1			

										1				
										1	1			

62962300 ℃

		BUILD ARG	2	104			ASSEMBLY PAR	RTS L	. 19	ST	09=07=7	7" "	GE L	FILE CHANGE	No.
DIV.	_	SSEMBLY NUMBER	CD	REV.	DWG.	Т	DESCRIPTION	MC		TATUS	STATUS DATE	ENG	RESP.	FILE	DATE
360	-	61407811	-+	A .	A	ADA	PTER CABLE ASSY	A	RI		08-12-77	-	. 4237.	09-07	
IND NO	u	PART NUMBER	CD	- AN	UANTITY	U/N				K YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK OU
0 1 0	1	51916925	+	†	2	PC	CONN 25 PIN		P						
0 200	1	65832242	5		33	3 FT	CBL SLAT 25 CONDCT 28A	1G F3							
0 800	1	51875323	1		5	PC	STOOFF M-F HEX BRS 4-	6×3	8						
0		94288024	1	1	s		LKG DEVICE, CONN TYP 4		1						
05 0		66304317	İ	RE	-	-	CONVERTER INSTALLATION	INST	P						
06 0	1	66300462	0	RE	F	PC	ADAPTER MATRIX		P						
İ							0006 TOTAL LINES								
									l						
				1					Ì						
			!										ŀ		
									1						
									1						
									l						
			1												
									1						





CONTROL DA	TA .					259	20 20	SHEET	3		WL	DOC	UMENT NO. 61407812	REV.
CONDUCTOR IDENT.	FIND NO.	GAUGE (REF.)		LENGTH (APPROX)		ORIGIN		ACCESS FIND NO	DESTINA.	TION	ACC FINE	ESS	REMARKS	
ı.	2		GRN	18	POL		οı		P02	01			CHASSIS GND	
2	5		RED	18	POL		0.5		PC2	03			DATA	
3	2		YEL	18	POL		05		P02	11			CTS-REV CHANNEL	
4	2		BRN	18	POL		07		P02	07			LOGIC GND	
5	2		BLU	18	POL		20		P02	DP			DTR - DSR	
					***************************************								i	
													<u> </u>	

		BUILD AR	r	104			ASSEMBLY PARTS		15	ST	08-15-7		GE F	U1240	NO.
			_						,		STATUS DATE		RESP.	PILE C	
DIV.	+^	SSEMBLY NUMBER	-	REV.	DWG.	4045	PTER CABLE ASSY	MC A	+	EL	U8-12-77		RESP.	08-15	
860	!	61407812	CO		UANTITY	U/M	PART DESCRIPTION	1		C YLD	ECO. NO. IN	ECO. NO. OUT	S/N	WK IN	WK OU
001		53397814	†	-	1	+	CONN. MALE 25POSN PLUG AL	ONE	٩						
002	01	51908500	5		1 500	FT	CBL+ SHLD FIG 1 25 CNUCT	300V	W	1					
003	01	53397817	į		5	1	CONTACT. STRIP PINS 20-24		P						
	01	51853900	1		1	1	LATCH ASSY (CONNECTOR-PAIR		P						
005	Ť	51908402 10123821	1		2		CONN HOOD430/.390 CBL		1						
007		94277407	į		3		STRAP CARLE TIE TYPE +		6						
800	01	24528606	7		200	FT	TAG. INSUL NO.17 PLK UL P	vc	9	•					
009	01	94277400	1		1	PC	STRAP CARLE TIE TYPE 1		8	•					
010	01	53397914	2		1	1	CONN, FEM 25POSN PLUG ALO		8						
011		53397917	1		5		CONTACT. STRIP SKT 20-246		٩						
012		94288024	1		2		CABLE CLAMP 25 POS	1173	, ,	1					
014		66300462	1		EF		ADAPTER MATPIX		c)					
							0014 TOTAL LINES								
			!												
			!												
									1			1	1	Ì	1

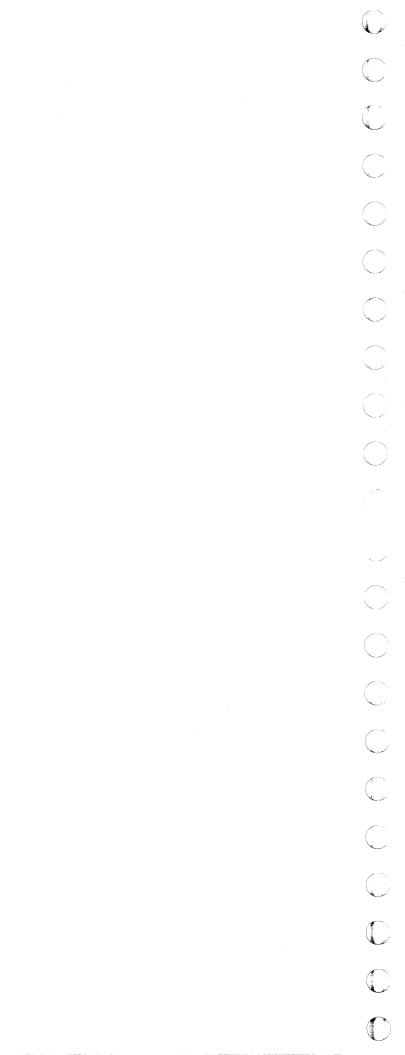
This section contains the spare parts lists available for the terminal subsystem. These are the listings of parts which should be maintained as site spares and which should be available for repairing the terminal in the field.

This section contains the spare parts lists for the keyboard display, nonimpact printer, and tape cassette unit. These are the parts/assemblies/modules which should be maintained as site spares and be available for repairing these equipments in the field. For spare parts identification for the impact printer, refer to the manual or spares list for that printer. See the preface of this manual for the numbers of such publications.

Drawing	Page
Display Station 80 x 12 60 Hz	8-3
Display Station 80 x 12 50 Hz	8-5
Display Station 80 x 12 50 Hz	8-7
Display Station 80 x 12 60 Hz	8-9
SPL, Printer, Serial, Thermal 60 Hz	8-11
SPL, Printer, Serial, Thermal 50 Hz	8-12
LIAT Tape Cassette (BE6A1A/C)	8-13
LIAT Tape Cassette (BE6A1B/D)	8-14
Extended Memory Option	8-15
Printer Controller	8-16
Current Loop Option	8-1 <i>7</i>
Answerback Option	8-18
Multi-Drop Option	8-19
SPL Cassette Option	8-20
Edit Option	8-21
Highlight Option	8-22
Paging Option	8-23

NOTE

The part number 71452900 revision B and later access panels are made with slotted air holes to provide more cooling for the display terminal. The panels are listed on the top level assemblies parts lists but not on any spare parts lists. When ordering, the slotted version access panel will be sent, but to ensure it, request access panel part number 71452900 with slots.



DWI		R	Tra	utr	nan	6-7	75	CONT	ROL	DATA	TIT									PREFIX DOCUMENT NO			REV.
EN						b~ 7						DIZ	PLAY	Z	TAT	ION	1 80) X	75 POHZ	SPL 66248	200	-	AA
MF			Lir			6-7					FIR	ST US	ED ON								1 of	7	
E.			Bay			6-7		COD	E 108		1		CCPB	l, A.	/C	& ((P)	4A/	C	SHEE	and	J.A	
<u> </u>	٠. د	ь	Day	eı		10 1	<u> </u>				L												
			,			SHE	ETR	EVIS	ION	STA	US									REVISION RECORD			
														Α,	3	5	ı	REV	ECO	DESCRIPTION	DRFT	DATE	APP
														-	Z	Z	z	· 2	CD 12123	Retyped sheet 1, ac note 3 & F/Ns 30 &		5/6/7	mg0
														-	5	T	T	T	12351	REVISED PER ECO	no	8/1/17	
				_										-	S	U	U	U	CD 12714	REVISED PER ECO	JW	1-24-71	
L														-	٧	٧	٧	Y	12745	REVISED PER ECO	EE	2/23/7	mcs
													٧	4	W	w	w	w	12687	Added SHT IA REVISED PER ECO	R	3-21-7 8	EHN
													١	v	Υ	w	Υ	Y	12855	REVISED PER ECO	E.E.	4-21-78	
													\	4	z	W	Z.	z	12827	REVISED PER ECO	MIG	5-19-71	3 5-31/20
													1	~ .	AA	AΑ	AA	AA	12995	REVISED PER ECC	Mle	8-8-76	3 m) 1
			ŀ							ł											Ì		
										Π				T					1				
													T	T									
								Γ		Γ			T	T									
														7									
													\top	1									
NO	TES:	٦.	. 5	PL	.00.	Cc	de	5: U	=	War	reho	ouse	7 S	= 1	Sit	e.		ш					
		2.																s pe	specific	regulator assembly			
			ć	s	al	led	ou1	t ir	1 Z	nps	/ste	em 14	aint	•	Man	ua'	١.						
																				Γ	DETAC	HED LIS	TS
A A 3 1																							D IN U.S.A

INTRUL DATA		1	1		1
	15920	SHEET LA	SPL	PP549500	W
NOTES: {con't}					
F/N 32 can only I F/N 3 can be used	be used in CCL	Bl-AlD (CCFBl-CO5, C	C634-A0	Ob and CC614-CO6, and	up.
r/N 3 can be use	a in any serie	s Code level.			

62962300 F

CONT	ROL DATA	LIAT	DIS	PLAY	′				15°	SHE	ET	?		S PL	PP54951		REV. AA
FIND NO.	PART IDENTIFICATION			_	QUA	NTITY	REQUI	RED			UNIT 京原 M管AS			NCLATU ESCRIPT		SPECIFICAT NOTES, OR MA	
ı	51,905600	1									PC	U	Transform	mer,	ower		
5	51,907303	1									PC	Ü	CRT, 12 i	inch,	P4	_	
3	51907402	-									PC	z	Keyboard.	95 1	(ey	4	
4	90393600	1									PC	2	P.C. Assy	y	BD	5V Reg.	
5	9044 5705	1									PC	z	P.C. Assy	ya 48)	(D-4	Refresh	
Ь	90442100	1									PC	z	P.C. Assy	/- 4B\	'D = L	Processor	
7	90421700	1									PC	ы	P.C. Assy	/¬ 4Db	ID	Filter an	d Reg.
8	90411600	1									PC	W	P.C. Assy	/, 4CK	D	LED Panel	
9	9041,7300	1									PC	W	P.C. Assy	/1 4DF	D	LED Panel	
70	90460639	1									PC	z	P.C. Assy	, LBN	D- 0	CRT Monito	or 3
11	90444900	1									PC	z	P.C. Assy	73 5AC	D-3	Memory: 41	(
15	63403300	4									PC	z.	Switch Ro	cker		2 Pos • 2P1)T
13	6140110 7	1									PC	z .	Switch Ro	cker		3 Pos. SP1	T
14	P7407705	-									PC	z	Switch Ro	cker		2 Pos. SP1	T Pwr.
15	61375200	1									PC	z	CABLE ASS	Y Int	ensity Co	ntrol	
16	61407437	ı									PC	W	I C AS	SSY		T0199 pac	kage
17	61407419	1									PC	W	CHOKE A	554			
18	61407418	1									PC	ы	YOKE A	SSY			
19	51899703	1						-			PC	ы	Filter RF	5 5 <i>i</i>	/mp	AC Entry P	ane 1
50	18797101	1									PC	z	SW Push B	utton		Momentary	

LIAT DISPLAY S PL ĀA SHEET 3 15920 66248200 QUANTITY REQUIRED SPECIFICATIONS. NOMENCLATURE IDENTIFICATION NOTES, OR MATERIAL 51781602 PC SW Slide TZQŒ PC * 3 POS DPDT 55 P7407703 Z Switch Rocker 23 61,408075 PC W H.V.TRANSFORMER ASSY 580]8602 PC W Pass Transistor T03 Package 25 15130504 PC 15V Regulator T03 Package 56 PC Z FUSE 2.0A 250V 93418327 MAGNET ORANGE 27 51917050 PC Z 1.5 GAUSS MAGNET YELLOW 2.0 GAUSS MAGNET SILVER 51,91,7051 PC Z 29 51917052 PC Z ZZUAD D.E 51908902 PC SONALART 30 51777314 4 PС Z Support: Plastic P.C. 35 51907705 PC CB W/Trip Coil 3.5 Amp AC Entry Panel AC Entry Panel PC Thms, Disc 2.5 0hm 51908605 S Keyboard, 95 Key 51907405 34 PC Z 35 61407856 PC CAP ASSY - CRT 36 51915101 PC W KNOB PLAIN 37 ٥Ζ ADHESIVE 51004063 PC DIODE, SIL, 104004 95637304

CODE IDENT

8-4

AA3181 REV. 8/71

62962300 F

PRINTED IN U.S.A.

DOCUMENT NO

DISPLAY STATION BO X 12 50HZ 66248100 W FIRST US€D ON l of 3 and lA CCBB1B & CCb14B SHEET REVISION STATUS REVISION RECORD IA 3 2 1 REV ECO DESCRIPTION DRFT DATE Retyped page 1, added note 3 % F/Ns 30 % 31 P P P P CD12153 RT 5/6/21 940 P R R R 12351 8/1/17 9 REVISED PEP ECO P S S S CD 12714 REVISED PER ECO 1-24-78 AND JM 3-21-78 EMM TTTT 12687 Addred Sht IA - REVISED PERO B UT U U 12855 REVISED PER ECO 4-21-78 Т VTVV 12827 REVISED PER ECO W2 5-19-78 G WJG 8-8-78(17-1/2) TWWWW 12995 REVISED PER ECO SP Loc Codes: W = Warehouse, S = Site. Find No. 16, 24 & 25 to be replaced as per specific regulator assembly as called out in Systems Maint. Manuals. DETACHED LISTS AA3180 REV. 8/71

CONTROL DATA	CODE IDENT				DOCUMENT NO.	REV.
	1,5920	SHEET	J.A	SPL	66248100	T
	L					
Notes: {(ant}						
F/N 32 can only be used in Series code level.	CC681-815.	C614-806	and up. F/	'N 3 ca	m be used in any	
Series code level.						
3185						PRINTED IN U.S.

62962300 F

CONTROL DATA

CONT	ROL DATA	_IAT	IZIQ	PLAY				1	2592	SHEE	ET .	2	z	PL	DOCUMENT N		REV.
FIND NO.	PART IDENTIFICATION				QUA	NTITY	REQUI	RED	Ι		OF MEAS			NCLATU SCRIPTI		SPECIFICATION NOTES, OR MA	
1	51905600	ı									PC	W	Transform	ner, l	Power		
2	51,907303	ı									PC	W	CRT, l2 i	nch ₁	P4		
3	51907402	J.									PC	z	Keyboard,	95 k	(ey	₹	
4	90393600	ı									РC	z	P.C. Assy	, 4BE	310	5V Reg.	•
5	9044 57 05	ı									PC	Z	P.C. Assy	, 4B)	(D-4	Refresh	
Ь	90442300	ı									ÞС	Z	P.C. Assy	, 4B	/D -1	Processor	
7	90421700	ı									PC	W	P.C. Assy	- 4 D t	J D	Filter &	Reg.
B	90411600	ı									PC	ы	P.C. Assy	, 4CK	C D	LED Panel	
٩	90417300	ı									PC	W	P.C. Assy	, 4DF	D	LED Panel	
10	90460619	3.									PC	2	P.C. Assy	, LBN	D-:0	CRT Monit	or 🛕
11	90444900	1									PC	z	P.C. Assy	, ŞAC	D-3	Memory, 4k	
12	6140110 0	4									PĆ	2	Switch Ro	cker		2 Pos. SP	DT
13	61401101	ı									PC	S	Switch Roo	cker		3 Pos. SP	DT
14	P7407705	ı					<u> </u>				PC	z	Switch Roo	cker		2 Pos. SP	DT Pwer
15	61375200	ı									PC	z	CABLE ASS	Y INT	TENSITY CO	NTROL .	
16	61 407437	ı									PC	W	15V Regula	ator		T0199 pac	kage
17	-1407419	ı									РC	W	CHOKE WZZ	Y			
18	61407418	ı									РC	W	Yoke ASSY				
3.9	61374003	ı									PC	3	AC Entry	Panel	L 50HZ		
20	18797101	ב									PC	z	SW Push B	luttor	1	Momentary	

CONT	ROL DATA	LIAT	DISF	PLAY					159	SHE	EET	3		SPL	PPSAB100		REV W
FIND NO.	PART IDENTIFICATION				QUA	NTITY	REQUI	RED	T		UNIT OF MEAS		1	ENCLATU	1	SPECIFICATION NOTES, OR MA	
51	51781602	ı.		-							PC	2	SW Slid			TZPQ	
22	61401103	ı									PC	Z	Switch	Rocke	r		
23	61408075	1									PC	Z	H.V. Xf	ormer	Assy		
24	28079P05	ı									PC	Ü	Pass Tr	ansist	or	T03 pac	kage
25	15130504	ŀ									PC	W	15V Reg	ulator		T03 pac	kage
56	93418327	ŀ									PC	z	FUSE 2.	DA 25	עם		
27	51917050	ŀ									PC	Z	MAGNET				
28	51917051	ı									PC	z	MAGNET '	YELLOW			
29	51917052	3.									PC	Z	MAGNET 3.0 GAUS				
30	51908902	1									PC	W	SONALERT				
31	51777314	4									PC	Z	Support	Plast	ic P.C.		
32	51907405	ı									PC	z	Keyboard	1 95 K	₽y	4	
33	6140785b	1									PC	W	CAP AZZY	- CRT			
34	51915101	1									PC	ы	KNOB PLA	IN			
35	51004063	.1									٥z	W	AVIZAHGA				
3Ь	95637304	3									PC	z	DIODE, S	IL BN4	004		
37	51899703	1									PC	W	FILTER R	FI 5 AM	Р		
38	51907703	1									PC	W	C.B. WIT	H TRIP	COIL		
39	51908602	1							<u> </u>		PC	W	ZIG,ZMHT	C 2.5	OHM	·····	
											j						

DWN CHKD	R.	TR	AUTI	1AN	7-7		CONT	ROL :	DATA	TIT		ISPL	_A Y	т2	ATI	ON	80 X	12 50HZ	PREFIX DOCUMEN	NT NO.	L3 5	R	H
MFG APPR	38	'n	n	-	81/	74	COD 1.5	E IDE	NT	FIR	STU	SED 0		CCP	14 D	+	ССРВ	l D		SHEET	1 of	3	
					SHEE	T R	EVIS	ION	STAT	rus									REVISION RECO	ORD			
	T								Г				ЪA	3	2	1	REV	ECO	DESCRIPTION		DRFT	DATE	APP
														Α	A	Α	Α	10653-62	RELEASED CLASS	A		8/6/76	267
														В	В	В	В	CD11747	ADDED F/N 25,26,		Wes	12/0/76	NA
													C	C	c	c	С	CD15123	Added note 5, st & F/Ns 29 & 30.	neet]/	RT	5/6/17	mgo
													ں	J	D	D	D	12495	F/N 3 WAS 519074	.02	apr	1/8/17	mel
													Ε	С	E	E	E	CD12714	REVISED PER	ECO	JW	1-24-78	40
	T												F	F	F	F	F	12687	REVISED PER E	00	Ro	3-21-78	EHV
													G	G	F	G	G	12855	REVISED PER E			4-21-78	1
													G	I	F	H	H	12827	REVISED P/N	25	WJG	5-19-78	8. 6. 5017
NOTES		oc.	COI	EZ:	. W	=	War	eho	use	2 ;	=	SITE	Ε.										
ક	TOP	LEV	EL .	2 Z A	EMBL	-Υ	1,56	113	104	€CC	61,4	10)	AND					PB1D).					
- (alle	ed (out	in	Sub	s y	ste	ms	Mai	nt.	Ma	nua]	ls٠				-	ator asse	•		DETAC	HED LIST	
	EQUI		NT	CON	FIGL	JRA	TOR	J. 5	611	303	(((614	D}	AND	1.5	P50	F03	{CCPBTD}.	·		DE I ACI	PRINTED	

CONTROL DATA

CODE IDENT
15920

MEET
1A

SPL

DOCUMENT NO.
6

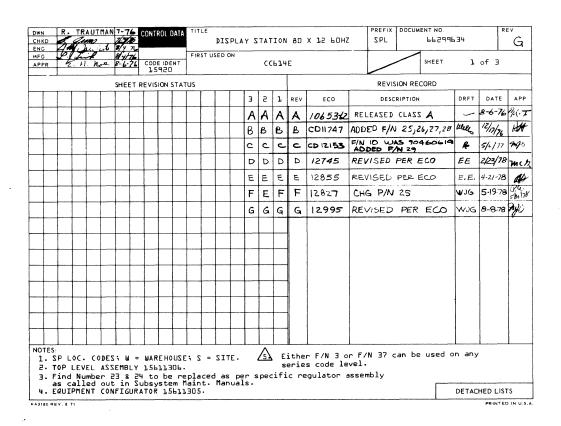
REV.
G

Notes Cont.:

Either F/N 3 or F/N 3) can be used at any Series Code Level.

CONT	ROL DATA					1598	SHEET		2		S PL	DOCUMENT N	o. 299635	REV.
FIND NO.	PART IDENTIFICATION	1		QUANTITY R	EQUIRED		UNI OF MEA	1			ENCLATU ESCRIPT		SPECIFICA NOTES, OR MA	
1	51905600	ı		11			P	W	Tr	ransfor	mer,	Power		
2	51,907303	ı					P	W	CF	RT, 12	inch,	P4		
3	51,907402	ı					P	z	Ke	yboard	95 1	(ey	▲	
4	90393600	ı					P	z	Ρ.	C. Ass	y 481	3 D	5V Reg.	
5	90445705	ı					P	z	Ρ.	C. Ass	y , 48	(D-4	Refresh	
Ь	904421.00	ı					PC	z	Р.	C. Ass	y 48	YD-1	Processor	
7	90421700	ı					PC	u	Р.	C. Ass	y	i D	Filter & R	eg .
8	90411600	ı					PC	W	Р.	C. Ass	y , 4C	(D	LED Panel	
9	90417300	ı					PC	W	Р.	C. Ass	y	- D	LED Panel	
10	90460619	ı	TT				PC	z	Ρ.	C. Ass	y a BBN	D-0	CRT Monito	r /5
ll	90443500	ı					PC	z	Р.	C. Ass	ya 5A(D-2	Memory, 4K	
12	61401100	4					PC	z	2 4	itch Ro	ocker		2 Pos. SPD	т
13	61401101	ı					PC	z	Su	itch R	ocker		I Pos. SPD	Т
14	P7407705	1					PC	2	Su	itch R	ocker		2 Pos. SPD	T Pwer
1.5	51899042	ı					PC	z	Po	t Inter	nsity	Control	1 Meg.	
16	51906800	ı					PC	W	Co	il 320	мн			
17	61407418	ı					PC	W	Yo	ke Defi	lectio	on .		
18	61374003	ı					PC	W	AC	Entry	Panel	50HZ		
19	18797101	ı.					PC	z	zw	Push E	Buttor	1	Momentary	
50	51781602	ı					PC	z	2 🛭	Slide			TZPG	

PART NTIFICATION 1401103 1408075 1605400 1418327 1917050	1 1 1		QUANTITY	REQUI	RED				UNIT OF MEAS		1	ENCLATU	1	SPECIFIC.	
1408075 8018602 1605400 3418327 15917050	l l							\neg							
8018602 1605400 3418327 1917050	l l						-		PC	Z	Switch,	Rocker	,		
1605400 3418327 1917050	ı								PC	Z	H.V. Xfc	ormer A	ssy		
3418327 1917050								1	PC	W	Pass Tra	nsist	or	T03 packa	ige
1917050	ı								PC	W	15V Regu	lator		T02 packa	ige
									Pζ	z		.OA 2			
	ı								PC	z	MAGNET	2.2			
1917051	ı								PC	S	MAGNET				
1917052	ľ								PC	z	MAGNET 3.0 GAU	SILVER			
51777314	4	+	+						PC	Z	Support	ı Plas	tic P.C.		
1907405	1.								PC	z	Keyboar	d, 95	Key	A	
140785b	ı								PC		CAP ASS	Y - CRT			
	_	++	-	-											
		++	-	-											
		++		 			\vdash								
r.	107405	307405 <u>1</u> 107856 <u>1</u>	307405 1 107856 1	107405 1 107856 1	307405 1 107856 1	107405 1 107856 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	307405 1	307405 1	107405 1	107405 1 PC	107405 1 PC S	107405 1 PC S Keyboar	107405 1 PC 2 Keyboard 95	107405 1 PC S Keyboard 195 Key	107405 1 PC S Keyboard, 95 Key



CONT	ROL DATA					1592	SHEET		5	S PL	PPS	o. 99634 	REV.
IND NO.	PART IDENTIFICATION		QU.	ANTITY RE	QUIRED	T	UNIT OF MEAS		1	MENCLATU DESCRIPT		SPECIFICA NOTES, OR M	-
ı	51905600	ı					PC	W	Transfor	mer, P	ower		
5	51907303	ı					PC	W	CRT- 122	inch ₁	P4	, _	
3	51907402	ı					PC	z	Keyboard	, 95 K	ey	<u>\(\)</u>	
4	90393600	1.					PC	z	P.C. Ass	ya 4BB	D	5V Reg.	
5	90445705	1					PC	z	P.C. Ass	y, 48X	D-4	Refresh	
Ь	90442100	ı					PC	z	P.C. Ass	y, 4BY	D-1	Processor	
7	90421700	1			Ī		PC	W	P.C. Ass	y- 4DW	D	Filter and	Reg.
ð	904111600	1.					PC	W	P.C. Ass	y , 4CK	D	LED Panel	
9	90417300	1.					PC	W	P.C. Ass	y, 4DF	D	LED Panel	
,0	904%0619	1.					PC	Z	P.C. AS	SY, LBI	ND-0		
ıı	90444900	1.					PC	z	P.C. Ass	yı SAC	D-3	Memorya 4K	
,2	PJ40JJ00	4					PC	z	Switch R	ocker		2 Pos . SPD	Т
٤,	61401101	1					PC	z	Switch R	ocker		dqz . soq E	Т
,4	614011 02	1.					PC	z	Switch R	ocker		2 Pos. SPD	T Pwr.
,5	61375200	ı					PC	z	CABLE AS	TNI YZ	ENZITY CO	NTROL	
ь	61407419	ı					PC	W	Choke As	sy			
7	61407418	ı					PC	W	Yoke Ass	У			
8	51899703	ı					PC	لها	Filter R	F), 5 A	mp	AC Entry Pa	anel
9	18797101	l.					PC	2	Std Push	Button		Momentary	
0	51781602	1.					PC	2	SW Slide			TZPC	

62962300 F 8-9

CONT	ROL DATA						159	SHEET	T	3		ŞPL	DOCUMENT NO). 199634	G G
FIND NO.	PART IDENTIFICATION			QUA	NTITY RE	QUIRED	T	 	NIT OF EAS			ESCRIPT		SPECIFICA NOTES, OR N	
57	61401103	1	1	1			T	F	PC	z	Switch A	locker		209 E .oN	DPDT
22	61408075	ı						F	PC	W	H.V. Tra	ns for	ner Assy		
53	2019205	ı						F	PC	W	Pass Tra	nsist	or	T03 Packa	ge
24	15130304	ı						F	PC	W	15V Regu	lator		T03 Packa	ge
25	93418327	7						. P	c	Z		2 - DA	250V		
56	51917050	ı.						Р	oc	Z	MAGNET 0	2			
27	51,91,7051	ı						Р	o C	Z	MAGNET Y	Z			
28	51917052	J.						P	°C	Z	Z TENDAM				
29	51777314	ч						F	PC	Z	Support	Plast	ic - P.C.	Monitor B	oqqu2 b
30	51907705	ı						P	<u>></u> د	5	CB W/T∵	ip (oi	1 3.5 Amp	AC Entry	Panel
31	51,908602	ı						· F	PC	S	Thms: D	isc 2.	5 0hm	AC Entry	Panel
35	6 <u>1</u> 407856	Ъ						F	PC	W	CAP AS:	SY , CR	Т		
33	51908902	ı						F	PC	W	SONALER	Т			
34	51915101	1						F	>c	W	KNOB PL	AIN			
35	51004063	.1						F	∍c	W	ADHESIV	E			
36	95637304	3						F	∍c	z	DIODE, S	IL, LM	14004		
37	51907405	1						F	э с	2	KEYBOARI	95 KE	Y	Ś	
							-								

WN HKD	60	240	RCH	-	10-14	<i>1</i> 4 0	ONTI	ROL	ATA	TIT			-							PREFIX		MENT NO			R	EV D
NG	00	CRU	رامه		10/14/	75	_			2	PL	PR]	ENTE	R -	SEF	RIAL	- T	HERMAL LO) Hz	ZP	666	294800				
FG			non		10.15	-75						ED C	N							T						
PPR	K.	1/1	4	,	10/17	/25	COD	IDE	NT	(LL	4										SHEET	r	of i	2	
2_	16	ابكسد	ومحث	10	10/15	/At	Τ2.	120		L																
					SHEE	TRI	VIS	ION :	TAT	US								,		REVI	SION RE	CORD				
															2	1	REV	ECO		DESC	CRIPTIO	N	D	RFT	DATE	API
															Α	Α	Α	10842-26	REA	EASE	D CL	A55	4		10/15/75	M.C.
T															8	8	8	CD 113/1	RE	VISED 1	ER E	ECO		1	2/12/26	44
															c	C	C	CDIZZZ5	RE	VISED	PER	2 ECC	> /	2	6/21/77	10
1	Γ														D	D	D	13322	P/N	662956	70 WAS	66295	OZ I-	JUG 30-79	1-31-79	mc.
1	†																									
+	+-	-	-	-	\vdash								\vdash		_											
+	-	<u> </u>					-		-				\vdash		-	-										
_	<u> </u>	<u> </u>		_										_												
\perp				\Box																						
1	1	<u> </u>	\vdash																							
+-	+	1												-												
+	+-	-		-	-	-	-				_		\vdash			-										1
	L_																	L	<u> </u>				\perp			L
OTES:																		- 61 DOC 3								
			ite Par									ΗZ	pr:	inte	er ·	LCD	C D w	ig 5 19093:	xx}							
																							DI	ETAC	HED LIST	·s
180 RF	V. 8 7	7.1																							PRINTEC	IN U

CONT	ROL DATA s	PARE	PART	S LI	0 T.Z	F CL	114	1	5921		SH	EET	2 of	2	PL	DOCUMENT N		REV.
FIND NO.	PART IDENTIFICATION				QUA	NTITY	REQUI	RED	·····	ı		UNIT OF MEAS		N.	OMENCLAT R DESCRIP		SPECIFICAT	
NO.	IDENTIFICATIO											MEAS			K DESCRIF		NOTES, OR MA	TERIAL
	66295666 66295666	J.												Board P	lug-In	{Signal}		
	66295670	ı									<u> </u>			Board P	lug-In	{Control}		
	66295667	1												Frame F	inal A	ssy.	Prntr Mech- with Logic	Par : Bds}
	66295604	1												Power S	upply	{60 Hz}		
		-																
		-															-	
		-																
		-										1						
																		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
		_																
		-																,
		ļ																
		_																

62962300 G 8-11

NN HKD	G'.	HV	ددر		10+	£75 (CONT	ROL	DATA	TIT				_						1			ENT NO.		RI	D.
		Ch	ne.	1	10/14	/23				Ī				R ¬	SER	IAL	. 7 T	HERMAL	50	HZ	2P	PP5	94700			U
PPR S v	R	En	lu	M.	10/11	1/25	COD 15	920 920	NT	4	ST U L 1.]	SED (ON										SHEET	Lof	2 ,	
		ب	7		SHE		EVIS	ION	STAT	rus											REVIS	ION RE	CORD			
															/	2	REV	ECO			DESC	RIPTION		DRFT	DATE	APP
															Α	A	Α	1084Z-1	26	REL	EASE	D CL	955 A		10/15-75	MC-7
															B	B	B	D/13/1	,	EEV1	SED A	EL 60	_O	4	2/12/76	Spe.
															_	J	C	CDIZZZ	5	REV	SED F	ER E	٠. و	R	6/21/77	HA
															D	Α	D	13327		PAU G	6295	-70 WA	6 <i>6629560</i> 6	M7E	/- 3/- 14	246
																			1							
\prod																			İ							
TES:																										L
					par wit						Ηz	pri	inte	er {	C D (Du	ig 5	xxEPOP1	}							
																								DETAC	HED LIST	ς

, N	ROTONIA.	SPARE	PAR	TS L	TZI	FOR	CL11		CODE 1		SHE	ET	2 of	2	PL	DOCUMENT N		D REV.
FIND NO.	PART IDENTIFICATION				QUA	NTITY	REQUI	RED				UNIT OF MEAS			MENCLATU DESCRIPT		SPECIFICA NOTES, OR MA	
	66295666	ı												Board P	lug-In	{Signal}		
	66295670	ı												Board P	lug-In	{Control		
	66295667	1			-									Frame F	inal A	ssy.	{Pntr Mech with logic	Par Si bds.1
	<u> </u>	1		-	-				_					Power S	upply ·	(50 Hz)		
		-			-				-									-
		-	-	-	<u> </u>				-								ļ	
		-		_	-			-	-			-	-					
		-		-	+	 	-	-	-									
		 		<u> </u>					 								<u> </u>	
					T													
						_												
		 	 	-	-				ļ	-		ļ						-
		-		-	-	-	-	-	-			-						
		1	<u> </u>															

8-12

62962300 G

DWN CHKD	Ц	D. U.	لله (<u> </u>		7-1-75 7/2/2	CONT	ROL [ATA	TITI		LIA	т та	PE CA	122	TTE			PREFIX		MENT NO.]	1	EV.
ENG	+	2	Ď			2.2.75																-		E
MFG APPR	•	₹Q	1	7	-	119/2		E IDE 592		FIR	ST US	ED 0		ВЕЬА]	,A / (- BE	.P03V.C				SHEET 1	of	!	
						SHEET	REVIS	ION S	TAT	US									REVIS	ION RE	CORD			
	T													5	1	REV	ECO		DESC	RIPTIO	٧	DRFT	DATE	APP
															Ι.			REI	EASE	D CLA	zz C		9/2/75	SH
														Α	Α	Α	10653-41	RELE	ASE	D CLI	955 A		7/19/76	
														В	В	В	CD11546	Adde	d F/N	's 9	thru 11		5/19/76	4/4
														В	C	C	11568	REVI	SED	PER	ECO	weels	6/2/76	144
														D	D	D	CD11587	Adde	d F/N	l's L	2 & 13	rt	8/24/3	mD
														E	E	E	11723	F/N	7 WAS	90	4 <i>3090</i> 0	MA	9-287	64
																		:						
	1																							
							T																	
J.	Ε	qu:	ipm Le	ent vel	Co	nfigu sy 15	rato	r 1	562	750 156	о , 276	1.51	275 156	02 * 1	56 č	1.56	% 156266 26702.	.02.					***************************************	
																						DETAC	HED LIS	TS
A3180	REV	8/7	1																				PRINTE	D IN U.S

CONT	ROL DATA							ODE 1	SHE	ET	2		ZPL	PP5PP7		REV
FIND NO.	PART IDENTIFICATION			QUA	NTITY	REQUI	RED			UNIT OF MEAS		1	ENCLATU		SPECIFIC NOTES, OR A	
1	51915200	ı										Cassette	Drive			
2	51885400	ı										Power Su	pply			
3	2 799 PP00	ľ										Fan 52 (FM ll	5 VAC		
4	61371113	ı										Ac Entry	ЬО Нz			
5	90432000	1										58PD-0 P	.(. (a	rd		
Ь	90430600	ľ						-				5BJD P.C	. (ard			
7	90445760	ľ										5BKD-1 P	.(. (a	rd		
8	90431200	r										5BLD P.C	. (ard			
9	51906400	ı										Sw. Rock	er SPD	T On-None	-0n	
10	51,906401	ı										Swn Rock	er SPD	T On-Off-	0 n	
11	51,906404	L										Swa Rock	er SPD	T On-None	-{0n}	
15	47464400	ı										P.C. Boa	rd Ass	У		
13	47373100	1.										P.C. Boa	rd Ass	y {+5V}		
											-					

DWN		0.0	Ne	11		7-1-	75	CONT	ROL	DATA	TIT	LE								PREFIX	DOCUMENT NO	D.	R	EV.
CHK ENG		9	4	1		14	3						LIA	ТТ	APE	CA	22 E	TTE		SPL	PP5PP	200		E
MFG		0.2	-	{		3-19-	76				FIR	ST U	SED (N							SHEE	7 1 of	>	
APP	R	2.	V	y	1	3-14	-2/4	COD	592	0					BELA	41B	/D	, BE	P038/D		SHEE	1 1 01		
						SHE	ETR	EVIS	ION	STAT	rus									REVISIO	ON RECORD			
																2	ı	REV	ECO	DESCRI	PTION	DRFT	DATE	APP
																				RELEASED C	LAZZ C		9/2/75	SH
																Α	A	A	10653-41	RELEASED	CLASS	A	3/9/76	1.CT.
																В	В	В	CD13546	Added F/N'	s 9 thru	131 rt	5/19/16	
																В	С	С	11568	REVISED PE	er eco	was	6/2/76	Any
																D	D	D	CD11587	Added F/N	's]2 &]3 rt	8/24/20	me
																E	E	E	11723	F/N 7 WAS	904309	200 Mg	9-28-7	64
																							Ì	
																							-	
				П				\vdash			\vdash	T			\Box									
						 			_															
NOT	ES:		L			L	L	Ь	L	L	L	L		L	1		L	II	1	L			1	
5	:	E qu	ipr	ment evel	. Co	onfi ssy	igur 151	ato 271	or :	156	2750 156	01, 276	1. 1.03	5627 1 5 6	7503 6267	701	562E	5626 5626	, 1562660 703.	3.				
ĺ																					_			
																						DETA	CHED LIST	TS

CON	TROL DATA	QUANTITY REQUI							159	SHI	EET	2	ZPL PPSPP500 E
FIND NO.	PART IDENTIFICATION		1		QUA	NTITY	REQUI	RED			UNIT OF ME AS		NOMENCLATURE SPECIFICATIONS, OR DESCRIPTION NOTES, OR MATERIAL
1	51915200	ı											Cassette Drive
2	51885400	ı											Power Supply
3	51886600	ı											Fan 52 CFM 115 VAC
4	61374010	1.											AC Entry 50 Hz
5	90432000	1.											5BPD-O P.C. Card
Ь	90430600	ı											SBJD P.C. Card
7	90445760	ı											5BKD-1 P.C.Card
В	90431200	ı											5BLD P.C. Card
9	51906400	ı											Swa Rocker SPDT On-None-On
10	51906401	ı											Swa Rocker SPDT On-Off-On
11	51906404	J.											Swa Rocker SPDT On-None-10n}
7.5	47464400	ı											P.C Board Assy
13	47373100	L											P.C. Board Assy {+5V}
											1		

8-14 62962300 B

WN	12	سو		5-19-7	2	N -	t		ITLE		-						1			ENT NO.		R	EV.
HKD	12.	Que.	v	1/1/3	9			E	xte	nded	Mei	nory	0	otio	on		Z	PL	6	625 8 30	3		C
NG.	2	يور	-7	1-H-	5				IRST	JSED	ON								$\overline{}$				
PPR	1	1 6	Ĭ	3-13-	K (CODE	IDEN					7A 8								SHEET	1 of	2	
	13.	J.Z	ayly	6-12-	<u>2</u>	159	20				(APA	CA-		V P D	UA								
				SHEE	T RE	VISI	ON 51	ATU	5									REVISI	ON RE	CORD	,		
					T			Ī					2	١	REV	ECO			IPTION		DRFT	DATE	APF
					Ī		T	Т					Α	A	A	10653-8	RELE	45 6 2	ملاء ح	KS A	_	1/3/15	7.0
\top	T		\top				T	T		T			В	В	В	CD 10973	SPL (CHG	ON	LY	9/14/13	8	Bul
\top			1	11			1	Ī		T		П	В	·	c	CD11567	Added	XAL	50 A		rt	9/27/2	. 1
+	\dagger		_	$\dagger \dagger$			1	T	\top	1	1												
+	+	\vdash	+	+	7	_	\dashv	+	+	+	\vdash	H		-									
+	╁	+	+-	++	\dashv	-	\dashv	+	+.	+	┼	-				i					1		
-	1	\vdash	-	++	-			+	+	-	-	1		ļ		1							ì
	\downarrow	Ш		$\downarrow \downarrow$	_	_	_	4	_	_	<u> </u>												
										L													1
				П																			1
+	1			† †			7	7	T	1	T	П			1								
+-	+-	\vdash	+	++	+		\dashv	+	+	+	+	\vdash		-									
+	+	\vdash	\dashv	++	-		\dashv	+	+	+	╁	\vdash		-									
_	┼	H		1-1	-	-	+	+	+	+	┼	\vdash		-									
	1		_	+	_	\rightarrow	4	4	\perp	_	1	Ш		_	1								
	1			1 1	- 1		- 1	ŀ				1 1											1
NOTES								•				-											
	2	P L	ос. с	ODES	; W	-	WAR	HOL	JZE :	2 -	ZI	TE.											
																				1	DETAC	HED LIS	TS
43180 R	EV. 8/	71																				PRINTE	DINU

CONT	ROL DATA] (ODE	DENT	SHI	ET 2			S PL	DOCUMENT N		REV.
FIND NO.	PART IDENTIFICATION		<u> </u>	QUA	NTITY	REQUI	RED			l	UNIT OF MEAS	70C		MENCLATU DESCRIPT		SPECIFICA NOTES, OR M	
1	90443700										1	s	P.C. Ass	y 4CND	-l	EXTENDED M	EMORY
		 -															
								-			-						
									-								
		 									ļ						
					_				-		-						
											-						
		 <u> </u>		-				<u> </u>		-	-						~~~~~
	REV. 8/71	 	L	L				L	L	L	L					L	INTED IN U

OWN CHKD	74	25	-	ne	99		CONT	ROL	DATA	TIT		Pri	nte	~ (a	nt	rol	ler		- 1	REFI) SPL		CUMENT			R	F
NG FG PPR	7	12	9	Ó	2/2	20	COD 15	9 J D E	NT	FIR		SED (N				1514	1				\neg		l of	2	<u> </u>
			,		SHE	ETR	EVIS	ION	STAT	rus										REV	ISION	RECOR	₽D			
															2	_	REV	ECO		DES	CRIPT	ION		DRFT	DATE	APP
																A		10653-14								1.67
	<u> </u>		<u> </u>						L					1	B	В	В	CD 11143					100		2-1-2	11-14
_	_		_												В	С	C	CD11567						rt	3/2.	1
		L.							L						D	D	D		90445					my	2-19-76	64
			L											- 1	E	E	E	וררווסט	F/N	1	Was	9044	5744	B	11/16/76	
															F	F	F	12295	KEUI	SEC) PE	FEC	0	N. D	1/32/11	90
									-																	
7																										
			Г																					ĺ		
1	T		1						m					\top												
\top	†		Г	<u> </u>					 																	
+	T	-	\vdash	-						\vdash				\dashv	_											
+	\vdash	\vdash	\vdash	-			-	-	\vdash		<u> </u>	<u> </u>														
OTES		L	Ь	L		L	<u> </u>	L		L	L					L	L	L						L	<u></u>	L
																								DETAC	HED LIST	

ONT	ROL DATA	SPAR	E PA	RT L	IST	XAL	A & A 5 <u>1</u> A		ODE 11	DENT	SHI	ET	2		SPL	DOCUMENT N		F.
IND	PART IDENTIFICATION		Γ	Ι	QUA	NTITY	REQUIR	RED				UNIT OF MEAS			ENCLAT DESCRIPT		SPECIFIE NOTES, OR	
ı.	9044 <u>5805</u>	1												CARD AS	SY 4	D D D -4		
•			-															
																		- Anna -
														otano a seri	ganatian de			
		T															<u> </u>	

7	1122-20 734/10 7-34/3 7-3/3 SHEET	C OD		T	C RST US	urre	N				ion 152/		SP	5HEET		: 2	<i>C</i>
·	14/10 1/34/1 1-3/1	C OD	920	T	RST US	SED O		A P A	\ &	XA	1 .524	1		SHEET	l of	: 2	
·	7-3/	C OD	920	T		, ED 0		APA,	. 8	XA	1,524			SHEET	l of	: 2	
·	7-3/	1.5	920				XA]	, A 'I A		× A	#754			anee!	1, of	. 5	
·				ATUS													
	SHEET	REVIS	ION ST	TATUS	П					- 1							
		+			1 1								REVISI	ON RECORD			
									2	ı	REV	ECO	DESCR	IPTION	DRFT	DATE	AF
											Α	10653-9	RELEASE CL	A ZZA.		8/5/15	1.0
									A	В	В	CD11567	Revised p	er ECO	rt	111	
								1	c	С	С	11790	F/N I WAS	904247	00 m		kt
		+	++		1-1	\neg	\rightarrow	$^{+}$	\dashv	_						 	+-
																1	
			ΙГ		7	T	Γ	П	Ī	7						1	1
		+	\vdash	+	-	\dashv		-+	-+							1	1
							l										
_	\vdash	+	\vdash	+	+	-	-	$^+$	+	-						1	
]							1
								T								1	1
			\vdash		\vdash		\rightarrow	-	-							1	
																1	1
_		+			1		\neg	\top		\neg						1	1
		\perp													- 1	1	1
					1 1	T			Ī						į.	1	1
		-			-		\rightarrow	-+								1	1
				- 1	1										1		1
		+	\vdash	+	t - t	\neg	-	-	_						1	1	
																1	1
						T	Γ		T						1		1
		+	\vdash		\vdash			-+-	-+						1		1
			1 1	1	1 1	- 1	- 1	- 1	- 1						1		1

CONT	ROL DATA	:	XALAY	A-F				1	1592		SHE	ET	2		SPL	DOCUMENT N	8500	REV.
IND NO.	PART IDENTIFICATION				QUA	NTITY	REQUI	RED	Γ			UNIT OF MEAS			ENCLATI			CATIONS,
ı	90445766	1.												CARD ASS	Y SAN	ID-0		
																	ļ	
						-												
			-							<u> </u>								
							<u> </u>											
				ļ				ļ						<u> </u>	,			
			-		-			ļ						-				
			 															
																	,	
		ļ	-	-	-							-						
			 		<u> </u>			-	-		-						+	
				-						-				 		***************************************	1	
						ļ								†	-		1	

WN HKD	<u></u>			>	2.0		N		Δ΄,Δ	TIT			veri	oac	k Ø	pti	e'n			PREFI)	1	66258	.00	R	B B
FG PPR	Ž		Ł	96.		To the second	15°	10E	NT	FIR	ST US	ED O		B1-	- A	2	X A Ъ	AE				SHEET	l of	2	
					SHE	ET R	EVIS	ION S	STAT	ับร										REV	ISION R	ECORD			
T	Γ	Π	Π												5	ı	REV	ÉCO		DES	CRIPTIC	N	DRFT	DATE	APP
T	T	T	t														A	10653-9	REI	EASE	CLASS	A		a/5/15	1.67
+	1	T	t			Ť									A	В		CD11567	R	evise	d per	EC0	rt	50/2	HA
+	+	✝	T	 	1				\vdash																
+	╁	t	\vdash	 	╁╌	-	\vdash		┢			-		_											
+	\vdash	+	+	╁	\vdash	-	┢	\vdash	-		Н	-		_	_										
+-	╁	╁	╁	╁	╁	┝	├	├	-	\vdash	H			_	_	-									
+	\vdash	\vdash	+	<u> </u>	╀	├-	├-	-	-		\vdash		Ш	_		-									
4	1	\downarrow	\perp			L	├-	-	-		_				_	_									
_	_	\perp		_	_	L	L	<u> </u>																	
			L				<u> </u>			<u> </u>															
			_			L																			
	Т	Τ		Г																					
\top		T	T	T	T		Π																1		
\top	†	T	T	t	T	T	T	T	T																
+	+	\dagger	\dagger	T	t	T	T	T	\vdash	T	\vdash		T		Т										
+	+	+	+	+	+	t	\vdash	\vdash	\vdash	t^-	\vdash		\vdash	\vdash	<u> </u>	-									
HOTES				1_	1		1	L	L	1	L	L	1	L	L	L	<u> </u>	<u> </u>	<u> </u>					J	
																						Г	DETAG	CHED LIS	TS.
A3180 F																									D IN U.S

λN'	RH: DATA		XA	181-	A			1	5920	SHE	ET	2		s	PL	DOCUMENT N		REV.
ND O.	PART IDENTIFICATION				QUA	NTITY	REQUI	RED			UNIT OF MEAS				CLATU		SPECIFI NOTES, OR	CATIONS,
	90399100	J.															ļ	
	00417600	٠,											CARD A	1221	40			
																	-	
											-						-	
				-														
															-	***************************************		
_																		
											ļ.,							
								ļ	<u> </u>	 <u> </u>								
_			<u> </u>	_														
_				-						 	_						ļ	
			<u> </u>		<u> </u>		ļ		ļ	 	<u> </u>	ļ						
			<u> </u>	<u> </u>						 <u> </u>	ļ						ļ	

DWN	3	علام	سمه	_	9-4	2 5 (CONT	ROL [ATA	TIT	LE						-		1	PREFIX	DOCL	MENT NO.			EV.
CHKD ENG	5	کایت	Pau		7-12						Mu	lt <u>i</u>	-Dr	op (0pt	ion			- 1	SPL	666	258700			E
MFG APPR	1	13	1	0	9.2	2	COD:	E IDE	NT	FIR	ST US			2A.	8	XAL	54 A					SHEET	l of	2	
E.5.		479	201	'L	1/																				-
					SHEE	TR	EVIS	ION S	STAT	US			_	т т				т		REVI	SION R	ECORD	т		т —
	1	1													z	1	REV	ECO		DES	CRIPTIC	N	DRFT		APP
															A	A	A	10653-16	REL	EAS	EDC	LASS A		9/22/73	
															В	В	5	CD11144	SPL	CHG	ONL	/	MAID 2-27-16		19.16
															В	C	c	CD11567	Rev	ised	per l	co	rt	16.77.1	IK
															D	٥	D	11603	REV	ISED	PER	ECO	7/29/76	7/39/2	14
															E	E	E	11923	DEV.	1990	PEL	ECO		9/11/-	HA
																									1
	\top														_			Ì							
	+	+																							
\vdash	+-	+-			\vdash			-					-			_									
-	+	+-	-		-	_	-	-	-							-]							
		+-	\vdash																						
	1	4			\perp														l						
	1																								
																		}							
	T	T																							
NOTE	 S:						L		L	L			L	I		L	·		1					L	1
																							DETAC	HED LIS	гѕ
30 1	REV. 8	71																						PRINTE	IN U.S.

CONT	ROL DATA							1	ODE	DENT	T			e de la companya de l	T		DOCUMENT N		REV.
		SPAR	RE PA	RT L	TZI	XAL	B2A		1592	20	SHE	ET	2			S PL	6625870	10	E
FIND	PART				QUA	NTITY	REQUI	RED				UNIT OF				NCLATI		SPECIFIC	
NO.	IDENTIFICATION											MEAS			OR D	ESCRIPT	ION	NOTES, OR	MATERIAL
ı.	90445772	1.										PC		CARD	2.2.A	y 5CD	D-3		
-		-										F							
		 -	-																
				-															
		 			<u> </u>														
		ļ	ļ		ļ														
			ļ																
			†	T															
		_	 	 					-					 					
			 	 	_														
			 				ļ	<u> </u>											
			 -				ļ			-				ļ					
			<u> </u>					<u></u>	<u> </u>										
A3181	REV. 8/71	L		Ь	L	L	L	L	1	1				L				· P	RINTED IN L

NN HKD	1	TRAI		1/1	5	ONTI	ROL [ATAC	TIT	LE	SPL	Cass	ette	0 P	tio	1	ZPL 662	NO. 89200	R	E
FG PPR	Z	<u> =</u>		3-16-	76		E 10E	N T	FIR:	ST US	ED O		,B 5 A	٦ X.	4370	A	SH	EET 1	of 2	
				SHEE	TR	EVIS	ION :	STAT	US								REVISION RECOR	RD.		
													5	ı	REV	ECO	DESCRIPTION	DRFT	DATE	AP
															_		Released (lass	<u>د</u> /	1-22-76	GA
													Α	Α	Α	10653-39	RELEASED CLASS	A	3/K/76	
													A	В	В	11568	REVISED ACR ECO	Mol	6/2/76	Aug
													C	C	c	CD11587	F/N 1 was 904600	00 rt	8 64 7	
													D	D	D	CD11772	F/N 1 was 904457	48 DAG	146/16	No
													E	Ε	E	CD 15081	REVISED PER EC	MU O	3/8/77	Qu
													T		1					
												П								
T																				
	Ī	T					Γ													
	. E	qui op			_					700	-1.5	P5P8	00.		*					,
																		DETAC	CHED LIS	TS

CONT	ROL DATA							159	SHI	EET	2		SPL	PPS	o. 89200	REV.
FIND NO.	PART IDENTIFICATION	 Γ	I -	QUA	NTITY	REQUI	RED			UNIT OF MEAS			IENCLATI DESCRIPT		SPECIFIC NOTES, OR A	
1	90445779											PC ASSY Option I	5APD- nterfa	4 (assette		
		_	-	-						-						
			-							ļ						
		-														
			_													
	REV. 8/71	<u> </u>														

DWN	10	tro	me		9.10	1	CONTI	ROL D	ATA	TIT	LE										1	JMENT NO			R	EV D
CHKD	17.		>		18-1							Ec	dit	0pt	ioi	1			Ì	SPL	6	289100	J		1	<i>-</i>
ENG MFG	1	7 8			1/2					FIR	STUS	ED O	N									T			_	
APPR	19	$\ell =$	-3	c)L	121		COD		ΝТ				×	ALB	ЬА	&	XA17	'4 A	l			SHEET	. I c	†	2	
E	17	3.1	La	×	1.	- 1	15	920											1							
					SHE	ETR	EVIS	ION S	STAT	US									,	REVI	SION R	ECORD				
															2	1	REV	ECO		DESC	CRIPTI	DN	DR		DATE	APP
															Α	Α	А	/0653-25	RELE	EASEL	CL	955 A	٠,		130/76	2.C. T.
	\top	\top	1		T										Α	В	В	CD11567	Rev	ised	per	EC0	'	rt	\$ 17.	a title
	+	\top	T												С	C	С	CD 11602	REV	ISED	PEF	ECO	ال ر	VI	7-22-7	4 1881
	+	+	T		\dagger				-					\exists	0	D	D	11890	EEU,	150 /	EC.	ECO	A	1	1-31-7	WI
\vdash	+	+	+-	+	+	-	 	_	-	-																
										L							l						-			
						Ì		Ì	1			1 1		.				l							ł	
	+	+	+	+	+	├	┼	├	-	├		\vdash		-			1						- 1			
	-	1			1		ļ	l	1								1	1					1			
	T		1																							
\vdash	+	+	+	+	T	\vdash													}						ļ)
	+	+	+	+	+	<u> </u>	 	-			-															
-	+	+	+	+-	+-	-	1	├	-	-							1									
$\vdash +$	+	+	+	+-	+	-	\vdash	┢	<u> </u>	-	-		-			-										
\vdash	+	- -	+	1	+-	-	-	├	-	├	-	_				-	1									1
	_	4	\bot	1	_	_	1	_	<u> </u>	_	<u> </u>	_				_										
		\perp	\perp	\perp	_	_	<u> </u>	_	_							_										
						1																			1	
NOTE	S:						1					L	L													
																						_				
																							DE	TAC	HED LIS	TS
A A 3 1 8 0	REV.	8 / 7 1																							PRINTE	D IN U.S.

CONT	ROL DATA	SPA	RE P	ART	LIST		186A 174A	,	.5920	Щ,	ET 2	2		S	PL	PPS8470		REV.
IND NO.	PART IDENTIFICATION				QUA	YTITY	REQUI	RED			UNIT OF MEAS				NCLATI SCRIPT		SPECIFIC NOTES, OR A	
ı	90430300	ı									PC		CARD	YZZA	5	внр		
2	90445769	l.									PC		CARD	YZZA	5	CED-5		
		,																

								y Laboratorio de la constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantina della constantin										
																	·	
			-								-							
											_							
														-				

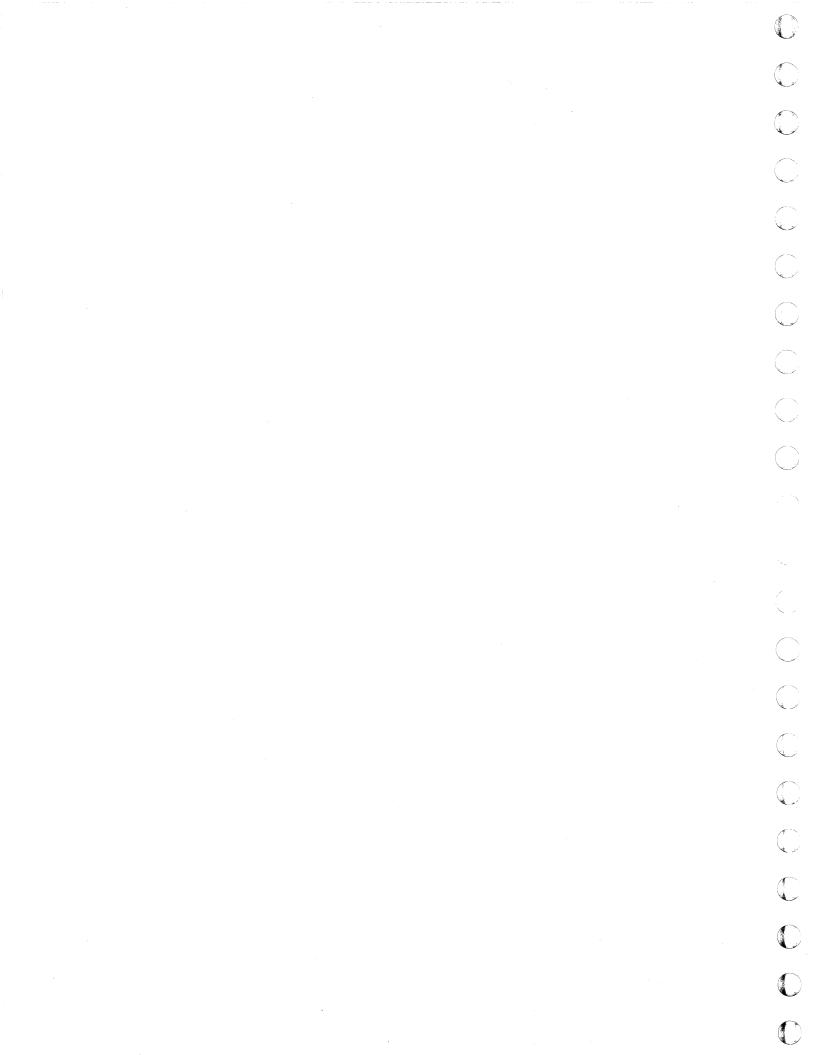
WN HKD	6		_	1	945)NTR	0t D	ΑIA	TITL	E	.,H1	igh:]	ligt	nt .	0pt	ion		SPL		L289000			B B
PPR	Ž	3	D		1/1	23	DODE	1061		FIRS	T US	ED O	N	X	Alb	7A	8 X	ADBGA			SHEET	1 of	2	
£2_	142	11:74	7		SHEE					US									REVI	SION RE	CORD			
Т	T		П		T	П	٦	T							5	7	REV	ECO	DESC	RIPTIO	١	DRFT	DATE	APF
+	+	\vdash	\vdash	\dashv		7	\neg		7								A	10453-15	RELEASE	D C.	LASS A		23/75	%(.7
+	+	+	\vdash	\dashv			_								A	В		CD112567	Revised			rt	13/13.	M
╁	╁	+-	\vdash		\vdash	-	1									Г								
+-	+	+	\vdash	_	H	-																		
╀	╀	╁╴	\vdash		\vdash		-		-															
+	+	+-	\vdash		H		Н			-	_	-				-								
\downarrow	\perp	╁	\vdash		\vdash		-	-		-	-	-		-	-	\vdash								
1	+	4	\vdash				-	-	-	-	-	_	-	┝	-	╁	l					1	İ	
1	\perp	\perp					_	_		-	-	_	-	_	_	├	1							
_		1			_	_	_	_	_	<u> </u>	_	-	-	-	-	╀-	1							
				_	L		L	L	_	L	_	_	↓_	┞-	_	\vdash								
								L	_	_		L	_	_	L	↓_								
T					Ì						L	L	_		L	_								
T	T	T	T		T			L					L	L		L	1					1	1	1
T	1	T	1		T		Γ							L		L	1							
\top	†	\top	T		T	Π	Π	Γ	Π	Π	Γ	Γ	Γ											\perp
OTE	S:			1																				
																					Г	DETA	CHED LI	STS
A3180																							PRINT	

() N ()	ROL DATA	SPARE	PAR	T L3	TZI	XAL	B7A		300E II	SHI	ET	2		SPL	DOCUMENT N		REV.
IND NO.	PART IDENTIFICATION		Т		QUA	YTITY	REQUI	RED			UNIT OF MEAS			MENCLATI DESCRIPT		SPECIFICA NOTES, OR A	
1.	90417900	ı									PC		CARD AS	SSY 40	нД		
				-													
				•													
		 				-	-			-	-	-					

DWN CHKD ENG	2	الم	_				CO		ROL			TITLE	S	PAI	RE	РА	RT.	LIS	T		SPL		11 NO. 991,76	,		REV B
APPR CE	8 C	- and	رم 		611	·-76			1 0 1			FIRST	ı usi	ED C		ЪC	1-4	١	XA195-	•A			SHEET	l	of 2	
		S	HEE	T F	REV	ISI	NC	STA	ATU	s										REVISION	N REC	ORD				
Ш	\perp							\bot	\Box	\Box	\Box	\Box		\Box	\Box			RE∨	ECO		IPTION		D	RFT	DATE	APP
Ш		\perp		4	_	4	4	4	_	4	1	4	_	_	4			Α		RELEASE CLA					414/76	M.C.T.
\Box	\perp	\perp	Ш	_	_	4	_	_	4	4	_	4	_	4	4	_		B	12309	REVISED PE	REC	0	E	E	7/11/77	KND
\Box	_	\perp	Ш	_	_	4	4	4	\dashv	4	4	4		_	4	4		ŀ		1						
$\vdash \vdash \vdash$	_	\perp	Ш	\sqcup	_	_	-	-	-	4	-	-	_	-	4	_	_						İ			
Ш	-	\perp	Н	-		\vdash		4	4	4	-	4	\dashv	-	4	-	Щ	İ					1			1
Ш	+	+	Н	Н	-	Н	\dashv	\dashv	-	4	\dashv	-	\dashv	-	-	_	Н									1
\vdash	+	-	Н	Н		\dashv	-	-+	\dashv	\dashv	\dashv	-	\dashv		\dashv		Н									
H	+	+	Н	Н	\vdash	Н	-	\dashv	{	-	\dashv	4	_	-	-		Н		1						1	1
$\vdash\vdash\vdash$	+	+	\vdash	Н	_	\dashv	-	-	\dashv	\dashv	\dashv	\dashv	\dashv	-	-	-	Н									
\vdash		╁	H	_	\vdash	Н	\vdash	\dashv	\dashv	\dashv	-	\dashv	\dashv	\vdash	\dashv	-	Н								ļ	
	+	+-		H	Н	Н	\dashv	-	-	+	\dashv	\dashv	-	\dashv	-	_	-		Ì				j		l	1
H	+	+-	\vdash	-	Н	Н	\vdash	+	-	\dashv	\dashv	\dashv	\dashv	\dashv	\dashv	_	Н	1	ł							į
H	+	+	\vdash	Н	-	Н	\dashv	\dashv	\dashv	-	-	\dashv	\dashv	Н	\dashv		Н		1							
H	\vdash	╁╌				Н		7	_		\dashv	_		Н	\dashv	_	-									
\vdash	\vdash	t^{-}		-	-	H		\dashv		7		_	\neg		1		\vdash						- 1		l	
H	\vdash	+		Н	_	H		7				\dashv		П	\dashv		\vdash	ı	1				ŀ			
NOTE	<u> </u>			_																4						-
l																						Ì	DET	TACH	ED LIST	s
AA3180																									PRINT	ED IN U.S.A

CONT	ROL DATA	SPARE PART LIST					1	LS920			SHEET 2			SPL 66299176			REV.	
FIND NO.	PART IDENTIFICATION	QUANTITY REQUIR						RED	ED			UNIT OF ME AS		NOMENCLATURE OR DESCRIPTION		SPECIFICATIONS, NOTES, OR MATERIAL		
ľ	90445806	ı										PC		CARD ASS	Y 5DBI)-].		

													-					
														-				~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-																		
													-					



This section contains the cabling pin assignments used for the cable connected to the communications line (data) and the peripheral connector. The communications line pin assignments are listed in table A-1; the pin assignments to peripheral equipment are listed in table A-2. The communications line voltage levels and assignments conform to EIA Standard RS-232-C and CCITT Recommendation V.24 as applied to asynchronous telecommunications. On the peripheral interface, only the voltage levels conform to RS-232-C/CCITT Recommendation V.24.

TABLE A-1. COMMUNICATIONS LINE SIGNALS

DATA SET CONNECTOR PIN NUMBER	CCITT MODEM CIRCUIT	EIA MODEM CIRCUIT	SIGNAL NAME	ORIGIN
1	101	AA	Protective Ground	Modem/Terminal
2	103	BA	Transmitted Data	Terminal
3	104	ВВ	Received Data	Modem
4	105	CA	Request To Send (RTS)	Terminal
5	106	СВ	Clear To Send (CTS)	Modem
6	107	cc	Data Set Ready (DSR)	Modem
7	102	AB	Signal Ground	Modem/Terminal
.8	109	CF	Received Line Signal Detector (CO)	Modem
9			Unused	
10			Unused	
11			Unused	
12	122	SCF	Secondary Received Line Signal Detector (SCO)	Modem
13	121	SCB	Secondary Clear To Send (SCTS)	Not Used
14	118	SBA	Secondary Transmitted Data	Not Used
15	114	DB	Transmission Signal Element Timing	Not Used
16	119	SBB	Secondary Received Data	Not Used
17	115	DD	Receiver Signal Element Timing	Not Used
18			Unused	
.19	120	SCA	Secondary Request To Send (SRTS)	Terminal
20	108.2	CD	Data Terminal Ready (DTR)	Terminal
21	110	cG	Signal Quality Detector	Not Used
22	125	CE	Ring Indicator	Not Used
23	111/112	CH/CI	Data Signal Rate Indicator	Not Used
24	113	DA	Transmit Signal Element Timing	Not Used
25			Unused	

62962300 A A-T

TABLE A-2. PERIPHERAL CONNECTOR PIN ASSIGNMENTS

PERIPHERAL CONNECTOR PIN NUMBER	SIGNAL NAME	ORIGIN
1	Protective Ground	Printer/Terminal
2	Play	Tape Unit
3	Printer Data	Terminal
4	Reserved	
5	BOT/EOT	Tape Unit
6	Printer Data Set Ready (DSR)	Terminal
7	Signal Ground	Printer/Terminal
8	Printer Received Line Signal Detector (CO)	Terminal
9	Line/Local	Tape Unit
10	Reserved	
11	Receive Clock	Terminal
12	Ready	Tape Unit
13	Record Gap	Tape Unit
14	Write	Terminal
15	Write Data	Terminal
16	Go	Terminal
17	Forward	Terminal
18	Terminate Write	Terminal
19	Printer Buffer 3/4 Full	Printer
20	Printer Ready (DTR)	Printer
21	Read	Terminal
22	Select Unit 2	Terminal
23	Times 16 Clock	Terminal
24	Read Data	Tape Unit
25	Record	Tape Unit

This appendix identifies the various visual communication repertoires used by the terminal subsystem equipments. Included are the control key function repertoire and the 64/96 message-forming, alphanumeric repertoires. Table B-1 defines the technical aspects of each control function and figure B-1 shows the dot pattern symbol displayed to identify each. Figure B-2 shows the dot pattern for each of the 64/96 message-forming, alphanumeric symbols/characters which the keyboard display terminal will display on its screen. The code given for each symbol/character in tables B-1 and B-2 is octal.

Figure B-3 shows the 96-character, ASCII-compatible subset printable by the non-impact peripheral printer. Note that lowercase characters do not have descending strokes but rather remain within the 5- by 7-dot matrix. Also note, at the end of the characters shown, the three printer mechanism control codes (BS, LF, and CR) are identified. All codes given in figure B-3 are octal.

Figure B-4 shows the 64-character, ASCII-compatible subset printable by the matrix peripheral printer. Note that adjacent dots on any horizontal line are never printed. Rather, for any horizontal stroke of a character, every other dot is printed. Any 96-character subsets which may be printable (by placing proper character ROM on the controller circuit board in the matrix printer logic module) would print lower-case characters within this 7- by 7-dot matrix and without descending strokes. Note, at the end of the characters shown, the four printer mechanism control codes (LF, VT, FF, and CR) are identified. All codes shown in figure B-4 are binary.

TABLE B-1. CONTROL FUNCTION REPERTOIRE

MNEMONIC	HEXADECIMAL CODE	KEYBOARD OPERATION	DISPLAY SYMBOL ①	FUNCTION ^②
NUL	00	CONTROL + @	NU	Null background character. Trans- mitted in character mode. Stored in line or block modes.
SOH	01	CONTROL + A	S _H	Transmitted in character mode. Stored in line or block modes.
STX	02	CONTROL + B or STX key	s _X	Refer to the description of the STX key under Transmission Control Keys
ETX	03	ETX key or SEND key ^③	EX	Refer to the description of the ETX key under Transmission Control Keys and to the description of the SEND key under Transmission Control Keys
EOT	04	CONTROL + D	E _T	Transmitted in character mode. Stored in line or block modes.
ENQ	05	CONTROL + E	E _Q	Transmitted in character mode. Stored in line or block modes.
ACK	06	CONTROL + F	A _K	Transmitted in character mode. Stored in line or block modes.
BEL	07	CONTROL + G	В	Alarm sounds and code is transmitted in character mode. Code is stored in line or block modes.
BS	08	CONTROL + - • or - key •	B _S	Refer to the description of the Backspace (—) key under Cursor Control Keys.
НТ	09	CONTROL + I	H _T	Transmitted in character mode. Stored in line or block modes.
LF	0A	CONTROL + 19 or CONTROL + LINE FEED® or 19 or LINE FEED key®	N _L	Refer to the description of the LINE FEED key under Transmission Control Keys and to the description of the Cursor Down () key under Cursor Control Keys.
VT	ОВ	CONTROL + K	∨ _T	Transmitted in character mode. Stored in line or block modes.
FF	0C	CONTROL + L	F _F	Transmitted in character mode. Stored in line or block modes.
CR	0D	CONTROL + CARRIAGE RETURN or CARRIAGE RETURN key	C _R	Refer to the descriptions of the CARRIAGE RETURN key under Cursor Control Keys and under Transmission Control Keys.

Notes:

- ① Displayed in line or block modes when the CONTROL key is pressed.
- 2 Descriptions referenced appear in the terminal subsystem operators guide (see preface for publication number).
- 3 Batch mode.
- 4 Line, block, or format modes.
- (5) Character or batch modes.

TABLE B-1. CONTROL FUNCTION REPERTOIRE (CONTD)

MNEMONIC	HEXADECIMAL CODE	KEYBOARD OPERATION	DISPLAY SYMBOL ①	function ②
SO	OE	CONTROL + N or TAB SET + SHIFT key	S _O	Transmitted in character mode. Stored in character, line, and block modes when highlighting option is installed. Not stored in format mode. Refer to the description of the Highlighting Control Keys.
SI	OF	CONTROL + O or TAB SET + CONTROL or TAB SET Key	S _l	Transmitted in character mode. Stored in character, line, and block modes. Refer to the description of the Highlighting Control Keys.
DLE	10	CONTROL + P	DL	Transmitted in character mode. Stored in line or block modes.
DC1	11	CONTROL + Q	D1	Transmitted in character mode. Stored in line and block modes.
DC2	12	CONTROL + R	D ₂	Transmitted in character mode. Stored in line and block modes. Used as a Device Control key when the tape cassette option is installed. Refer to the description of the Device Control Keys.
DC3	13	CONTROL + S	D ₃	Transmitted in character mode. Stored in line and block modes.
DC4	14	CONTROL + T	D ₄	Transmitted in character mode. Stored in line and block modes.

Notes:

- $\begin{tabular}{ll} \hline \end{tabular} \begin{tabular}{ll} \textbf{Displayed in line or block modes when the CONTROL key is pressed.} \end{tabular}$
- 2 Descriptions referenced appear in the terminal subsystem operators guide (see preface for publication number).
- 3 Batch mode.
- 4 Line, block, or format modes.
- 5 Character or batch modes.

TABLE B-1. CONTROL FUNCTION REPERTOIRE (CONTD)

MNEMONIC	HEXADECIMA L CODE	KEYBOARD OPERATION	DISPLAY SYMBOL ①	function ②
NAK	15	CONTROL + U or CONTROL + →⑤ or → key ⑤	N _K	Refer to the description of the Skip (→) key under Cursor Control Keys.
SYN	16	CONTROL + V or or LINE CLEAR key ③	Sy	Refer to the description of the LINE CLEAR key under Clear Control Keys.
ETB	17	CONTROL + W	EB	Transmitted in character mode. Stored in character, line, and block modes when highlighting option is installed. Not stored in format mode. Refer to the description of the Highlighting Control Keys.
CAN	18	CONTROL + X or CONTROL + CLEAR 4 or CLEAR key 5	c _N	Refer to the description of the CLEAR key under Clear Control Keys.
EM	19	CONTROL + Y or CONTROL + RESET ③ or RESET key ⑤	EW	Refer to the description of the RESET key under Cursor Control Keys.
SUB	1A	CONTROL + Z or CONTROL + † ③or † key ⑤	S _B	Refer to the description of the Cursor Up (†) key under Cursor Control Keys.
ESC	1B	ESC key	EC	Transmitted in character mode. Stored in line or block modes.
FS	1C	CONTROL + M or FS key	F _S	Transmitted in character mode. Stored in line or block modes.
GS	1D	CONTROL + H or GS key	GS	Transmitted in character mode. Stored in line or block modes.
RS	1E	CONTROL + J or RS key	R _S	Transmitted in character mode. Stored in line or block modes.
US	1F	CONTROL + C or US key	U _S	Transmitted in character mode. Stored in line or block modes.

Notes:

- ① Displayed in line or block modes when the CONTROL key is pressed.
- 2 Descriptions referenced appear in the terminal subsystem operators guide (see preface for publication number).
- 3 Batch mode.
- 4 Line, block, or format modes.
- 5 Character or batch modes.

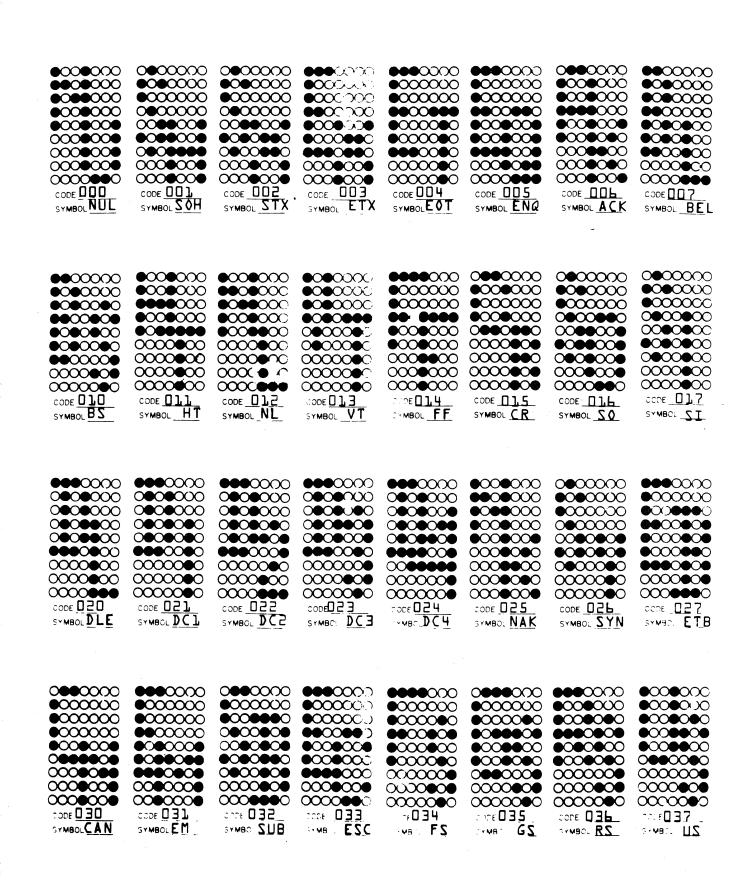


Figure B-1. Control Code Symbols

62962300 A

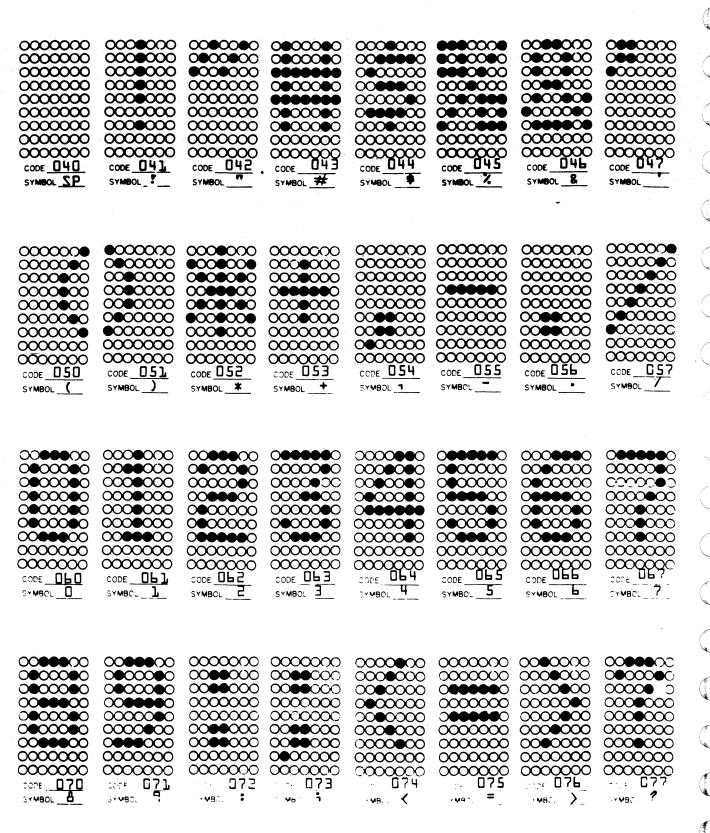


Figure B-2. Display Alphanumeric Repertoire (Sheet 1 of 3)

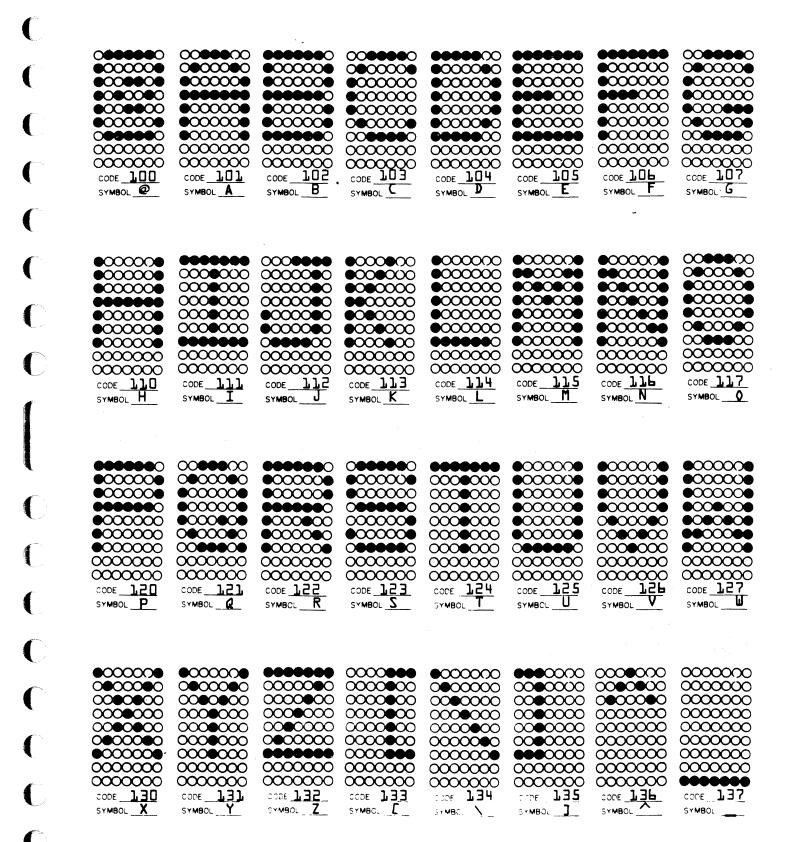
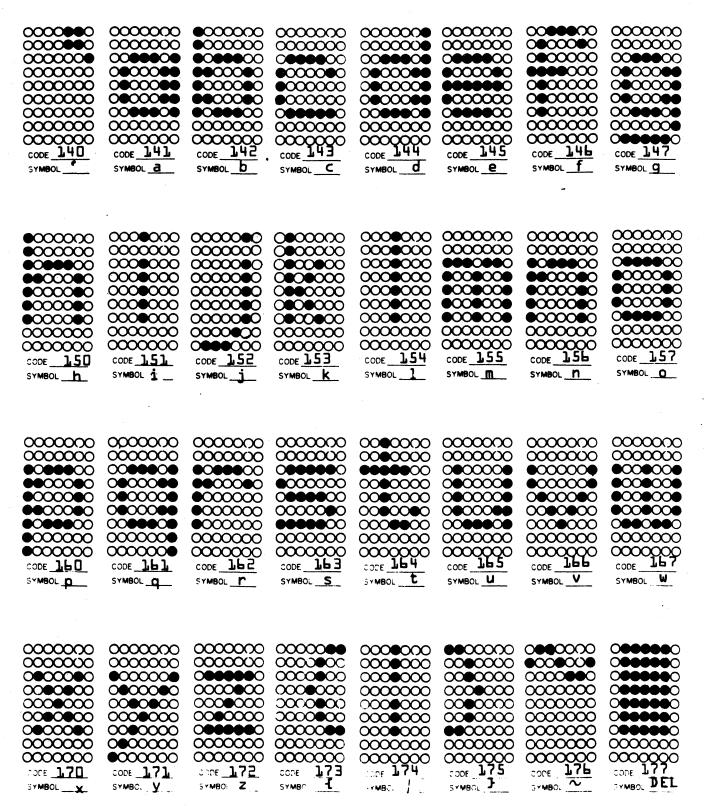


Figure B-2. Display Alphanumeric Repertoire (Sheet 2 of 3)



NOTE: SYMBOLS WITH CODES 1408 THROUGH 1768 ARE NOT AVAILABLE FOR KEYBOARD ENTRY WHEN THE 64 CHAR/96 CHAR SWITCH IS SET AT THE 64 CHAR POSITION.

Figure B-2. Display Alphanumeric Repertoire (Sheet 3 of 3)

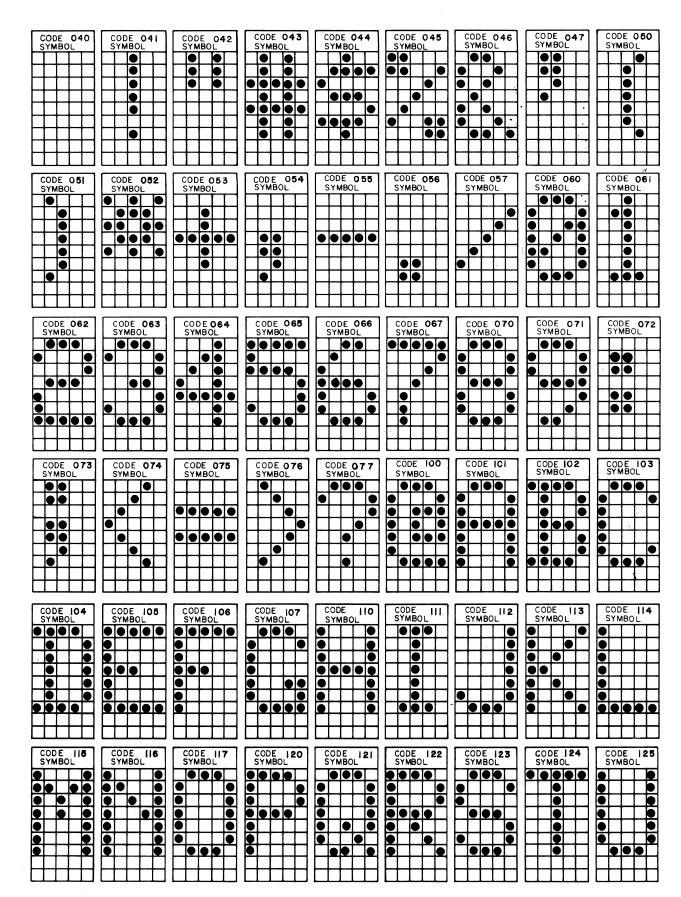


Figure B-3. Nonimpact Printer Character Repertoire (Sheet 1 of 2)

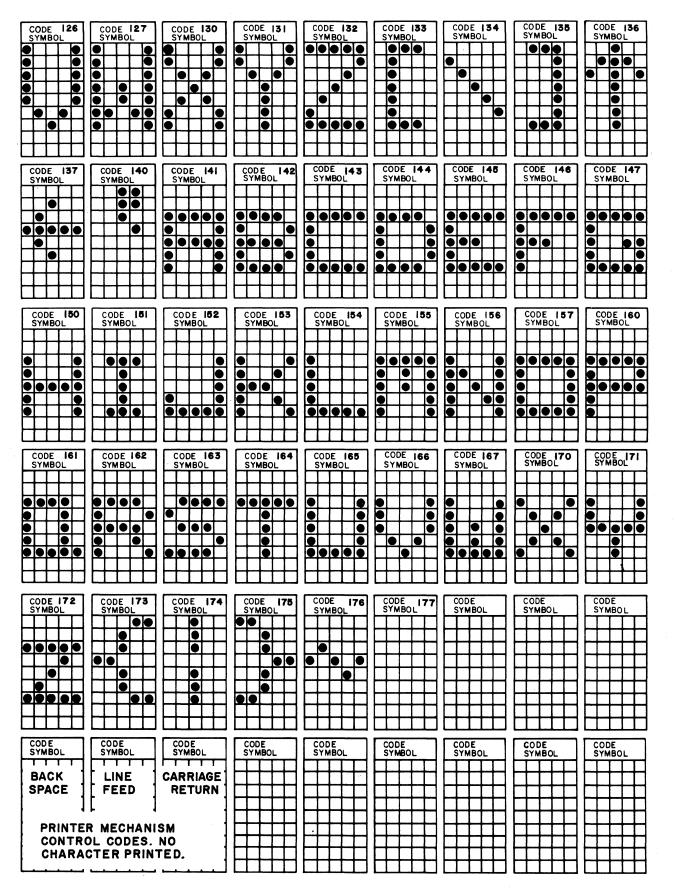


Figure B-3. Nonimpact Printer Character Repertoire (Sheet 2 of 2)

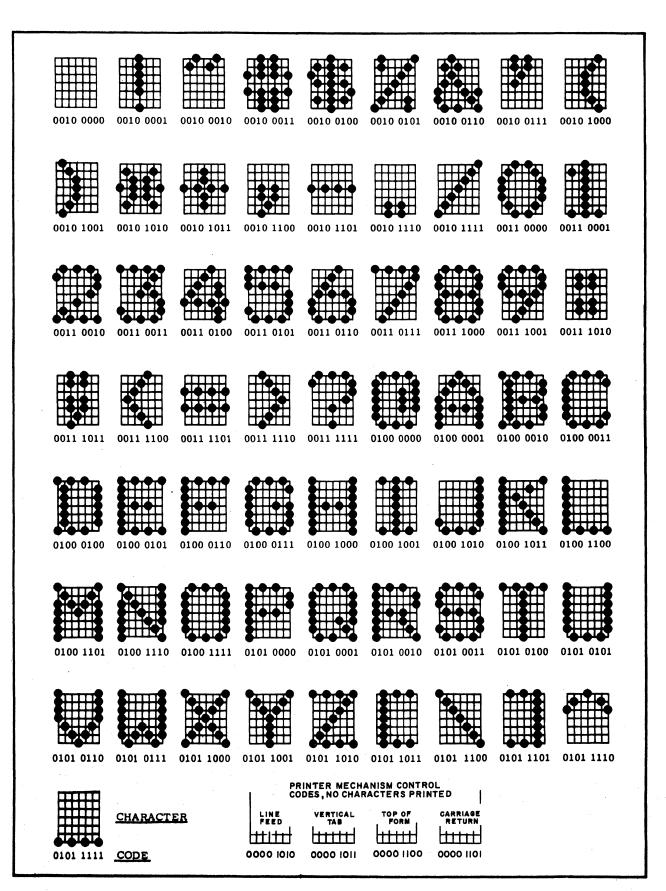
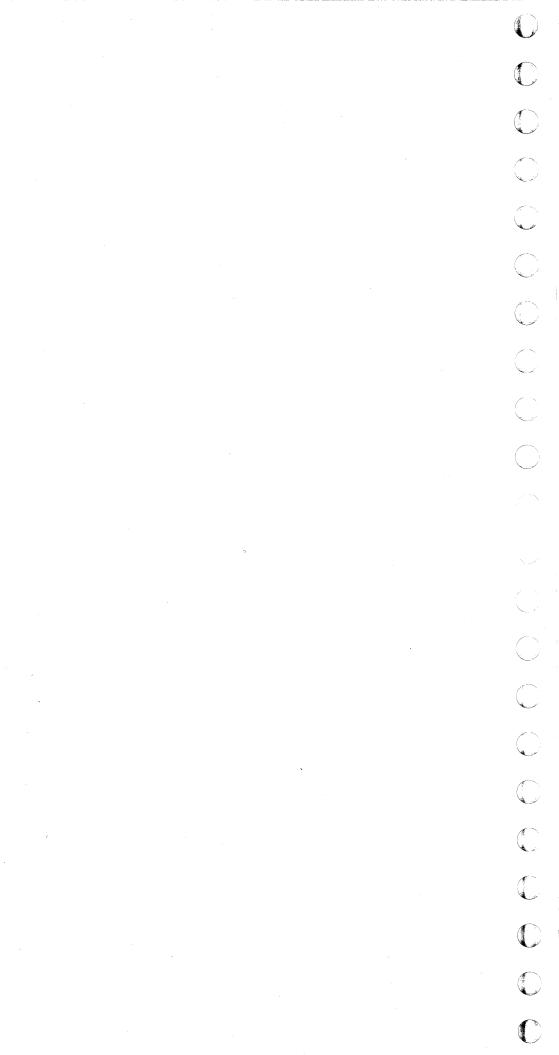


Figure B-4. Impact Printer Standard 64-Character ASCII



MISCELLANEOUS GENERAL PRECAUTIONS AND INFORMATION

C

This appendix contains: 1) MOS circuit handling precautions, 2) subsystem test mode diagnostic printer patterns, 3) impact printer test print pattern, 4) tape unit test pattern (recommended), 5) decimal-octal-hexadecimal conversions, and 6) installation options sheets.

MOS CIRCUIT HANDLING PRECAUTIONS

Integrated circuits consisting of MOS (metal-oxide semiconductor) elements are susceptible to unrepairable damage if exposed to excessive static electricity. Since such excess charge can be easily built up on and carried by the person servicing the equipment which contains MOS circuits, certain MOS circuit handling precautions must be followed. The terminal subsystem contains a variety of MOS circuits throughout (ROM chips, receiver/transmitter chips, static shift register, etc.) so, rather than identify each of the many MOS circuits for special handling, it is safest to follow MOS circuit handling precautions at all times when performing installation, checkout, or any maintenance. The precautions to observe are as follows.

1) Never insert, install, remove, replace, or otherwise connect/disconnect any circuit(s) within the terminal subsystem with primary power applied to any of the cabinets and/or equipments within the subsystem. Power off for the cabinet being worked on is not sufficient. An interface adapter module, powered within another cabinet, may be supplying signals to the bus or backplane of the cabinet in which you are installing/removing a MOS circuit. This may be sufficient to damage the MOS circuits upon initial contact with the powered circuit.

WARNING

When observing static grounding precautions, do not touch powered-on electrical equipment and chassis frame at the same time.

2) Before touching, grasping, or handling any circuit, connector, cable, or bus/backplane - always touch hand(s) to an exposed portion of the associated chassis frame to equalize potentials (bleed off any possible static charge from your hands onto the ground-level chassis).

- 3) Especially in dry ambient air, any movement may cause static electricity build up due to friction. In the case of shuffling one's feet across a dry carpet, such charge may be quite high and may easily jump from a cable connector being held onto the pins being mated to on an equipment. This could damage the MOS circuits within the equipment. Thus, the chassis frame must always be touched immediately before connecting any cable to it.
- 4) When removing, replacing, or otherwise handling any assembly/module which contains MOS circuits, do not touch circuit paths or conductors if at all possible. Do not carry a MOS circuit assembly across a room while touching its circuits.
- 5) When a module is out of its chassis, if it is to lay somewhere where it may be touched, if it is to be carried to some other location, or if it is to be shipped, always try to keep it in a special conductive bag or other approved MOS circuits protective container/wrapping.

SUBSYSTEM TEST MODE DIAGNOSTIC - SECTION 6, PRINTER PATTERN

Test Section 6 of the Subsystem Test Mode Diagnostic (described at the beginning of Maintenance, section 6 in volume 2 of this manual) should issue a fixed output to any printer connected as a peripheral in the terminal subsystem. This output will result in a set pattern printout if all portions of the subsystem involved with printout are operating correctly. Figure C-1 shows the exact pattern a nonimpact printer should print, and figure C-2 shows the exact pattern to expect from an impact printer which has 96-character capability.

!~#\$%&*()*+;-../0123456789:#<=>?@ABCDEFGHIUKLMNOFQRSTUVWXYZE\J^_\abcdefshiJklmno!~#\$%&*()*+;-../0123456789:#<=>?@ABCDEFGHIUKLMNOFQRSTUVWXYZE\J^_\abcdefshiJklmno "#\$%&* () *+,-../0123456789:; (=>?@AECDEFGHIJKLMNOPGRSTUVWXYZE\J^__\abcdefshijklmnop #\$X&*()*+;-../0123456789:;<=>?@ABCDEFGHIUKLMNOPQRSTUVWXYZE\I^__^abcdefehijklmnopq \$%&*()*++-./0123456789:;(=>?@ABCDEFGHIJKLMNOFQRSTUVWXYZE\]^__\abcdefshijklmnopqr %&*()*+,-./0123456789*;(=)?@ABCDEFGHIUKLMNOPQR8TUVWXYZENIAL`abcdefshijklmnopqns &* () *++-../Q123456789:;{=>?@ABCDEFGHIUKLMNOFQRSTUVWXYZENIA_\abcdef9hiUk1mnopqnst *()*++--_/0123456789*;(=>?@AECDEFGHIJKLMNOPQRSTUYWXYZENJ^_\abcdefshijklmnopqnstu () x+,-,/0123456789: f(=)?@ABCDEFGHIJKLMNOFQRSTUVWXYZEN3^_ \abcdefehijk1mnopgrstuv)*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZE\I^_^abcdefshijklmnopqrstuvw *+;-../0123456789*;{<=>?@ABCIEFGHIUKLMNOFQRSTUVWXYZENJ^_`abcdefshijk1mnopgrstuvwx +,-./0123456789:;<=>?@AECDEFGHIUKLMNOPGRSTUVWXYZE\J^_\abcdefshijklmnopgrstuvwxy -./0123456789:;{=>?@ABCDEFGHIJKLMNOFQRSTUVWXYZE\]^__\abcdefshijklmnopqnstuvwxsz{ ./0123456789:;{=>?@ABCDEFGHIJKLMNOFQRSTUVWXYZE\]^_\abcdefshijklmnopqnstuvwxsz{} /0123456789::K=>?@ABCDEFGHIJKLMNOPQFGTUVWXYZE\J^_\abcdefshijklmnopqrstuvwx9z() $0123456789 * \sharp \langle = \rangle? @AECDEFGHIJKLMNOPQRSTUVWXYZENIAL `abcdefshijklmnopgrstuvwxsz<math>C \mid 2\%$ 123456789: (<=>?@ABCIEFGHIUKLMNOFQRSTUVWXYZE\3^_\abcdefshiuklmnopqnstuvwx9z613^ 456789##K=>?@ABCDEFGHIUKLMNOFQR6TUVWXYZENJ^__\abcdefshjjklmnopgrstuvwxszt{}>~_!~# 56789:;<=>?@ABCDEFGHIJKLMNOFGRSTUVWXYZE\]^_ `abcdefshijklmnopgrstuvwxyz(;)^ !"#\$ 6789*#<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZENIA_\abcdefehijklmnopqnstuvwxyz(!)^ !/##% 789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZE\I^_ `abcdefehiJklmnopqnetuvwxezci)^ !~#\$%& 89:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZE\I^_ `abcdefehiJklmnopqnetuvwxezci)^ !~#\$%&* 9:#<=>?@ABCDEFGHIUKLMNOPQR8TUVWXYZENIAL\abcdefshijklmnopgnstuvwxyze(;)^ !/#\$%&/{ ##K=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZENJA...\abcdefahijklmnopqnstuvwxyzcij\~ !*##X&* () #<=>?GABCDEFGHIJKLMNOPQRSTUVWXYZENI^_\abcdefshijklmnopgrstuvwxyzE\i^ !"\$\$%&*()*
<=>?GABCDEFGHIJKLMNOPQRSTUVWXYZENI^_\abcdefshijklmnopgrstuvwxyzE\i^ !"\$\$%&*()*+ =>?@ABCDEFGHIJKLMNOFQRSTUVWXYZE\In_\abcdefshijklmnopqnstuvwxsz613~ !~#\$%&*()*+; >?@ABCDEFGHIUKLMNOPQRSTUVWXYZE\3^_\abcdefshijklmnopgrstuvwxsz()>^ !~#\$%&*()*++--?@ABCDEFGHIUKLMNOPQRSTUVWXYZE\3^_\abcdefshijklmnopgrstuvwxsz()>^ !~#\$%&*()*++--. @ABCDEFGHIUKLMNOPQFSTUVWXYZE\J^_ `abcdefshijklmnopqrstuvwxyz(;)^ !~#\$%&*()*+,-./ ABCDEFGHIJKLMNOFQRSTUVWXYZE\lin_\abcdefshijklmnopgrstuvwxyz(|)^ !"#\$%&'()*+,-./o BCDEFGHIJKLMNOPQRSTUVWXYZENIA_`abcdefshijklmnopqrstuvwxszett>* !~#\$%&* () *++-./01 CDEFGHTUKLMNOPGRSTUVWXYZENIA_^abcdefehijklmnopgnstuvwxazeij>~ ! "##%&! () ***;-.../012 DEFGHIJKLMNOPGRSTUUUXYZE\]^_\abcdefshijklmnopgrstuvwxsz()>\ !~#4%&1()*+,-_./0123 EFGHIJKLMNOPGRSTUUUXYZE\]^_\abcdefshijklmnopgrstuvwxsz()>\ !~#4%&1()*+,-_./01234 FGHIJKLMNOFQRSTUVWXYZENJA_ Nabodefahijklmnoparatuvwxwz010* !"#4K&*()*++-_./012345 GHI_KLMNOPGRSTUVWXYZE\.I^_ \abcdefshiJklmnopgnstuvwxxzctp^ + "#\$%&* () *+;-../0123456 HILKLMNOPORSTUVUXYZENIA_`abcdefehijklmnoparetukukwez(!)~ !"##%&*()#++-_./01234567 I_KLMNOPORSTUUNXYZE\3^_\abcdefehijklmnonanstuvwxyz6!3^ !~#\$%%*()*+.-./012345678 UKLMNOFQRSTUVWXYZENR^_\abcdefshijklmnopqnstuvwxyz€(2^ !~#*%&*()*+;-../0123456789 KLMNOPQRSTUVWXYZENJALiabadefehijkimopqastuvwxez(|)* | /*#*/&* () **;-../0123456789* LMNOPQRSTUVWXYZENIA_\abcdefshijklmnopqhstuvwxyz({)^ !*#\$%&*()**;-.../0123456789*; MNOPQRSTUVWXYZE\J^...\abcdefshijklmnopqrstuvwxyz(|)^ !"#\$%&!()*+,-./0123456789*;< NOFGRSTUVWXYZENIA_Nabcdefshijk1mnopgrstuvwxszc()^ ! "#\$%&f() *++-_./0123456789#\${= OPGRSTUVWXYZEN.3^_ \abcdefshijk1mnopgrstuvvvvæc(;)^ ! "#\$%\$*() *+;--_/0123456789*;(=> PQRGTUUMXYZEN3^_\abcdefehijklmnonunstuvmyet(;)~ |****/&**()*+*--_/0123456789**(=>? QRSTUNUXYZE\3^_\abcdefehijklmnonanstunuxyz(;)\ | "##%%"()*+;-_/0123456789";(=>?@ RSTUMMYYZĒNJān_habodefehijklimnonanstuvkkyzt(;}% | [~#*%&f() *+;-.../0123456789=#<=>?@A STUMMYYZENJA_lobcdefshijklmnongretuvwysz(;)% | *****.../0123456789**(=>70AB TUMMXYZENIA-_abcdefehijkimnoparstuvwxez(;)* ! "#\$%&*()*+,-./0123456789*;<=>?@ABC UVWXYZENIA__`abcdefshijklmnoparstuvwxyztia^ !~#\$%&*()*+;-_./0123456789*;(=>?@ABCD VWXYZENIA_^abcdefshijkImnopgastuvwxszti3^ ! "#\$%&*()*+,-../0123456789*;(=>?@ABCDE WXYZENIA_labadefehijkimnopanetuvwxyz(1)~ !"#\$%&*()*+;-../0123456789*;(=>?@ABCDEF XYZENIA_`abcdefshijklmnopqnstuvwxsztij* !*#\$%&*()*+,-./0123456789*;{=>?@ABCDEFG YZENJ^_ `abcdefshijklmnopqrstuvwxyzCl>^ ! "#\$%&*() #+,-../0123456789#\$<=>?@ABCDEFGH ZENTAL `abcdefshijklmnoparstuvwxyz(;)^ !"#\$%&*()*+;-./0123456789:;<=>?@ABCDEFGHI ENIAL abodefehijkimnopanstuvwxeetion ! "##%&*() *+;-.../0123456789: \$<=>?@ABCDEFGHIJ NIAL`abcdefshijklmnopgrstuvwx9z(i)* !~4*%&f()*+;-./0123456789*;{=>?@ABCDEFGHIJK]^_`abcdefshiJklmnopgnstuvwxyzcl}^ !*#\$%&*()*+;-_./0123456789*\$<=>?QABCDEFGHIJKL Sometime and the State of the State of the company of the company of the State of t AND COMPARED PROPERTY AND A PROPERTY OF A PROPERTY OF THE LAST AND

Figure C-2. Subsystem Test Mode Impact Printer Output

MATRIX PRINTER TEST PRINT PATTERN

Activating the TEST PRINT switch on the impact printer should produce a set pattern printout by the peripheral impact printer independent of the rest of the terminal subsystem. This is a means of checking for correct operation of the impact printer without introducing possible outside errors. Figure C-3 shows the exact pattern expected from any impact printer.

C-5

BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									
BB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB	BBBB B									

Figure C-3. Impact Printer Test Print Pattern

TAPE UNIT TEST PATTERN (RECOMMENDED)

A recommended test pattern, which can be composed on the keyboard display screen, written on tape, and read back from tape onto the display screen, appears in figure C-4. Such a pattern may be written on a tape and read/written back and forth between the display and an associated peripheral tape unit to verify correct tape unit operation within the terminal subsystem.

62962300 A C-7

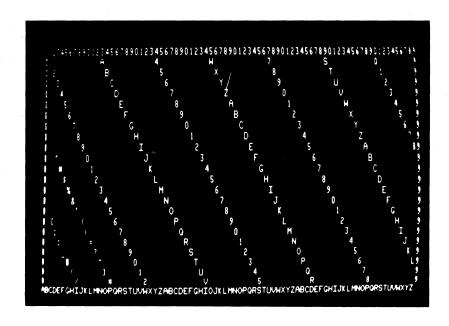


Figure C-4. Tape Unit Test Pattern (Recommended)

DECIMAL - OCTAL - HEXADECIMAL CONVERSIONS

To advance tape to a specific written record on a peripheral tape cassette unit, one must identify such record by its hexadecimal location on tape with respect to the first record location at beginning of tape (BOT) being record 000_{16} . A typical cassette tape track can contain approximately 1200_{10} (4B0₁₆) records when each record contains 128 characters of 11 bits per character. Table C-1 provides the decimal, octal, and hexadecimal equivalents for all numbers from 000_{16} up to 5FF₁₆. This adequately covers the range of numbers which can designate record locations on a peripheral tape unit used in the terminal subsystem.

62962300 A C-9

•																			
			DECIM	AL - 1	HEXADI	ECIMAI	_	COI	NVERS	ON	TABLE			· · (DCTAL	- HE	KADEC	IMAL	
	1 0	1	2	3	4	5	6	7	8	9	1	. 0	1,	2	3	4.	5	. 6	7
0	. 0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	00000	, , 0000	0001	0002	0003	0004	0005	0006	000
	I DDDA										00010						-		
_	0014	-									00020						_		
30	1 001E	001F	0020	0021	0022	0023	0024	0025	0026	0027	00030	0018	0019	001A	001B	001C	001D	001E	001
40	0028	0029	002A	002B	002C	002D	002E	002F	0030	0031	00040	i 002 0	0021	0022	0023	0024	0025	0026	0.02
	1 0032										00050								
	0030										00060								
70	I 0046 I	0047	0048	0049	UU4A	0048	004C	0040	004E	U U 4 F	00070	1 0038 1	0039	UUSA	0038	0030	0030	003E	003
_	1 0050										00100							-	
	1 005A							•			00110			3.7					
_	1 0064										00120								
	1 006E	uuor	00/0	00/1	00/2	00/3	00/4	00/5	0076	00//	00130	1 002 6 1	0029	UUDA	0026	0026	טכטט	0025	000
	1 0078					–		-			00140								
	0082										00150								
	0080										00160								
150	I 0096	0097	0090	יפטט	UUYA	0038	0090	0090	0095	0091	00170	1 00/ 8 1	0079	UU/A	0078	0076	0070	0076	007
160	1 00A0	00A1	00A2	00A3	00A4	00A5	00A6	00A7	8400	00A9	00200	0080	0081	0082	0083	0084	0085	0086	008
	I DOAA										00210								
_	1 0084		-		-			-		_	00220								
190	1 00BE	0086	0000	0001	0002	0003	0004	0005	0006	0007	00230	1 0098 1	0099	UUYA	0098	0090	0090	0095	009
200	1 00C8	00C9	OOCA	00CB	OOCC	00CD	00CE	00CF	0 O D O	00D1	00240	1 00A0	00A1	00A2	00A3	00A4	00A5	00A6	00A
_	1 00D2	_						-			00250								
_	I OODC										00260								
230	1 00E6	00E7	00E8	00E9	DOEA	00EB	OOEC	0060	0066	OOEF	00270	I 008 8 I	0089	OOBA	0088	00BC	0080	00BE	008
240	1 00F0	00F1	00F2	00F3	00F4	00F5	00F6	00F7	00F8	00F9	00300	00C 0	00C1	00C2	00C3	00C4	00C5	00C6	00C
250	I OOFA	OOFB	OOFC	OOFD	OOFE	OOFF	0100	0101	0102	0103	00310	I, 00C8	00C9	OOCA	OOCB	OOCC	OOCD	OOCE	00C
-	0104										00320								
270	1 010E	010F	0110	0111	0112	0113	0114	0115	0116	0117	00330	1 00D 8 1	0009	OODA	OODB	OODC	OODD	OODE	000
280	0118	0119	011A	011B	011C	011D	011E	011F	0120	0121	00340	00E0	00E1	00E2	00E3	00E4	0065	00E6	00E
	1 0122										00350								
	1 012C			-			-	-			00360								
310	I 0136 I	0137	0138	0139	U13A	013B	U13C	013D	013E	U13F	00370	I 00F 8 I	00F9	OOFA.	OOFB	OOFC	OOFD	OOFE	0 O F
	0140										00400								
	I 014A										00410								
	0154							-			00420								
350	I 015E I	015F	U160	0161	0162	U163	U164	0165	U166	U167	00430	011 8 	U119	UllA	0118	011C	0110	0116	011
	0168							-			00440				-				
	1 0172										00450								
-	1 017C										00460								
.500	1 0186	0187	U188	U189	UIBA	0188	018C	0180	UlbE	UIBF	00470	i 013 8	0159	UISA	0138	013C	U13D	013E	013

C-11

TABLE C-1. DECIMAL-HEXADECIMAL AND OCTAL-HEXADECIMAL CONVERSION (SHEET 2 OF 5)

			DECIM	A1 - 1	HEXADE	CIMAL		CON	NVERS	ON	TABLE				C	OCTAL	- HE	(ADECI	MAI		
	0	1	2	3	4	5	6	7	. 8	9		,	0	1	2	3	4	5	6	7	ı
410 I 420 I	0190 019A 01A4 01AE	0191 019B 01A5	0192 019C 01A6	0193 019D 01A7	0194 019E 01A8	0195 019F 01A9	0196 01A0 01AA	0197 01A1 01AB	0198 01A2 01AC	0199 01A3 01AD	00500 00510 00520 00530	1	0140 0148 0150	0141 0149 0151	0142 014A 0152	0143 0148 0153	014C 0154	0145 0140 0155	0146 014E 0156	0147 014F 0157	l l
450 I	0188 01C2 01CC 01D6	01C3 01CD	01C4 01CE	01C5 01CF	01C6 01D0	01C7 01D1	01C8 01D2	01C9 01D3	01CA 01D4	01CB 01D5	00540 00550 00560 00570	1	0168 0170	0169 0171	016A 0172	016B 0173	016C 0174	016D 0175	016E 0176	016F 0177	
490 I 500 I	01E0 01EA 01F4 01FE	01EB 01F5	01EC 01F6	01ED 01F7	01EE 01F8	01EF 01F9	01F0 01FA	01F1 01FB	01F2 01FC	01F3 01FD	00600 00610 00620 00630	1	0188 0190	0189 0191	018A 0192	0188 0193	018C 0194	018D 0195	018E 0196	018F 0197	
530 I 540 I	0208 0212 021C 0226	0213 021D	0214 021E	0215 021F	0216 0220	0217 0221	0218 0222	0219 0223	021A 0224	0218 0225	00640 00650 00660 00670	1	01A8 01B0	01A9 01B1	01AA 01B2	01AB 01B3	01AC 01B4	01AD 0185	01AE 01B6	01AF 01B7	
570 I 580 I	0230 023A 0244 024E	023B 0245	023C 0246	023D 0247	023E 0248	023F 0249	0240 024A	0241 024B	0242 0240	0243 024D	00700 00710 00720 00730	1	01C8 01D0	01C9 01D1	01CA 01D2	01CB 01D3	01CC 01D4	01CD 01D5	01CE 01D6	01CF 01D7	1
610 I 620 I	0258 0262 026C 0276	0263 026D	0264 026E	0265 026F	0266 0270	0267 0271	0268 0272	0269 0273	026A 0274	026B 0275	00740 00750 00760 00770	1	01E8 01F0	01E9 01F1	01EA 01F2	01EB 01F3	01EC 01F4	01ED 01F5	01EE 01F6	01EF 01F7	
650 I	0280 028A 0294 029E	028B 0295	028C 0296	028D 0297	028E 0298	028F 0299	0290 029A	0291 029B	0292 029C	0293 029D	01000 01010 01020 01030	1	0208 0210	0209 0211	020A 0212	020B 0213	020C 0214	020D 0215	020E 0216	020F 0217	1
690 I 700 I	02A8 02B2 02BC 02C6	02BD	0284 028E	0285 028F	02B6	02B7 02C1	02C2	02B9 02C3	02BA 02C4	02BB 02C5	01040 01050 01060 01070	1	0228 0230	0229 0231	022A 0232	022B 0233	022C 02 34	022D 0235	022E 0236	022F 0237	i i
730 I 740 I	02D0 02DA 02E4 02EE	02DB 02E5	02E6	02DD 02E7	02DE 02E8	02DF 02E9	02E0	02E1 02EB	02EC	02E3 02ED	01100 01110 01120 01130	 	0248 0250	0249 0251	024A 0252	024R 0253	024C 0254	024D 0255	024E 0256	024F 0257	1
770 I 780 I	02F8 0302 030C 0316	0303 030D	0304 030E	0305 030F	0306 0310	0307 0311	0308 0312	0309 0313	030A 0314	030B 0315	01140 01150 01160 01170	1	0268 0270	0269 0271	026A 0272	026B 0273	02 6 C	026D 0275	026E 0276	026F 0277	1

								COM	VERS	ON	TABLE								
		1	DECIM	AL - I	HEXADE	CIMAL	-							(DCTAL	- HE)	ADEC	MAL	
1 1	0	1	2	3	4	5	6	7	8	9	1	0	1	2	3	4	5	. 6	7 1
1 800 I	0320	0321	0322	0323	0324	0325	0326	0327	0328	0329	01200	1 1 0280	0281	0282	0283	0284	0285	0286	0287 1
810	032A	032B	032C	032D	032E	032F	0330	0331	0332	0333	01210								
_	0334	-								-	01220		_						
1 830 I	033E	U33F	0340	0341	0342	0343	0344	0345	0346	034/	01230	1 029 8 1	0299	029A	0298	029C	0290	029E	U29F 1
	0348										01240								
	0352			-		_					01250								
	035C										01260 01270								
1. 370	0000	0007	0300	0007	0304	0000	0300	0000	0000	0001	01270	1 0200	02.07	0204	0200	0.00	0200	0200	1
-	0370							-			01300								
	037A										01310 01320								
_	038E							-			01330								
1	700	.7				. 7.00	0705	4705		0714		1 2252	0054	0050				-054	1
	0398			-		-					01340 01350								
	03AC			-			_	-			01360								
	03B6										01370								
 940	03C0	0301	0302	0303	0304	0.305	በፕሮፋ	0307	0.308	0.300	01400	1 1 0300	0301	0302	0.303	0304	0305	0386	0307 1
	03CA										01410								
	03D4										01420								
990	03DE	03DF	03E0	03E1	03E2	03E3	03E4	03E5	03E6	03E7	01430	0318	0319	031A	031B	031C	031D	031E	031F
I 1000 i	03E8	03E9	03EA	03EB	03EC	03ED	03EE	03EF	03F0	03F1	01440	0320	0321	0322	0323	0324	0325	0326	0327
	03F2										01450								
_	03FC							-			01460				-				
 1020	0406	U4U/	U4U0	U4U9	UAUA	0408	0400	עני 4יט	0406	U4UF	01470	USS 6 	0339	UJJA	USSB	0336	USSU	USSE	1000
	0410										01500								
	041A			-				-			01510					-			
	0424 042E			-				-			01520 01530				-	-			
1											1 02300	1	00,7	•••	0000		00,0	0032	i
	0438			-				-	-	_	01540							-	
	0442 044C			-			-	-			01550 01560	-		-					
	0456							-			01570			-	-	-			
1				_								1			_		-	-	1
	0460	-		-				-			01600				-				
	046A										01610 01620								
	047E										01630	-			-			-	
1	l										1	l							· ·
	0488			-				-		_	01640								
	0492 0490			-				-			01650 01660	-			-	-			
	0446										01670								
1	1										1	1		. '			*		, .

C-13

TABLE C-1. DECIMAL-HEXADECIMAL AND OCTAL-HEXADECIMAL CONVERSION (SHEET 4 OF 5)

						UEVAR			CO	NVERS	ON	TABLE				20741					
			1	DECIM	AL -	HE X A D I	ECIMAL	-							,	JUTAL	- HE	KADECI	MAL		
1		1 0 ·	1	2	3	4	5	6	7	8	9	1	1 0	1	2	3	4	5	6	7	1
i.	1200											01700				-					
۱	1210			_					-			01710	-	-							
!	1220	-			-						-	01720	-				_				
•	1230	1 0466	U4CF	טערט	0401	0402	0403	0494	0405	סע 4 ט	U4U/	01730	1 USD S	0309	USUA	บงบธ	บงบับ	0300	USUE	USUF	ì
١	1240	_			-				-		_	01740	-			-					
1	1250	-			-				-			01750				_					
!	1260				-				-	-		01760				•				-	
! -	1270	1 9470	U 4F /	U470	UMFY	UAFA	U4FB	U 4 F C	U4F D	U4F E	U4FF	01770	l USFB	0319	USFA	0318	USFC	0 3F D	USFE	USFF	i
ı	1280 I											02000	-								
1	1290											02010									
	1300	-							-			02020									
! !	1310) Dote	DOTE	U22U	0521	0722	0523	0524	0525	0220	0527	02030	1 0410	0419	OATA	0418	0410	0410	U-1E	U 4 1 F	i
ı	1320	-			-				-			02040	-								
1	1330	_							_			02050									
!	1340								•	-		02060					- •				
! 	1350 I	U240 	0247	U290		UDTA	U 2 4 5	0246	0240	リンサビ	U24F	02070	1 0436	0439	UTSA	0438	0430	U 4 3 D	U 4 3 E	U 4 3 F	1
1	1360	0550	0551	0552	0553	0554	0555	0556	0557	0558	0559	02100									
1	1370	-							-			02110									
l	1380								-			02120									
! 	1390	056E	0561	0570	05/1	05/2	05/3	05/4	05/5	05/6	0577	02130	1 0458 1	0459	045A	0458	045C	045D	045E	045F	1
ı	1400											02140	0460	0461	0462	0463	0464	0465	0466	0467	ŧ
ı	1410							-		-		02150	-			-	_				
١.	1420	_							-			02160									
! !	1430	0596 	0597	0598	0599	USYA	0598	059C	059D	059E	059F	02170	1 04/8 1	0479	04/A	0478	047C	047D	047E	04/1	1
ł	1440	0540	05A1	05A2	.05A3	05A4	05A5	05A6	0547	0548	05A9	02200	0480	0481	0482	0483	0484	0485	0486	0487	i
į	1450											02210	0488	0489	048A	048B	048C	048D	048E	048F	1
•	1460						-					05550				•					
	1470	0586	0581	0500	0501	0502	0503	05C4	0505	0506	05C7	02230	0498	0499	049A	0498	049C	049D	049E	0491	!
	1480	0508	0509	05CA	05CR	0500	กรตก	05CE	050F	nsnn	0501	02240	1 1 0440	0441	0442	0443	0444	0445	0446	0447	1
	1490											02250									
1	1500 1											02260				-		_			
	1510 I	05E6	05E7	05E8	05E9	05EA	05EB	05EC	05ED	05EE	05EF	02270				-					
•												1.	ł							_	i
1	1520				-		-		-	-		02300			-						
	1530 1	05FA	05FB	05FC	05F D	05FE	OSFF	0600	0601	0602	0603	02310									
												02320				-					
												02330	1 040 8	0409	UADA	שטייט	0400	ט 4טט	いずひこ	יע די ט	1
												02340	I 04E0	04E1	04E2	04E3	04E4	04E5	04E6	04E7	i
												02350				-					
												02360						_			
												02370	1 04F8	04F9	04FA	04FB	04FC	04FD	04FE	04FF	1
												1	1								1

TABLE

CONVERSION

DECIMAL - HEXADECIMAL

0

OCTAL - HEXADECIMAL

TERMINAL SUBSYSTEM INSTALLATION OPTIONS SHEETS

Refer to Installation and Checkout paragraph heading in section 3 (volume 2) for instructions for filling in the Terminal Subsystem Installation Options Sheet which follows. A copy of this sheet should be used as a fill-in worksheet at each/every terminal subsystem location, regardless of whether initial installation or a service call is taking place. Two copies of this worksheet are provided for convenience. Duplications of these may be made as required. The final information recorded on the worksheet must always be filled in and checked for accuracy on the corresponding sheet in the user's operators guide for the terminal subsystem.

CAUTION

Proper knowledge of and use of the various supplemental functions (otherwise termed options) and switch settings are the most important item in achieving and maintaining proper terminal subsystem operation.

TERMINAL SUBSYSTEM INSTALLATION OPTIONS SHEET

The following list is to be completed by the customer engineer who installs this terminal at your site. Please review this list before operating the terminal. Knowledge of the options installed and of the internal switch setting is necessary to terminal operation. If this list has not been completed, ask your site supervisor to have someone complete it.

A check mark indicates the installed option or switch setting for your site. Options or switch functions that represent alternative choices are listed side-by-side.

OPTI	ONS INSTALLED			
	Multidrop Option with	Protocol	or —	Auto Answerback Option
	Current Loop Option	•	or —	External Modern Option
	Extended Memory Option (24-line displ	ay)		
	Highlighting Option	,,		
	Edit Option			
	Tape Cassette Control Option		or —	Paging Option
	Printer Control Option		<u>.</u>	
	RNAL SWITCH SETTINGS			,
	EOT Disconnect Enable		or —	EOT Disconnect Disabled
	60-Hz Refresh			50-Hz Refresh
	Scroll Enable			Scroll Disabled
	EOT Termination Code Enabled			EOT Termination Code Disabled
	Constant Request To Send (RTS)			Switched Request To Send
	ETX Termination Code Enabled			ETX Termination Code Disabled
	Constant DTR Enabled			Switched DTR Enabled
	Null Background Character			Space Background Character
	Termination Code Transmission Enabled			Termination Code Transmission Disabled
	Circuit Assurance Enabled			Circuit Assurance Disabled
	Protected Field Transmission Enabled			Protected Field Transmission Disabled
				X-Y Positioning Disabled
	Batch Mode Enabled			Batch Mode Disabled
	Wraparound Enabled			Wraparound Disabled
	Mark Parity			Space Parity
		Low	Oi .	space rainy
	Printer Baud Rate Setting:			
	Printer Parity Enabled		or ——	Printer Parity Disabled
	Printer Parity Even			Printer Parity Odd
	Auto Print Enabled			Auto Print Disabled
	Device Control Codes Enabled			Device Control Codes Disabled
	Multidrop SIC/SCC		0.	Sevice Collifor Codes Sisterior
	Switched Carrier		or —	Unswitched Carrier
	Test Poli			Ready to Send
	SIC Response Enabled			SIC Response Disabled
	Poll Acknowledge Enabled			Poll Acknowledge Disabled
	Stop on ETX Enabled			Stop on ETX Disabled
	Stop on STX Enabled			Stop on STX Disabled
	Stop on SOH Enabled			Stop on SOH Disabled
	Unblind on SOH Enabled			Unblind on SOH Disabled
NST	ALLATION DATA		- ,	
			Tanada	Configuration Code
	Terminal Serial Number			Configuration Code le Display)
	Terminal Installed by		•	Date
	*			

C-16

TERMINAL SUBSYSTEM INSTALLATION OPTIONS SHEET

The following list is to be completed by the customer engineer who installs this terminal at your site. Please review this list before operating the terminal. Knowledge of the options installed and of the internal switch setting is necessary to terminal operation. If this list has not been completed, ask your site supervisor to have someone complete it. A check mark indicates the installed option or switch setting for your site. Options or switch functions that represent alternative choices are listed side-by-side.

OPTIONS INSTALLED

Multidrop Option with ______ Protocol or ____ Auto Answerback Option

Current Loop Option or ____ External Modem Option

Extended Memory Option (24-line display)

Highlighting Option

Edit Option

or --- Paging Option

--- Printer Control Option INTERNAL SWITCH SETTINGS

Supplementary Power Supply OptionTape Cassette Control Option

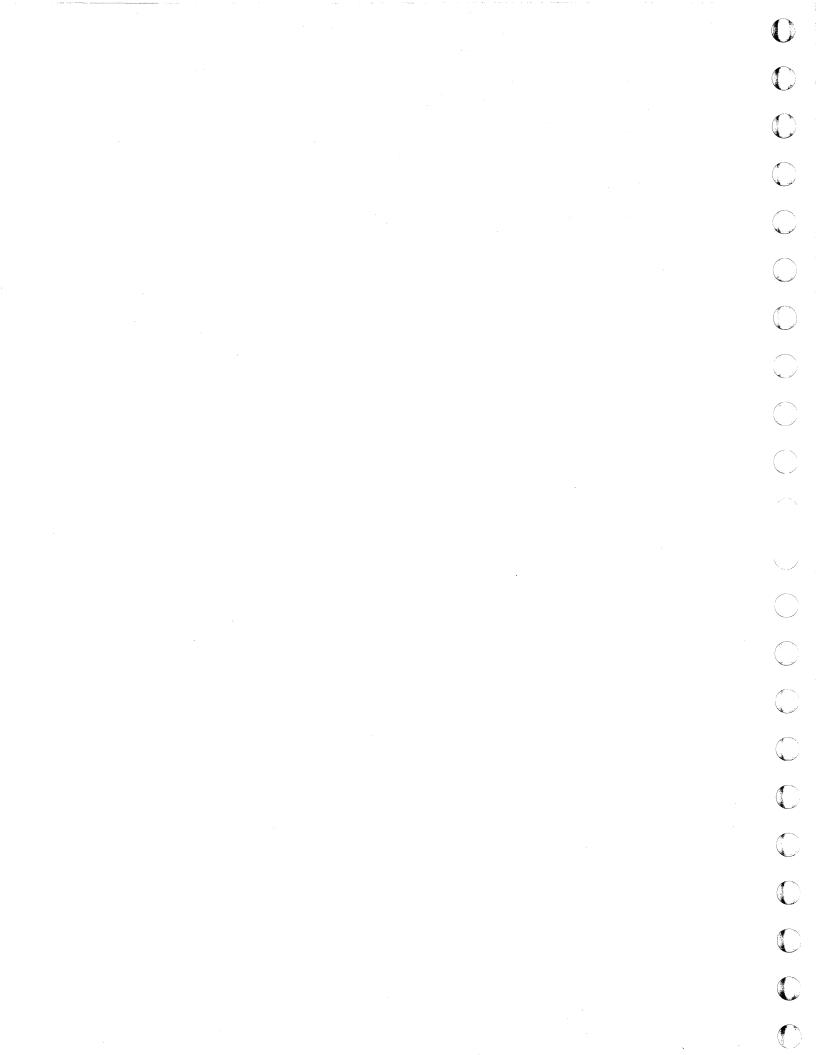
 EOT Disconnect Enable EOT Disconnect Disabled - 50-Hz Refresh - 60-Hz Refresh - Scroll Enable Scroll Disabled - EOT Termination Code Enabled EOT Termination Code Disabled Constant Request To Send (RTS) Switched Request To Send ETX Termination Code Enabled - ETX Termination Code Disabled Constant DTR Enabled - Switched DTR Enabled Space Background Character Null Background Character - Termination Code Transmission Enabled Termination Code Transmission Disabled Circuit Assurance Enabled or - Circuit Assurance Disabled - Protected Field Transmission Disabled Protected Field Transmission Enabled X-Y Positioning Enabled X-Y Positioning Disabled Batch Mode Enabled Batch Mode Disabled Wraparound Enabled Wraparound Disabled

Switched Carrier
Test Poll
SIC Response Enabled
Poll Acknowledge Enabled
Stop on ETX Enabled
Stop on STX Enabled
Stop on SOH Enabled
Unblind on SOH Enabled
Unblind on SOH Enabled
Unblind on SOH Enabled
Unblind on SOH Enabled

INSTALLATION DATA

Terminal Serial Number Terminal Configuration Code (Test Mode Display)

Terminal Installed by Date



This appendix supplements the 62962300 Hardware Maintenance 751-10 Terminal Subsystem manual by describing the 70-LPM Impact Printer. Information given here parallels the present manual breakdown of printer information. Any material not covered in this appendix can be found in the Field Service and Reference manual 95445028 (Parts Identification Manual is 95445025).

Here follows the arrangement of this appendix:

GENERAL DESCRIPTION

- o 70-LPM Impact Printer
 - o Print Mechanism
 - o Interface and Control Logic Chassis
 - o Power Supply

70-LPM IMPACT PRINTER PHYSICAL AND ELECTRICAL SPECIFICATIONS

- o Physical
- o Electrical

THEORY OF OPERATION

DDLT's and Procedures for the 70-LPM Impact Printer are available in Vol. 2 of this manual. See appendix E in Vol. 2. Also see appendix F of Vol. 2 for printer supplies information and format tape punching information.

GENERAL DESCRIPTION

EQUIPMENT DESCRIPTION FOR 70-LPM PRINTER

This section describes features and equipment specifications of the 70-LPM impact printer.

The 70-LPM printer (figure D-1) is a single head bidirectional printer. It has a print rate of 70 lines per minute (50/60 Hz) and prints a full line of 132 (7- by 9-dot pattern) characters, with a maximum short line print rate of 200 lines per minute. The standard character pitch is 10 characters per inch, with an operator selectable compressed pitch of 16.5 characters per inch. The printer has position seeking capability for increased speed throughout.

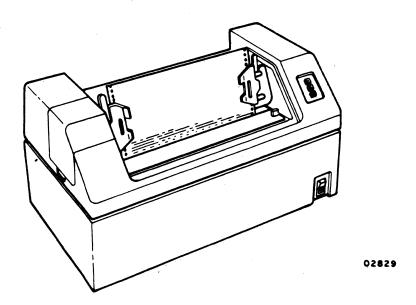


Figure D-1. 70-LPM Impact Printer

00

70-LPM IMPACT PRINTER

The printer cabinet contains the following major functional components:

- Print mechanism
- Interface and control logic chassis
- Power supply

These components appear in figure D-2 and are briefly described in the following paragraphs.

PRINT MECHANISM

The following are features of the print mechanism.

- Prints bidirectionally the printhead alternately prints a line in one direction and the following line in the opposite direction, with the printhead moving just far enough to accomplish printing.
- An operator-replaceable printhead.
- Because of automatic printhead movement, printer motion control code CR (carriage return) only ends printline character accumulation in the line buffer and does not effect printhead movement after the characters are printed.

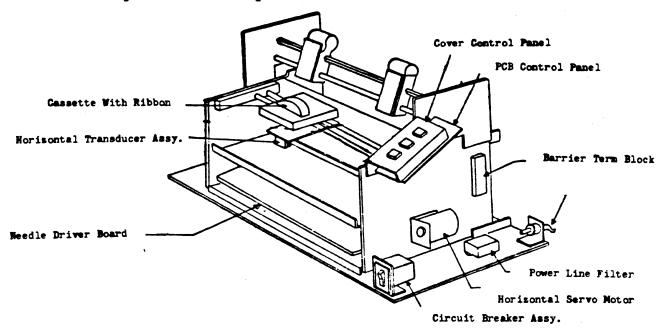
INTERFACE AND CONTROL LOGIC CHASSIS

A printer online operation is initiated when the Data Set raises the Data Set Ready line and the Received Line Signal Detect line and starts transmitting bit serial data on the Received Data line. The printer uses a UART logic chip to assemble the bit serial data into parallel words. After assembly, the character is stored in the adapter memory located on the RS-232-C interface board. The adapter memory acts as a buffer between the interface and the printer. The interface writes into it, and the printer reads out of it. Read operations are performed between write operations. During read, the character stored in the adapter memory is transferred to the printer memory. After transfer to the printer memory, operation of the buffered printer is identical to the unbuffered printer.

There are eight interface lines plus a logic ground and a protective ground between the modem and the printer. The eight interface lines are Received Data, Request To Send, Data Set Ready, Data Terminal Ready, Received Line Signal Detector, Reverse Channel, Secondary Request To Send, and Ring Indicator.

The logic chassis is located at the rear of the printer and houses all the printed circuit boards with the exception of the needle driver board assembly, vertical transducer board assembly, horizontal transducer board assembly, and control panel board assembly.

All the boards in the logic chassis are hinged at the bottom and swing down for easy access.



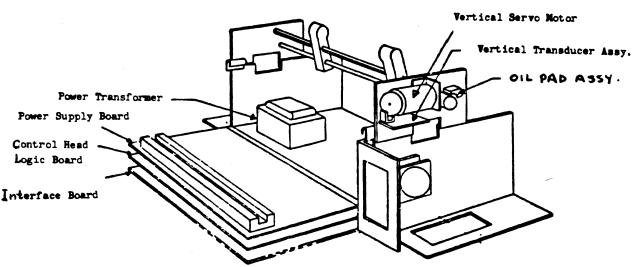


Figure D-2. 70-LPM Impact Printer Components

Volume 1 D-4

62962300 D

POWER SUPPLY

The input voltage to the transformer is stepped down to four ac output voltages. The four voltage outputs are: $+30~\rm V$ ac, $+55~\rm V$ ac, and two separate $+16~\rm V$ ac. The four ac output voltages then enter the power supply board where they are converted into dc voltages. The dc distribution is initiated on the power supply board.

The power supply developes six dc voltages: +36 V dc, -36 V dc, +5 V dc, -5 V dc, +12 V dc, and -12 V dc. The +36 V dc and the -36 V dc are used to supply power to the vertical (paper motion) and horizontal (printhead transport) servo linear power amplifiers, which in turn supplies power to the drivehead transport and paper motion servo motors; +36 V dc also provides power to the needle driver coils.

The +12 V dc and -12 V dc are used to power the servo linear control circuits. The +5 V dc and -5 V dc are used to power the controller circuits. The +5 V dc also supplies power to the servo digital control circuits.

70-LPM IMPACT PRINTER PHYSICAL AND ELECTRICAL SPECIFICATIONS

The following paragraphs describe the physical characteristics, electrical data, and environmental specifications for the 70-LPM printer.

PHYSICAL CHARACTERISTICS

The 70-LPM printer (figure D-3) has the following dimensions and weight.

Height: 13.5 in (34.29 cm)

Width: 28.5 in (73.03 cm)

Depth: 17.5 in (43.94 cm)

Weight: 98 lb (44.5 kg)

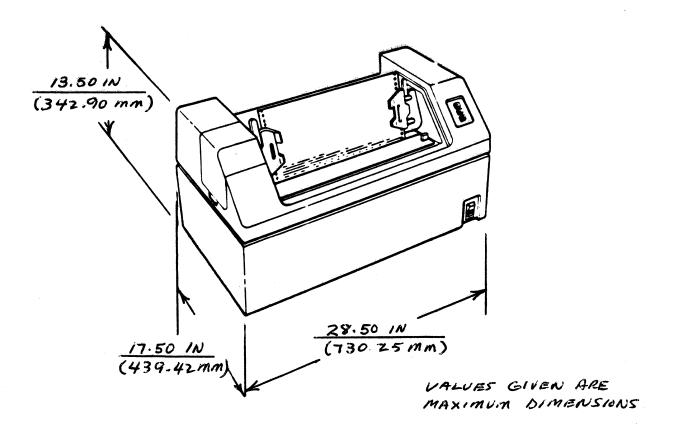


Figure D-3. 70-LPM Impact Printer Dimensions

ELECTRICAL DATA

The 70-LPM printer has the following electrical power requirements.

59 to 60.6 Hz, single-phase, 2.8 A 49 to 50.5 Hz, single-phase, 1.5 A with tap selectable ranges:

Nominal V ac	Voltage Range (V ac)
100	90 to 107
120	104 to 127
200	180 to 213
220	198 to 235
230	207 to 246
240	216 to 257
260	234 to 278

Power use of the printer is 243 watts operating and heat dissipation is 829 Btu/h.

THEORY OF OPERATION

70-LPM IMPACT PRINTER

The 70-LPM impact printer reference and field service manual (see preface for publication number) contains theory of operation for the impact printer. Since that publication is intended to be a companion manual to this one at a customer site, this appendix provides no further theory of operation description beyond that in section 1, General Description of existing manual.

Volume 1 D-8 62962300 D