

**TECHNICAL MANUAL**

**ILLUSTRATED PARTS BREAKDOWN  
FOR**

**PROGRAM TEST SET  
TS-3596/GYX**

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**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**NOVEMBER 1979**

**HEADQUARTERS**  
**DEPARTMENT OF THE ARMY**  
 Washington, DC, 30 November 1979

TM 11-7010-200-34P-4 , 30 November 1979, is published for the use of all concerned. This manual is a reprint of TO31S5-4-516-14, 11 March 1978.

By Order of the Secretary of the Army

E. C. MEYER  
 General, United States Army  
 Chief of Staff

Official:

**J. C. PENNINGTON**  
 Major General, United States Army  
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	" # C0214 (2)

**NG: NONE**

**USAR: NONE**

**For explanation of abbreviations see, AR 310-50.**

## ILLUSTRATED PARTS BREAKDOWN

SECTION I  
INTRODUCTION

1-1. GENERAL This Illustrated Parts Breakdown (IPB) lists and describes the items necessary for the support of the Test Set, Program, TS-3596/GYX. This chapter is divided into four sections: Section I, Introduction; Section II, Group Assembly Parts List (GAPL); Section III, Numerical Index; and Section IV, Reference Designation Index. It is used for requisitioning, storing, issuing and identifying parts. It is also used to illustrate assembly and disassembly relationships.

1-2. SCOPE. This IPB reflects the listing of repair parts and/or assemblies. Under certain conditions, when ordering replacement parts, only a complete assembly or subassembly may be obtainable, e.g., matched parts. Programmed memory IC's are obtainable only from the prime contractor.

1-3. GROUP ASSEMBLY PARTS LIST This section contains the complete group assembly parts list separated into figures by main groups, or assemblies, and keyed to the associated illustration by figure and index numbers. The GAPL listing is arranged into seven columns: Figure and Index Number; Reference Designation column; Description; Part Number; Units per Assembly; and Usable on Code column.

a. FIGURE and Index Number Column. The first item in the figure and index number column is the figure number of the illustration of the assembly listed. The figure number is not repeated thereafter except with the first item of listings continued on succeeding pages. The second number is the index number to key the part to the

illustration callout. Identical parts occurring in the same general location on the equipment are illustrated and indexed but once. The relation of each part to its Next Higher Assembly (NHA) or main group is shown either by indention or by figure cross-reference note.

**b. Reference Designation Column.** This column contains all reference designations used in this IPB and assigned in the unit.

**c. Description Column.** The names used are the same as those assigned on the manufacturing drawings or in the Defense Supply Agency Cataloging Handbook H6. Attaching parts are listed immediately below the items which they attach. The relation of each part to its next higher assembly is either shown by indention or cross reference.

(1) Indention. Parts listed in this column are indented to indicate item relationship or NHA. The description of each assembly is followed in the list (excepting for attaching parts) by the descriptions of its components indented one column to the right. This indention indicates the relationship of the component to the assembly. To determine the next higher assembly of a part or assembly, note the column in which the initial letter of the description appears. The first item directly above, which appears one column to the left, is the NHA (except for attaching parts).

(2) Cross Reference. The notation ("SEE FIGURE \_\_\_\_\_ FOR BREAKDOWN") following the description of a part indicates that further breakdown of the part will be shown on the figure noted. The notation ("SEE FIGURE \_\_\_\_\_ FOR NHA") following the description of a part indicates that the correct assembly relationship of a part will be shown on the figure and index number noted.



(3) **Manufacturers Codes.** Part numbers other than those of the prime contractor or government standard are designated by a five-digit code in parentheses following the description of the part. These codes are obtained in accordance with the Federal Supply code for Manufacturer's Cataloging Handbook H4-1 and H4-2. A list of manufacturers names and addresses for codes used in this manual is included at the end of this section.

d. Part Number Column. Part numbers used in this column are selected according to the following order of preference: military standards, design activity numbers and vendor numbers,

The part numbers in this manual have been converted by deleting all dashes and spaces between alphabetic and numerical characters. All diagonals (/) denoting fractions in part numbers remain, and diagonals between alphabetic and numerical characters have been deleted.

e. Units Per Assembly Column. The quantity shown in this column represents the units required for one next higher assembly, or sub-assembly. The notation "REF" (Reference) indicates this item has been previously listed under its next higher assembly. The "See Fig." notation in the description of the item will indicate the figure and index number at which the units per assembly can be determined.

f. Usable On Code Column. The absence of a code symbol in this column indicates that this part is used in all models or assemblies covered by this technical manual.

1-4. **NUMERICAL INDEX.** This section contains an alphanumeric listing of all parts that comprise the article.

**a. Part Number Column.** The order of precedence in beginning of part number arrangement of the first (left-hand) position of the part number is as follows:

Letters A through Z

Numerals 0 through 9

The second and succeeding positions of the part number from left to right is as follows:

(1) Space (blank column)

(2) Diagonal (slant)

(3) Point (period)

(4) Dash (-)

(5) Letters A through Z

(6) Numerals 0 through 9

**b. Figure and Index Number Column.** The entries in this column provide a cross reference by means of figure and index numbers to the listing of the part number in Section II (GAPL).

**c. Quantity Per Article.** The quantity shown in this column is total quantity required for each article. The abbreviation "REF" (Reference) indicates that this item has been listed twice in Section II (GAPL), once under its next higher assembly with the total quantity used and once as a reference item where a detailed breakdown is listed.

**d. Source Code Column.** Source codes indicate to maintenance and supply personnel the source of acquisition for the item for replacement purposes, i.e., procured, stocked, manufactured, or assembled. Source codes, when and if assigned, are Source, Maintenance and Recoverability Codes assigned in accordance with NAVAIR INST 4423.2 SMR codes are listed for first appearance items only.

e. Repair Code Column. The use of this column shall remain at the discretion of the prime contractor.

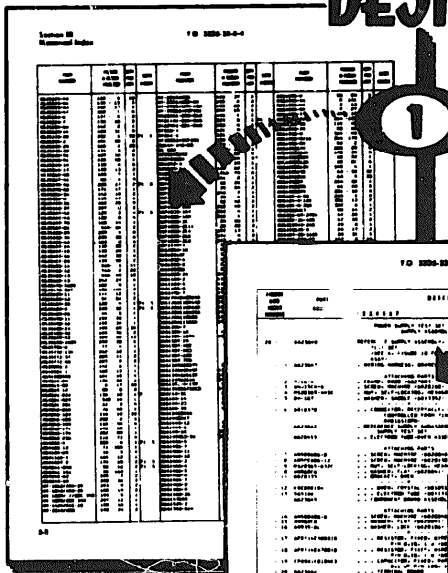
1-5. REFERENCE DESIGNATION INDEX. The Reference Designation Index lists the electrical part reference designation numbers (first column) with their corresponding part numbers (third column) in an alphabetical and numerical sequence.

The figure and index numbers for locating a part in Section II (GAPL) appear opposite each reference designation number (in the second column). The part number remains in its original alphanumeric presentation.

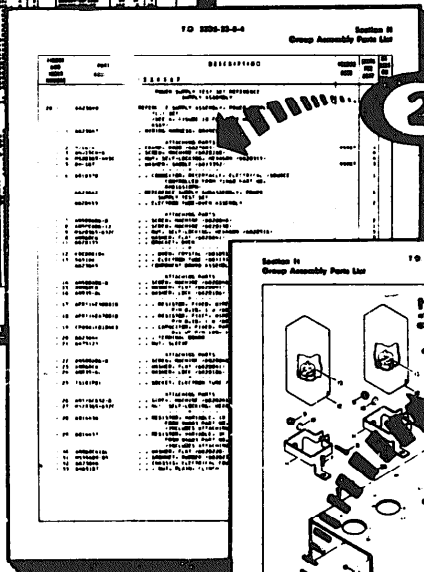
1-6. ABBREVIATIONS Abbreviations used in this manual are in accordance with MIL-STD-12-C.

1-7. HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN. Instructions on how to use the Illustrated Parts Breakdown are shown on the following pages.

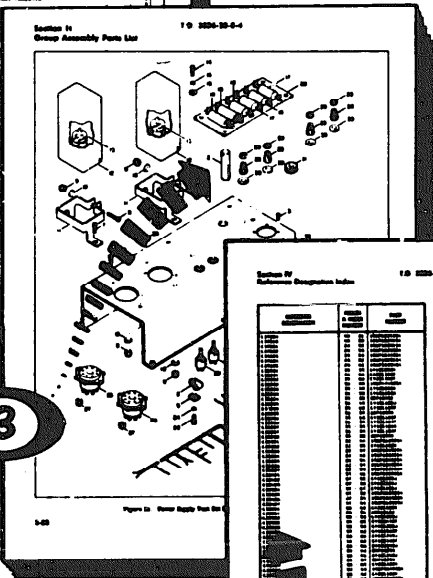
# HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN . . . . WHEN THE PART NUMBER OR REFERENCE DESIGNATION IS KNOWN



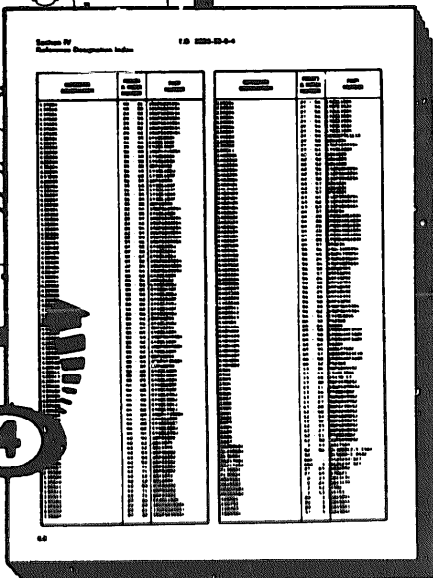
**1** WHEN THE PART NUMBER IS KNOWN . . . . REFER TO SECTION III. FIND THE PART NUMBER LISTED IN ALPHANUMERICAL SEQUENCE. NOTE FIGURE AND INDEX NUMBER ASSIGNED. ONLY FIRST USAGE SHOWN FOR GOVERNMENT STANDARD PART NUMBERS.



**2** TURN TO SECTION I, FIND FIGURE AND INDEX NUMBER INDICATED TO OBTAIN SPECIFIC INFORMATION.



**3** IF AN ILLUSTRATION OF THE PART IS DESIRED, REFER TO SAME INDEX NUMBER ON CORRESPONDING ILLUSTRATION. (SECTION I)



**4** WHEN THE REFERENCE DESIGNATION IS KNOWN . . . REFER TO SECTION IV. LOCATE THE REFERENCE DESIGNATION, NOTE FIGURE, INDEX AND PART NUMBER ASSIGNED. FOR DETAILED INFORMATION FOLLOW STEPS 2 AND 3.

# HOW TO USE THE ILLUSTRATED PARTS BREAKDOWN . . . . WHEN THE PART NUMBER IS NOT KNOWN

**1** DETERMINE THE FUNCTION AND APPLICATION OF PART REQUIRED.

REFER TO THE TABLE OF CONTENTS AND SELECT THE MOST APPROPRIATE TITLE.

**2** TURN TO THE PAGE INDICATED AND LOCATE THE DESIRED PART ON THE ILLUSTRATION.

**3** FROM THE ILLUSTRATION, OBTAIN THE INDEX NUMBER OF THE DESIRED PART. REFER TO THE CORRESPONDING LISTING FOR SPECIFIC INFORMATION.

**4** TURN TO SECTION III AND LOCATE THE PART NUMBER LISTED IN ALPHA-NUMERICAL SEQUENCE. ONLY FIRST USAGE SHOWN FOR GOVERNMENT STANDARD PART NUMBERS.

The diagram illustrates the process of finding a part number when it is unknown. It shows a 'Table of Contents' page with various sections listed. An arrow points from the 'Table of Contents' to an exploded view illustration of a mechanical assembly. From the illustration, an arrow points to a detailed parts list table. Finally, an arrow points from the parts list table to a large section of the manual's main body, where a specific part number is highlighted.

TABLE 1-1. MANUFACTURERS' CODE LIST

CODE	MANUFACTURERS NAME AND ADDRESS
01295	Texas Instruments, Inc. Semiconductor Group P.O. Box 5012 13500 North Central Expressway Dallas, TX 75231
04729	Unicorp 534 Mitchell Street Orange, NJ 07050
05276	Pomona Electronics Co., Inc. P.O. Box 2767 1500 E. 9th Pomona, CA 91766
07263	Fairchild Semiconductor 464 Ellis Street Mountain View, CA 94042
08505	E-Z-Hook Div. of Tek Test, Inc. P.O. Box 450 114 E. St. Joseph St. Arcadia, CA 91006
09353	C & K Components, Inc. 103 Morse St. Watertown, MA 02172
27264	Molox Products Company 5224 Katrine Ave. Downers Grove, IL 60515
31433	Union Carbide Corp. Materials System Div. Components Dept. Highway 276 South East Greenville, SC 29606
50579	Lintronix, Inc. 19000 Homestead Rd. Cupertino, CA 95014
54687	CompuScan, Inc. 900 Huyler St. Teterboro, NJ 07608

TABLE 1-1. MANUFACTURERS' CODE LIST (Cont)

CODE	MANUFACTURERS NAME AND ADDRESS
56289	Sprague Electric Co. 149 Marshal St. North Adams, MA 01247
71279	Cambridge Thermionic Corporation 445 Concord Ave. Cambridge, MA 02138
71590	Centralab Electronics Div. of Globe-Union, Inc. 5757 N. Greenbay Ave. Milwaukee, WI 53201
72619	Dialight Corporation Subsidiary of Digitronics Corp. 60 Stewart Avenue Brooklyn, NY 11237
73138	Beckman Instruments, Inc. Helipot Division 2500 Harbor Blvd. Fullerton, CA 92634
73803	Texas Instruments, Inc. Metallurgical Materials Div. 34 Forest Street Attleboro, MA 02703
75037	Minnesota Mining and MFG. Co. Electro Products Div. 3M Center St. Paul, MN 55101
76385	Minor Rubber Co., Inc. 49 Ackerman St. Bloomfield, NJ 07003
82547	Texas Instruments Inc. Control Products Division 34 Forest St. Attleboro, MA 02703
87541	Stanley Hardware Co., Inc. 232-234 Market St. Philadelphia, PA 19106

TABLE 1-1. MANUFACTURERS' CODE LIST (Cont)

CODE	MANUFACTURERS NAME AND ADDRESS
94222	Southco, Inc. Lester, PA 19113
97525	Electronic Engineering Co. of California 1441 Chestnut Ave. Santa Ana, CA 92702



SECTION II  
GROUP ASSEMBLY PARTS LIST

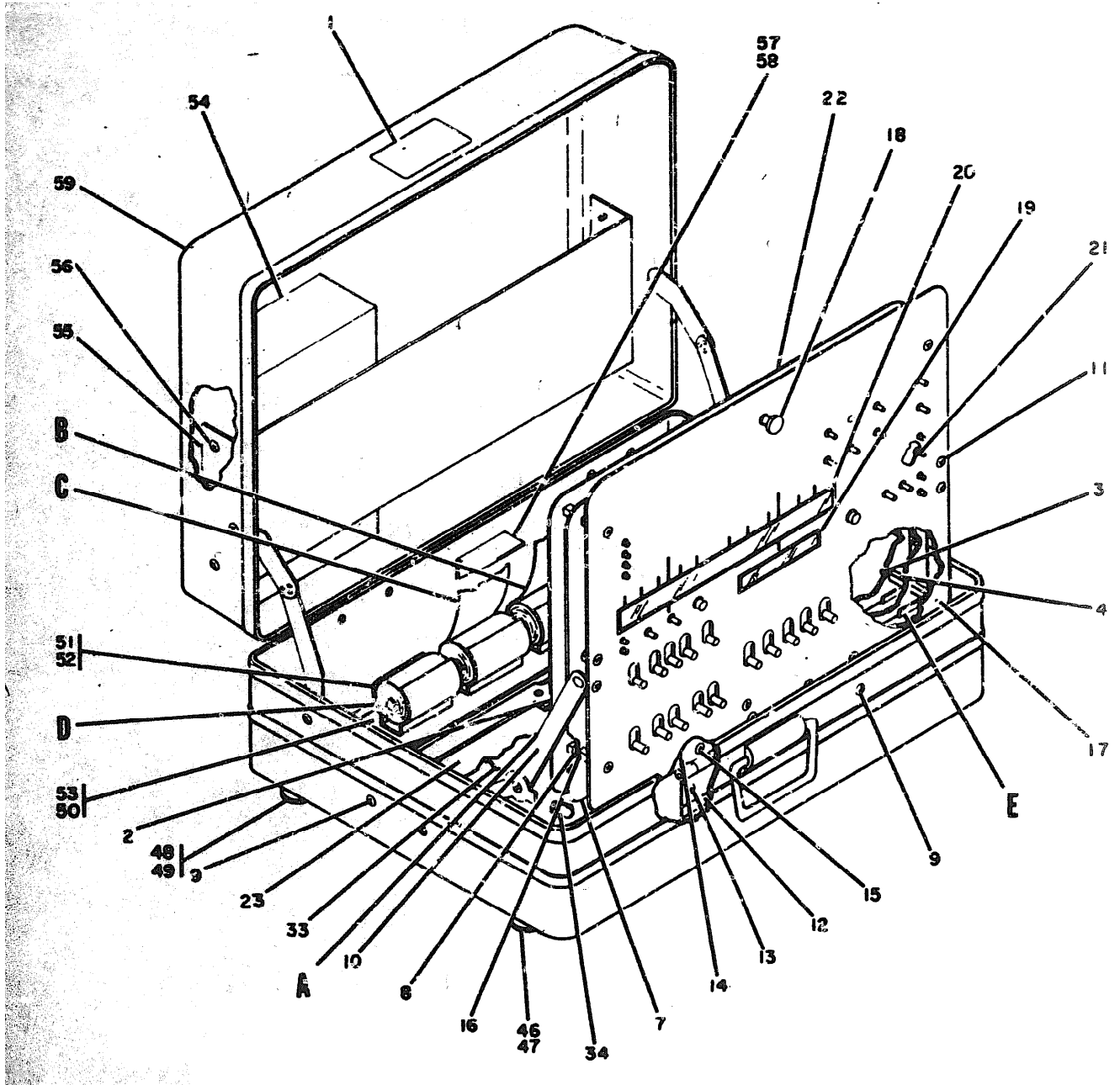


Figure 1. Program Test Set TS-3596/GYX (Sheet 1 of 2)

Figure 1. Program Test Set TS-3596/GYX (Sheet 2 of 2)

GROUP ASSEMBLY PARTS LIST

Fig. &  
Index  
No.

	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
1 -	1	TEST SET, PROGRAM TS-3596/GYX.....	102870	1	
- 1		. PLATE, IDENTIFICATION.....	103174	1	
- 2	A1	. LOGIC CIRCUIT CARD ASSEMBLY (SEE FIGURE 2 FOR BREAKDOWN).....	102873	1	
		(ATTACHING PARTS)			
- 3		. SCREW.....	MS51957-27	4	
		. WASHER.....	MS15795-806	4	
		. NUT.....	MS35649-264	4	
		----*----			
- 4		. SPACER, SLEEVE (04729).....	1566M09F16-632	4	
		. CABLE ASSEMBLY.....	102876	1	
- 5		. CONNECTOR, PLUG, ELECTRICAL (75037).....	3464-0001	2	
- 6		. CABLE, SPECIAL PURPOSE, ELECTRICAL, 6 IN. (75037).....	3365-40	1	
- 7	A2	. CONTROL CIRCUIT CARD ASSEMBLY (SEE FIGURE 3 FOR BREAKDOWN).....	102871	1	
		(ATTACHING PARTS)			
- 8		. NUT.....	MS35649-264	4	
		. WASHER.....	MS15795-806	4	
		----*----			
		. PANEL ASSEMBLY, FRONT.....	102883	1	
		(ATTACHING PARTS)			
- 9		. SCREW.....	MS51957-27	8	
		. WASHER.....	MS15795-806	8	
		. NUT.....	MS35649-264	4	
		----*----			

## GROUP ASSEMBLY PARTS LIST

Fig. &  
Index  
No.

1 - 1 0

- 1 1

- 1 2

- 1 3

- 1 4

- 1 5

- 1 6

- 1 7

- 1 8

- 1 9

- 2 0

- 2 1

- 2 2

Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
	. . ADJUSTER, BRACE (87541).....	1727	2	
	(ATTACHING PARTS)			
	. . SCREW.....	MS51957-27	4	
	. . WASHER.....	MS15795-806	4	
	. . NUT.....	MS35649-264	4	
	----*----			
	. . SUPPORT, HINGE.....	102880	1	
	(ATTACHING PARTS)			
	. . SCREW.....	MS51957-27	4	
	. . WASHER.....	MS35338-41	4	
	----*----			
	. . HINGE, BUTT, MODIFIED.....	102884	1	
	(ATTACHING PARTS)			
	. . SCREW.....	MS51957-27	4	
	. . NUT.....	MS35649-264	4	
	----*----			
	. . SPACER, SLEEVE (04729).....	1566M09F16- 632	4	
	(ATTACHING PARTS)			
	. . SCREW.....	MS51957-27	4	
	----*----			
	. . LATCH, PANEL (94222).....	49-10-101- 10	1	
	. . WINDOW, PROGRAM COUNTER.....	102936	1	
	. . WINDOW, DISPLAY.....	102937	1	
	. . BUSHING, PLASTIC (PLASTIC COMPONENTS CO., MILFORD, CONN.)..	974-207	11	
	. . PANEL, BLANK.....	102877	1	

GROUP ASSEMBLY PARTS LIST

Fig. & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
1 - 2 3	A3	. DIAGNOSTIC CIRCUIT CARD ASSEMBLY (SEE FIGURE 4 FOR BREAKDOWN).....	103390-2	1	
- 2 4		. EXTENDER CIRCUIT CARD ASSEMBLY.....	102933	1	
		. . CONNECTOR, RECEP- TACLE, ELECTRICAL (82647).....	H311135	1	
		(ATTACHING PARTS)			
- 25		. . SCREW.....	MS35233-16	2	
		. . WASHER.....	MS35340-40	2	
		. . WASHER.....	MS15795-804	2	
		----*----			
- 26		. . BRACKET, CONNec- TOR.....	103234	2	
		(ATTACHING PARTS)			
- 27		. . SCREW.....	MS35233-13	2	
		. . WASHER.....	MS35340-40	2	
		. . WASHER.....	MS15795-804	2	
		----*----			
- 28		. . GUIDE, CARD, LH....	103217	1	
- 29		. . GUIDE, CARD, RH....	103216	1	
		(ATTACHING PARTS)			
- 30		. . SCREW.....	MS35233-30	2	
		. . WASHER.....	MS15795-806	2	
		. . WASHER.....	MS35333-71	2	
		. . NUT.....	MS35649-264	2	
- 3 1		. . SCREW.....	MS35238-41	2	
		. . WASHER.....	MS15795-806	2	
		. . WASHER.....	MS35333-71	2	
		. . NUT.....	MS35649-264	2	
		----*----			
- 3 2		. . CARD, EXTENDER.....	102932	1	
- 3 3		. . RETAINER, CARD.....	102934	1	
- 3 4		. FOAM, CARD RETAINER.....	102935	1	
		. CABLE ASSEMBLY, 40 CONDUCTOR.....	102939	4	

## GROUP ASSEMBLY PARTS LIST

Fig. & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
1 - 3 5		. . CONNECTOR, PLUG, ELECTRICAL (75037).....	3464-0001	1	
- 3 6		. . CONNECTOR, PLUG, ELECTRICAL (75037).....	3417-3000	1	
- 3 7		. . CABLE, SPECIAL PURPOSE, ELECTRICAL 52 IN. (75037).....	3365-40	1	
		. CABLE ASSEMBLY, 20 CONDUCTOR.....	102938	1	
- 3 8		. . CONNECTOR, PLUG, ELECTRICAL (75037).....	3461-0001	1	
- 3 9		. . CONNECTOR, PLUG, ELECTRICAL (75037).....	3421-3000	1	
- 4 0		. . CABLE, SPECIAL PURPOSE, ELECTRICAL 52 IN. (75037).....	3365-20	1	
- 4 1		. CABLE ASSEMBLY, POWER.....	102940	1	
- 4 2		. . CONTACT, ELECTRICAL (27264).....	02-06-6104	3	
- 4 3		. . CONNECTOR, PLUG, ELECTRICAL (27264).....	03-06-2061	1	
- 4 4		. . CONTACT, ELECTRICAL (27264).....	08-50-0105	3	
- 4 5		. . CONNECTOR, PLUG, ELECTRICAL (27264).....	09-01-6031	1	
- 4 6		. BUMPER, RUBBER (76385).....	ZB1088	2	
		(ATTACHING PARTS)			
- 4 7		. SCREW.....	MS35233-28	2	
		. WASHER.....	MS15795-806	2	
		. NUT.....	MS35649-264	2	
		---*---			

GROUP ASSEMBLY PARTS LIST

Fig. &  
Index  
No.

1 - 4 8

-49

- 5 0

-51

- 5 2

- 5 3

- 5 4

Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
	. BUMPER, RUBBER (76385).....	ZB1088	2	
	(ATTACHING PARTS)			
	. SCREW.....	MS51957-31	2	
	. WASHER.....	MS15795-806	2	
	. NUT.....	MS35649-264	2	
	----*----			
	. BASE AND CLIP ASSEMBLY.....	102879	1	
	(ATTACHING PARTS)			
	. SCREW.....	MS51957-31	2	
	. WASHER.....	MS15795-806	2	
	. NUT.....	MS35649-264	2	
	----*----			
	. . CLIP, CABLE (PLASTIC COMPONENT CO., MILFORD, CONN.).....	V1011	6	
	(ATTACHING PARTS)			
	. . SCREW.....	MS51957-27	8	
	. . WASHER.....	MS15795-806	8	
	. . WASHER.....	MS35338-41-	8	
	----*----			
	. . PLATE, CABLE CLAMP.....	102878	1	
	. BOX, ACCESSORY (DURPHY PACKAGING CO., HUNTINGDON VALLEY, PA.).....	DVA206	1	
	. PLUG, SHORTING (71279).....	2871-2-0312	4	
	. LEAD, TEST (08505)...	304-18WBLAC K	1	
	. LEAD, TEST (08505)...	304-18WBLUE	1	
	. LEAD, TEST (08505)...	304-18WBROW N	1	
	. LEAD, TEST (08505)...	304-18WGRAY	1	



GROUP ASSEMBLY PARTS LIST

Fig. 8  
Index  
No.

1 -

- 5 5

- 5 6

- 5 7

- 5 8

- 5 9

Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
	. LEAD, TEST (08505)...	304-18WGREEN	1	
	. LEAD, TEST (08505)...	304-18WORANGE	1	
	. LEAD, TEST (08505)...	304-18WRED	1	
	. LEAD, TEST (08505)...	304-18WVIOLETT	1	
	. LEAD, TEST (08505)...	304-18WWHITE	1	
	. LEAD, TEST (08505)...	304-18WYELLOW	1	
	. CLIP, TEST, 16 PIN (05276).....	3916	2	
	. FOAM, ACCESSORY BOX..	102730	2	
	. BRACKET, COMPARTMENT.....	102882	1	
	(ATTACHING PARTS)			
	. SCREW..... ----*----	MS51957-27	4	
	. BRACKET, PANEL.....	102881	1	
	(ATTACHING PARTS)			
	. SCREW..... ----*----	MS51957-27	2	
	. CASE, INSTRUMENT, MODIFIED.....	102888	1	

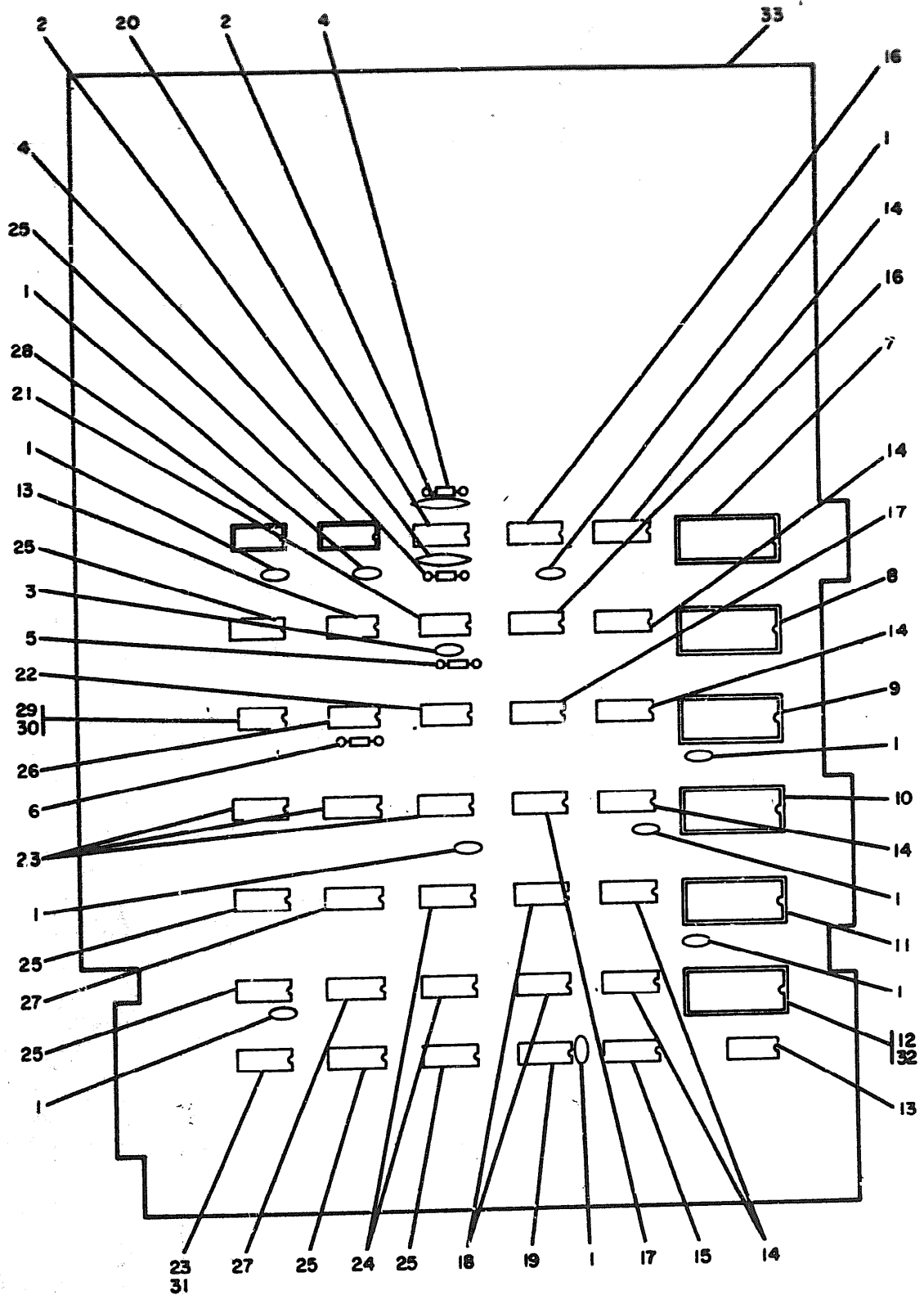


Figure 2. Logic Circuit Card Assembly

## GROUP ASSEMBLY PARTS LIST

Fig. 8  
Index  
No.

2 - IA1  
- 1 C1-C5,  
C9-C12  
- 2 C6, C7  
- 3 C8  
- 4 R1, R2  
- 5 R3  
- 6 R4  
- 7 U1  
- 8 U2  
- 9 U3  
- 10 U4  
- 11 U5  
- 12 U6  
- 13 U7, U30  
- 14 U8-U13  
- 15 U14

Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
	LOGIC CIRCUIT CARD ASSEMBLY (SEE FIGURE 1-2 FOR NHA).....	102873	REF	
	. CAPACITOR, FIXED, CERAMIC, 0.05 UF +80 -20%, 20 VDCW (71590).....	JK20-503	9	
	. CAPACITOR, FIXED, CERAMIC, 120 UUF ±5%, NPC (71590)....	DTZ120	2	
	. CAPACITOR, FIXED, CERAMIC, 0.001 UF ±10%, 1000 VDCW (71590).....	CD102	1	
	. RESISTOR, FIXED, COMPOSITION, 4.7K OHM ±5%, 1/4 W.....	RCR07G472JS	2	
	. RESISTOR, FIXED, COMPOSITION, 3.3K OHM ±5%, 1/4 W.....	RCR07G332JS	1	
	. RESISTOR, FIXED, COMPOSITION, 1K OHM ±5%, 1/4 W.....	RCR07G102JS	1	
	. MICROCIRCUIT, DIGITAL, PROM.....	SIMVT	1	
	. MICROCIRCUIT, DIGITAL, PROM.....	SIMV1	1	
	. MICROCIRCUIT, DIGITAL, PROM.....	SIMV2	1	
	. MICROCIRCUIT, DIGITAL, PROM.....	SIMV3	1	
	. MICROCIRCUIT, DIGITAL, PROM.....	SIMV4	1	
	. MICROCIRCUIT, DIGITAL, PROM.....	SIMVB	1	
	. MICROCIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND GATE (01295).....	SN7400N	2	
	. MICROCIRCUIT, DIGITAL, 8-BIT DATA SELECTOR/MULTIPLEXER (01295).	SN74151N	6	
	. MICROCIRCUIT, DIGITAL, 8-INPUT POSITIVE-NAND GATE (01295)...	SN7430N	1	

## GROUP ASSEMBLY PARTS LIST

Fig. & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
2 - 1 6	U15, U16	. MICROCIRCUIT, DIGITAL, 3-INPUT POSITIVE- NAND GATE (01295)...	SN7410N	2	
- 17	U17, U18	. MICROCIRCUIT, DIGITAL, HEX INVERTER (01295).....	SN7404N	2	
- 18	U19, U20	. MICROCIRCUIT, DIGITAL, 4-BIT BINARY FULL ADDER (01295).....	SN7483N	2	
- 19	U21	. MICROCIRCUIT, DIGITAL, QUAD BUS BUFFER GATE (01295).....	SN74125N	1	
- 28	U22	. MICROCIRCUIT, DIGITAL, DUAL RETRIG MONO- STABLE MULTIVIBRATOR (01295).....	SN74123N	1	
- 21	U23	. MICROCIRCUIT, DIGITAL, ONE-SHOT MONOSTABLE MULTIVIBRATOR (01295).....	SN74121N	1	
- 22	U24	. MICROCIRCUIT, DIGITAL, QUAD 2-INPUT EXCLU- SIVE OR GATE (01295).....	SN7486N	1	
- 23	U25, U32 U39, U42	. MICROCIRCUIT, DIGITAL, BCD-TO-BINARY CON- VERTER (01295).....	SN74184N	4	
- 24	U26, U27	. MICROCIRCUIT, DIGITAL, 4-BIT MAGNITUDE COM- PARATORS (01295)....	SN7485N	2	
- 2 5	U28, U29 U35, U37 U40, U41	. MICROCIRCUIT, DIGITAL, SYNC UP/DOWN 4-BIT BINARY CNTR (01295).	SN74193N	6	
-26	U31	. MICROCIRCUIT, DIGITAL, HEX D-TYPE FLIP-FLOP WITH CLEAR (01295)..	SN7414N	1	
-27	U33, U34	. MICROCIRCUIT, DIGITAL, QUAD 2-INPUT MULTI- PLEXER (07263).....	9322	2	
-28	U36	. MICROCIRCUIT, DIGITAL, DUAL 4-INPUT POSI- TIVE-NAND GATE (01295).....	SN7420N	1	
-29	U38	. MICROCIRCUIT, DIGITAL, DUAL D-TYPE EDGE TRIGGERED FLIP-FLOP (01295).....	SN7474N	1	

GROUP ASSEMBLY PARTS LIST

Fig. 8  
Index  
No.

2 - 3 0  
- 3 1  
- 3 2  
- 3 3

Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
	. SOCKET, PLUG-IN, ELECTRONIC COMPONENT 14 PIN (73803).....	C931402	13	
	. SOCKET, PLUG-IN, ELECTRONIC COMPONENT 16 PIN (73803).....	C931602	23	
	. SOCKET, PLUG-IN, ELECTRONIC COMPONENT 24 PIN (73803).....	C932402	6	
	. PRINTED WIRING BOARD..	102874	1	

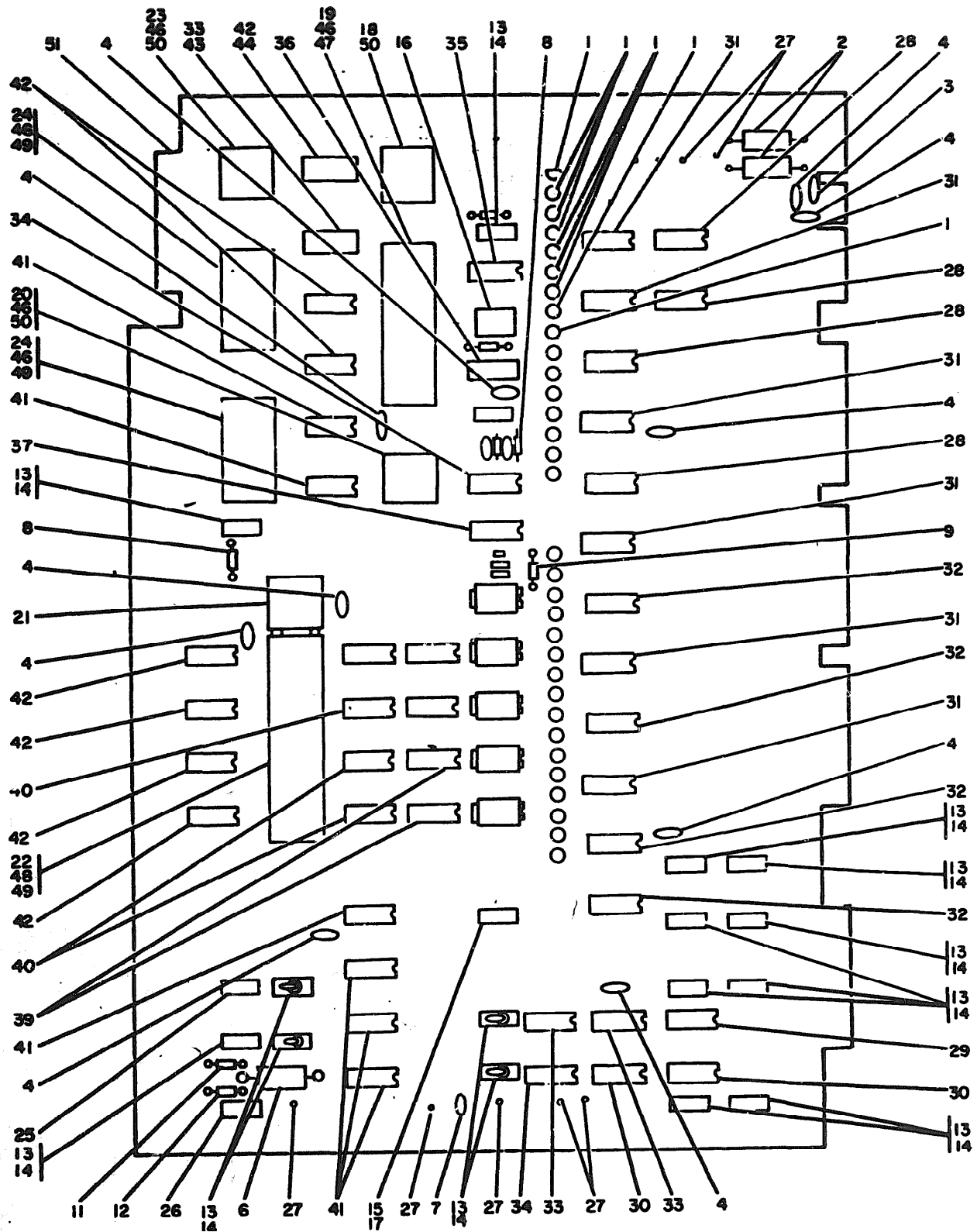


Figure 3. Control Circuit Card Assembly (Sheet 1 of 2)

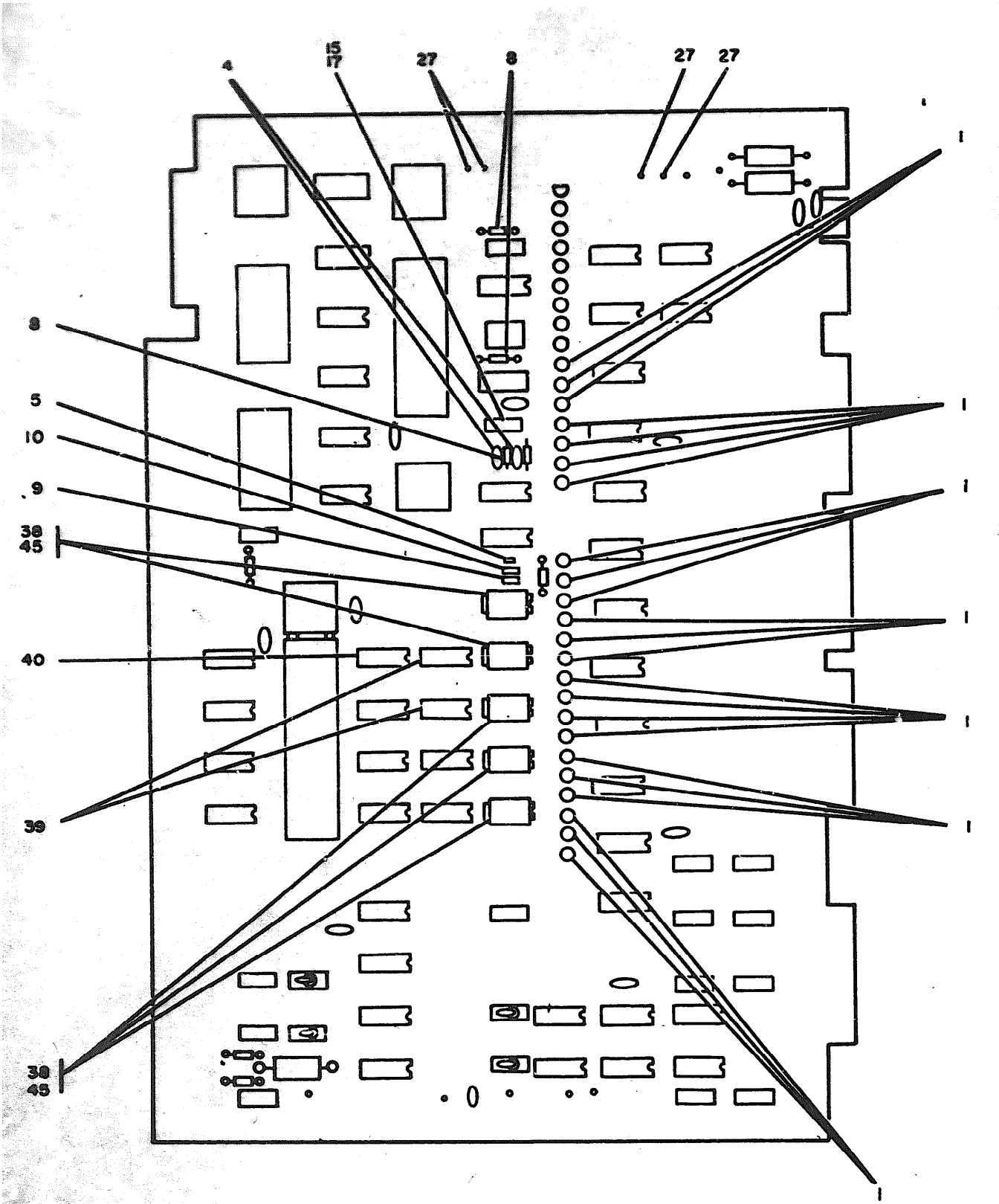


Figure 3. Control Circuit Card Assembly (Sheet 2 of 2)

GROUP ASSEMBLY PARTS LIST

Fig. & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
3 -	1A2	CONTROL CIRCUIT CARD ASSEMBLY (SEE FIGURE 1-7 FOR NHA).....	102871	REF	
- 1	ADS1- ADS16 BDS1- BDS16	. SEMICONDUCTOR DEVICE, LED (72619).....	549-0104	32	
- 2	C1, C2	. CAPACITOR, FIXED, ELECTROLYTIC, 33 UF ±10%, 20 VDCW (56289).....	150D336X00Z QB2	2	
- 3	C3	. CAPACITOR, FIXED, CERAMIC, 0.01 UF ±10%, 1000 VDCW (71590)...	DD103	1	
- 4	C4-C11, C13-C16	. CAPACITOR, FIXED, CERAMIC, 0.05 UF, +80 -20%, 20 VDCW (71590).....	UK20-503	12	
- 5	C12	. CAPACITOR, FIXED, CERAMIC, 100 UUF ±10%, 1000 VDCW (71590)...	DD101	1	
- 6	C17	. CAPACITOR, FIXED, ELECTROLYTIC, 39 UF, ±20%, 20 VDCW (31433).....	T110C396M02 OAB	1	
- 7	C18	. CAPACITOR, FIXED, CERAMIC, 250 UUF ±10%, 1000 VDCW (71590)...	DD251	1	
- 8	R1-R4, R8	. RESISTOR, FIXED, COMPOSITION, 1K OHMS ±5%, 1/4W.....	RCR07G102JS	5	
- 9	R5, R7	. RESISTOR, FIXED, COMPOSITION 150 OHMS ±5%, 1/4W.....	RCK07G151JS	2	
- 10	R6	. RESISTOR, FIXED, COMPOSITION 18K OHMS ±5%, 1/4W.....	RCR07G183JS	1	
- 1 1	R9	. RESISTOR, FIXED, COMPOSITION, 5.6K OHMS ±5%, 1/4W.....	RCR07G562JS	1	
- 1 2	R10	. RESISTOR, FIXED, COMPOSITION, 120 OHMS ±5%, 1/4W.....	RCR07G121JS	1	
- 1 3		. CAP, SWITCH (09353)...	7062-1BLK	18	



## GROUP ASSEMBLY PARTS LIST

Fig. & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
3 - 1 4	S1-S8, S12, S13, S18, S19, S23, S25, S27	. SWITCH, TOGGLE (09353).....	7101CQ	15	
- 1 5		. CAP, SWITCH (09353)...	7089-2BLK	2	
- 1 6	S9	. SWITCH, TOGGLE (09353).....	7201CQ	1	
- 1 7	S10, S11	. SWITCH, SENSITIVE, PUSH (09353).....	8121CQ	2	
- 1 8	S14	. SWITCH, ROTARY (97525).....	1A21-00-C1G 0-3	1	
- 1 9	S15	. SWITCH, ROTARY (97525).....	3A21-08-12G VO-7	1	
- 2 0	S16	. SWITCH, ROTARY (97525).....	1A21-00-31G YO-11	1	
- 2 1	S17A	. SWITCH, ROTARY (97525).....	1A21-00-28G 0-1	1	
- 2 2	S17B	. SWITCH, ROTARY (97525).....	4A21-00-28G 0-7	1	
- 2 3	S20	. SWITCH, ROTARY (97525).....	1A21-00-12G VO-7	1	
- 2 4	S21, S22	. SWITCH, ROTARY (97525).....	2A21-00-12G	2	
- 2 5	S24	. SWITCH, TOGGLE (09353).....	7103CQ	1	
- 2 6	S26	. SWITCH, SENSITIVE, TOGGLE (09353).....	7105CQ	1	
- 2 7	TP1-TP11	. TEST POINT (71279).....	460-2948-03 -03-00	11	
- 2 8	U1, U2 U7, U9	. MICROCIRCUIT, DIGITAL, QUAD LATCH (07263)..	9314DC	4	
- 2 9	U3	. RESISTOR NETWORK (73138).....	898-1R1-OK	1	
- 3 0	U4, U18	. MICROCIRCUIT, DIGITAL, HEX D-TYPE FLIP-FLOP (01295).....	SN7414N	2	
- 3 1	U5, U6, U8, U10, U12, U14	. MICROCIRCUIT, DIGITAL, 15V HEX INVERTER BUFFER/DRIVER (01295).....	SN7416N	6	
- 3 2	U11, U13 U15, U16	. MICROCIRCUIT, DIGITAL, 4 BIT D-TYPE REGISTER, TRISTATE OUTPUTS (01295).....	SN74173N	4	

GROUP ASSEMBLY PARTS LIST

Fig & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
3 - 3 3	U17, U19 U43	. MICROCIRCUIT, DIGITAL, QUAD 2-INPUT POSITIVE-NAND GATE (01295).....	SN7400N	3	
- 3 4	U20, U23	. MICROCIRCUIT, DIGITAL, DUAL D-TYPE EDGE-TRIGGERED FLIP-FLOP (01295).....	SN7474N	2	
- 3 5	U21	. MICROCIRCUIT, DIGITAL, HEX INVERTER (01295).....	SN74HO4N	1	
- 3 6	U22	. MICROCIRCUIT, DIGITAL, DUAL 4-INPUT POSITIVE-NAND GATE (01295).....	SN74H40N	1	
- 3 7	U24	. MICROCIRCUIT, DIGITAL, ONE-SHOT MONOSTABLE MULTIVIBRATOR (01295).....	SN74121N	1	
- 3 8	U25-U29	. VISUAL DISPLAY, NUMERIC (50579).....	DL707R	5	
- 3 9	U30-U33	. RESISTOR NETWORK (73138).....	899-3R150	4	
- 4 0	U34-U37	. MICROCIRCUIT, DIGITAL, 15V BCD-TO-SEVEN SEGMENT DECODER/DRIVER (01295).....	SN7447N	4	
- 4 1	U38-U41, U46, U47	. MICROCIRCUIT, DIGITAL, SYNC UP/DOWN 4-BIT BINARY CNTR (01295).	SN74193N	6	
- 4 2	U42, U44, U45, U48- U51	. MICROCIRCUIT, DIGITAL, 4-BIT MAGNITUDE, COMPARATORS (01295).	SN7485N	7	
- 4 3		. SOCKET, PLUG-IN, ELECTRONIC COMPONENT, 14 PIN (73803).....	C931402	20	
- 4 4		. SOCKET, PLUG-IN, ELECTRONIC COMPONENT, 16 PIN (73803).....	C931602	26	
- 4 5		. SOCKET, PLUG-IN, ELECTRONIC COMPONENT, 14 PIN (73803).....	C921400	5	
- 4 6		. SUPPORT, SWITCH.....	102886	6	
- 4 7		. CONNECTOR, RECEPTACLE, ELECTRICAL.....	102890-1	1	

GROUP ASSEMBLY PARTS LIST

Fig & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
3 - 4 8		. CONNECTOR, RECEPTACLE, ELECTRICAL.....	102890-2	2	
- 4 9		. CONNECTOR, RECEPTACLE, ELECTRICAL.....	102931-1	4	
- 5 0		. CONNECTOR, RECEPTACLE, ELECTRICAL.....	102931-2	4	
- 5 1		. PRINTED WIRING BOARD..	102872	1	

GROUP ASSEMBLY PARTS LIST

Fig & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
3 - 4 8		. CONNECTOR, RECEPTACLE, ELECTRICAL.....	102890-2	2	
- 4 9		. CONNECTOR, RECEPTACLE, ELECTRICAL.....	102931-1	4	
- 5 0		. CONNECTOR, RECEPTACLE, ELECTRICAL.....	102931-2	4	
- 5 8		. PRINTED WIRING BOARD..	102872	1	

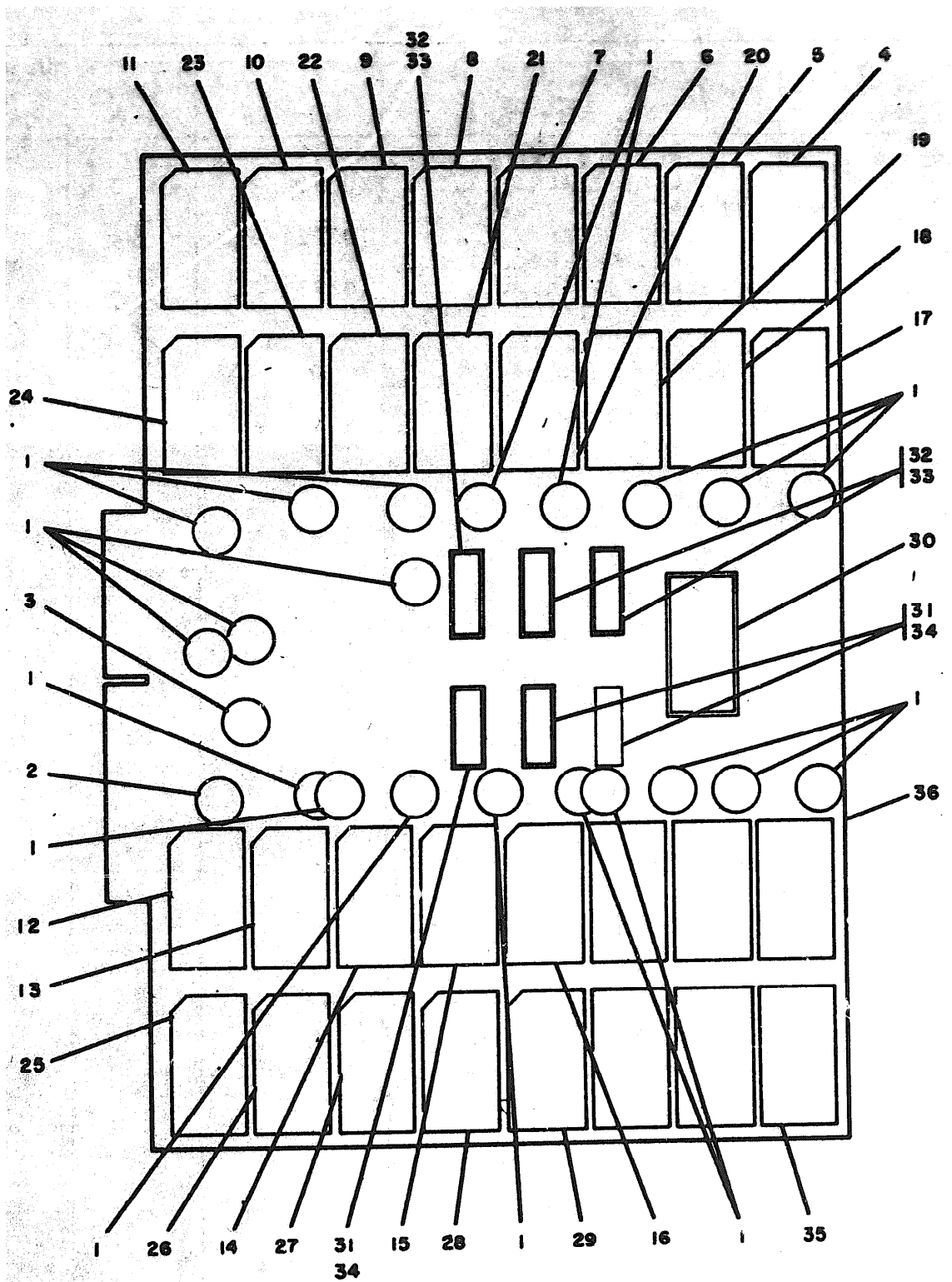


Figure 4. Diagnostic Circuit Card Assembly

## GROUP ASSEMBLY PARTS LIST

Fig. &  
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No.

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Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
1A3	DIAGNOSTIC CIRCUIT CARD ASSEMBLY (SEE FIGURE 1-23 FOR NHA).....	103390-2	REF	
C1, C3, C5-C22	. CAPACITOR, FIXED, CERAMIC, 0.05 UF, +80 TO -20%, 20 VDCW (71590).	UK20-503	20	
C2	. CAPACITOR, FIXED, ELECTROLYTIC 6.8 UF ±20%, 6 VDCW (31433) .	T368A685M00 6AS	1	
C4	. CAPACITOR, FIXED, ELECTROLYTIC, 2.2 UF +20%, 15 VDCW (31433).	T368B225M01 5AS	1	
U1	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDMAC4 PT2	1	
U2	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDMAC4 -2A	1	
U3	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDCOM4 -2B	1	
U4	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDEX4- 2C	1	
U5	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 2D	1	
U6	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 2E	1	
U7	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 2F	1	
U8	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 2G	1	
U9	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDME4- 2H	1	
U10	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDME4- 2I	1	
U11	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDME4- 2J	1	
U12	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDEM4- 2K	1	
U13	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDEM4- 2L	1	
U17	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDMAC4 PT1	1	
U18	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDMAC4 -1A	1	
U19	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDCOM4 -1B	1	
U20	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDEX4- 1C	1	

## GROUP ASSEMBLY PARTS LIST

Fig. & Index No.	Ref Design.	Description	Part No.	Units Per Assy.	Usable on Code
4 - 2 1	U21	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 1D	1	
- 2 2	U22	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 1E	1	
- 2 3	U23	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 1F	1	
- 2 4	U24	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDSR4- 1G	1	
- 2 5	U25	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDME4- 1H	1	
- 2 6	U26	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDME4- 1I	1	
- 2 7	U27	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDME4- 1J	1	
- 2 8	U28	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDEM4- 1K	1	
- 2 9	U29	. MICROCIRCUIT, DIGITAL, PROM.....	ALSTRMDEM4- 1L	1	
- 3 0	U33	. MICROCIRCUIT, DIGITAL, 4-LINE TO 16-LINE, DCDR/MULTIPLEXER (01295).....	SN74154N	1	
- 3 1	U34-U36	. MICROCIRCUIT, DIGITAL, HEX D-TYPE FLIP-FLOP (01295).....	SN74174N	3	
- 3 2	U37-U39	. MICROCIRCUIT, DIGITAL, HEX INVERTER (01295).....	SN7404N	3	
- 3 3		. SOCKET, PLUG-IN, ELEC- TRONIC COMPONENT, 14 PIN (73803).....	C931402	3	
- 3 4		. SOCKET, PLUG-IN, ELEC- TRONIC COMPONENT, 16 PIN (73803).....	C931602	3	
- 3 5		. SOCKET, PLUG-IN, ELEC- TRONIC COMPONENT 24 PIN (73803).....	C932402	33	
- 3 6		. PRINTED WIRING BOARD..	102431	1	

SECTION III  
 NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	QTY Per Art	Source Code	Repair Code
LSTRNDCON4-1B		4-19	1	PADZZN	
LSTRNDCON4-2B		4-6	1	PADZZN	
LSTRNDEM4-1K		4-28	1	PADZZN	
LSTRNDEM4-1L		4-29	1	PADZZN	
LSTRNDEM4-2K		4-15	1	PADZZN	
LSTRNDEM4-2L		4-16	1	PADZZN	
LSTRNDEX4-1C		4-20	1	PADZZN	
LSTRNDEX4-2C		4-7	1	PADZZN	
ILSTRNDMAC4PT1		4-17	1	PADZZN	
ILSTRNDMAC4PT2		4-4	1	PADZZN	
ILSTRNDMAC4-1A		4-18	1	PADZZN	
ILSTRNDMAC4-2A		4-5	1	PADZZN	
ILSTRNDME4-1H		4-25	1	PADZZN	
ILSTRNDME4-1I		4-26	1	PADZZN	
ILSTRNDME4-1J		4-27	1	PADZZN	
ILSTRNDME4-2H		4-12	1	PADZZN	
ILSTRNDME4-2I		4-13	1	PADZZN	
ILSTRNDME4-2J		4-14	1	PADZZN	
ALSTRMDSR4-1D		4-21	1	PADZZN	
ALSTRMDSR4-1E		4-22	1	PADZZN	
ALSTRMDSR4-1F		4-23	1	PADZZN	
ALSTRMDSR4-1G		4-24	1	PADZZN	
ALSTRMDSR4-2D		4-8	1	PADZZN	
ALSTRMDSR4-2E		4-9	1	PADZZN	
ALSTRMDSR4-2F		4-10	1	PADZZN	
ALSTRMDSR4-2G		4-11	1	PADZZN	
C921400		3-45	5	PAFZZN	
C931402	5935004814140	2-30	13	PAFZZN	
C931402		3-43	20		
C931402		4-33	3		
C931602	5935004814141	2-31	23	PAFZZN	
C931602		3-44	26		
C931602		4-34	3		
C932402	5935003721678	2-32	6	PAFZZN	
C932402		4-35	33		
DD101	5910006788157	3-5	1	PAFZZN	
DD102	5910002416513	2-3	1	PAFZZN	
DD103	5910005771138	3-3	1	PAFZZN	
DD251	5910005397423	3-7	1	PAFZZN	
DL7Q7B		3-38	5	PAFZZN	
DTZ120	5910005398401	2-2	2	PAFZZN	



NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	QTY Per Art	Source Code	Repair Code
DVA206		1-34	1	XBFZZ	
H311135		1-24	1	XBFZZ	
MS15795-804	5310007821349	1-25	2	PAFZZN	
MS15795-804		1-27	2		
MS15795-806	5310008805976	1-3	4	PAFZZN	
MS15795-806		1-8	4		
MS15795-806		1-9	8		
MS15795-806		1-11	4		
MS15795-806		1-30	2		
MS15795-806		1-31	2		
MS15795-806		1-47	2		
MS15795-806		1-49	2		
MS15795-806		1-50	2		
MS15795-806		1-52	8		
MS35233-13	5305007189442	1-27	2	PAFZZN	
MS35233-16	5305005432766	1-25	2	PAFZZN	
MS35233-28	530500546652	1-47	2	PAFZZN	
MS35233-30	5305000545637	1-30	2	PAFZZN	
MS35238-41	5305000420059	1-31	2	PAFZZN	
MS35333-71	5310006163555	1-30	2	PAFZZN	
MS35333-71		1-31	2		
MS35338-41	5310000454007	1-13	4	XBFZZ	
MS35338-41		1-52	8		
MS35340-40	5310006559505	1-25	2	PAFZZN	
MS35340-40		1-27	2		
MS35649-264	5310009349761	1-3	4	PAFZZN	
MS35649-264		1-8	4		
MS35649-264		1-9	4		
MS35649-264		1-11	4		
MS35649-264	5310009349761	1-15	4	PAFZZN	
MS35649-264		1-30	2		
MS35649-264		1-31	2		
MS35649-264		1-47	2		
MS35649-264		1-49	2		
MS35649-264		1-50	2		
MS51957-27	5305000546651	1-3	4	PAFZZN	
MS51957-27		1-9	8		
MS51957-27		1-11	4		
MS51957-27		1-13	4		
MS51957-27		1-15	4		
MS51957-27		1-17	4		
MS51957-27		1-52	8		
MS51957-27		1-56	4		
MS51957-27		1-58	2		
MS51957-31	5305000546655	1-49	2		
MS51957-31		1-50	2		

## NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	QTY Per Art	Source Code	Repair Code
RCR07G102JS	5905001107620	2-6	1	PAFZZN	
RCR07G102JS		3-8	5		
RCR07G121JS	5905001198812	3-12	1	PAFZZN	
RCR07G151JS	5905001198811	3-9	2	PAFZZN	
RCR07G183JS	5905001153560	3-10	1	PAFZZN	
RCR07G332JS	5905005707961	2-5	1	PAFZZN	
RCR07G472JS	5905001140711	2-4	2	PAFZZN	
RCR07G562JS	5905001410744	3-11	1	PAFZZN	
SIMVB		2-12	1	PADZZN	
SIMVT		2-7	1	PADZZN	
SIMV1		2-8	1	PADZZN	
SIMV2		2-9	1	PADZZN	
SIMV3		2-10	1	PADZZN	
SIMV4		2-11	1	PADZZN	
SN74H04N	5962001392849	3-35	1	PAFZZN	
SN74H40N	5962004654904	3-36	1	PAFZZN	
SN7400N	5962003182223	2-13	2	PAFZZN	
SN7400N		3-33	3		
SN7404N	5962003410544	2-17	2	PAFZZN	
SN7404N		4-32	3		
SN7410N	5962003182224	2-16	2	PAFZZN	
SN74121N	5962003697706	2-21	1	PAFZZN	
SN74121N		2-27	1		
SN74123N	5962001725563	2-20	1	PAFZZN	
SN74125N	5962005816560	2-19	1	PAFZZN	
SN7414N	5962002770132	2-26	1	PAFZZN	
SN7414N		3-30	2		
SN74151N	5962001672836	2-14	6	PAFZZN	
SN74154N	5962002504824	4-30	1	PAFZZN	
SN7416N	5962001630149	3-31	6	PAFZZN	
SN74173N	5962001488128	3-32	4	PAFZZN	
SN74174N	5962002769935	4-31	4	PAFZZN	
SN74184N	5962002769936	2-23	4	PAFZZN	
SN74193N	5962001856630	2-25	6	PAFZZN	
SN74193N		3-41	6		
SN7420N	5962002560344	2-28	1	PAFZZN	
SN7430N	5962002560343	2-15	1	PAFZZN	
SN7447N	59620100621598	3-40	4	PAFZZN	
SN7474N	5962001853760	2-29	1	PAFZZN	
SN747N		3-34	2		
SN7483N	5962000112762	2-18	2	PAFZZN	
SN7485N	5962002770098	2-24	2	PAFZZN	
SN7485N		3-42	7		
SN7486N	5962003618648	2-22	1	PAFZZN	
T110C396M020AB		3-6	1	PAFZZN	

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	QTY Per Art	Source Code	Repair Code
T368A685M006AS		4-2	1	PAFZZN	
T368B225M015AS		4-3	1	PAFZZN	
UK20-503	5910000973939	2-1	9	PAFZZN	
UK20-503		3-4	12		
UK20-503		4-1	20		
V1011		1-51	6	XBFZZ	
ZB1088		1-46	2	XBFZZ	
ZB1088		1-48	2		
02-06-6104		1-42	3	PAFZZN	
03-06-2061		1-43	1	PAFZZN	
08-50-0105		1-44	3	PAFZZN	
09-01-6031		1-45	1	PAFZZN	
1A21-00-0160-3		3-18	1	PAFZZN	
1A21-00-126V0-7		3-23	1	PAFZZN	
1A21-00-2860-1		3-21	1	PAFZZN	
1A21-00-316Y0-11		3-20	1	PAFZZN	
102431		4-36	1	XADZZ	
102870	7050010086316	1-	1	PEFDDS	
102871		1-7	1	PAFDDT	
102871		3-	REF		
102872		3-51	1	XADZZN	
102873		1-2	1	PAFDDT	
102873		2-	REF		
102874		2-33	1	XADZZN	
102876		1-	1	XBFZZ	
102877		1-22	1	XAFZZ	
102878		1-53	1	XBFZZ	
102879		1-	1	XBFZZ	
102880		1-12	1	XBFZZ	
102881		1-57	1	XBFZZ	
102882		1-55	1	XBFZZ	
102883		1-	1	XBFZZ	
102884		1-14	1	XBFZZ	
102886		3-46	6	XBFZZ	
102888		1-59	1	XBFZZ	
102890-1		3-47	1	PAFZZN	
102890-2		3-48	2	PAFZZN	
102930		1-54	2	XBFZZ	
102931-1		3-49	4	PAFZZN	
102931-2		3-50	4	PAFZZN	
102932		1-32	1	XAFZZ	
102933		1-	1	PBFZZN	
102934		1-33	1	XBFZZ	
102935		1-34	1	XBFZZ	
102936		1-19	1	XBFZZ	
102937		1-20	1	XBFZZ	
102938		1-	1	XBFZZ	

## NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
102939	5910008842739	1-	4	XBFZZ	
102940		1-41	1	XBFZZ	
103174		1-1	1	XC---	
103216		1-29	1	XBFZZ	
103217		1-28	1	XBFZZ	
103234		1-26	2	XBFZZ	
103390-2		1-23	1	PAFDDT	
150D336X0020B2		3-2	2	PAFZZN	
1566M09F16-632		1-4	4	XBFZZ	
1727		1-10	2	XBFZZ	
2A21-0012G		3-24	2	PAFZZN	
2871-2-0312		1-54	4	XBFZZ	
3A21-08-126V0-7		3-19	1	PAFZZN	
304-18WBLACK		1-54	1	XBFZZ	
304-18WBLUE		1-54	1	XBFZZ	
304-18WBROWN		1-54	1	XBFZZ	
304-18WGRAY		1-54	1	XBFZZ	
304-18WGREEN		1-54	1	XBFZZ	
304-18WORANGE		1-54	1	XBFZZ	
304-18WRED		1-54	1	XBFZZ	
304-18WVIOLET	1-54	1	XBFZZ		
304-18WWHITE	1-54	1	XBFZZ		
304-18WYELLOW	1-54	1	XBFZZ		
3365-20	6145006106987	1-40	1	XBFZZ	
3365-40		1-6	1	XBFZZ	
3365-40		1-37	4	XBFZZ	
3417-3000		1-36	4	PAFZZN	
3421-3000		1-39	1	PAFZZN	
3461-0001		1-38	1	PAFZZN	
103390-2		4-	REF		
1566M09F16-632		1-16	4		
3464-0001		1-5	2	PAFZZN	
3464-0001		1-35	4		
3916	5999002864302	1-54	2		
4A21-00-2860-7		3-22	1	PAFZZN	
460-2948-03-03-00		3-27	11	PAFZZN	
49-10-101-10		1-18	1	PAFZZN	
549-0104		3-1	32	PAFZZN	
7062-1BLK		3-13	18	XBFZZ	
7089-2BLK		3-15	2	XBFZZ	
7101CQ		3-14	15	PAFZZN	
7103CQ		3-25	1	PAFZZN	
7105CQ		3-26	1	PAFZZN	
7201CQ		3-16	1	PAFZZN	
8121CQ		3-17	2	PAFZZN	

NUMERICAL INDEX

Part Number	Stock Number	Figure & Index Number	Qty Per Art	Source Code	Repair Code
898-1R1-OK	5905001488153	3-29	1	PAFZZN	
899-3R150	5905005209440	3-39	4		
9314DC	5962005837993	3-28	4	PAFZZN	
9322	5962010206862	2-27	2		
974-207		1-21	11	XBFZZ	

SECTION IV  
REFERENCE DESIGNATION INDEX

Reference Designation	Figure and Index Number	Part Number
1	1 -	102870
1A1	1-2	102873
1A1	2-1	102873
1A1C1	2-1	UK20-503
1A1C2	2-1	UK20-503
1A1C3	2-1	UK20-503
1A1C4	2-1	UK20-503
1A1C5	2-1	UK20-503
1A1C6	2-2	DTZ120
1A1C7	2-2	DTZ120
1A1C8	2-3	DD102
1A1C9	2-1	UK20-503
1A1C10	2-1	UK20-503
1A1C11	2-1	UK20-503
1A1C12	2-1	UK20-503
1A1R1	2-4	RCR07G472JS
1A1R2	2-4	RCR07G472JS
1A1R3	2-5	RCR07G332JS
1A1R4	2-6	RCR07G102JS
1A1U1	2-7	SIMVT
1A1U2	2-8	SIMV1
1A1U3	2-9	SIMV2
1A1U4	2-10	SIMV3
1A1U5	2-11	SIMV4
1A1U6	2-1	SIMVB
1A1U7	Text	SN7400N
1A1U8	2-14	SN74151N
1A1U9	2-14	SN74151N
1A1U10	2-14	SN74151N
1A1U11	2-14	SN74151N
1A1U12	2-14	SN74151N
1A1U13	2-14	SN74151N
1A1U14	2-15	SN7430N
1A1U15	2-16	SN7410N
1A1U16	2-16	SN7410N
1A1U17	2-17	SN7404N
1A1U18	2-17	SN7404N
1A1U19	2-18	SN7485N
1A1U20	2-18	SN7483N
1A1U21	2-19	SN74125N
1A1U22	2-20	SN74123N
1A1U23	2-21	SN74121N
1A1U24	2-22	SN7486N
1A1U25	2-23	SN74184N

## REFERENCE DESIGNATION INDEX

Reference Designation	Figure and Index Number	Part Number
1A1U26	2-24	SN7485N
1A1U27	2-24	SN7485N
1A1U28	2-25	SN74193N
1A1U29	2-25	SN74193N
1A1U30	2-13	SN7400N
1A1U31	2-26	SN7414N
1A1U32	2-2	SN74184N
1A1U33	2-27	9322
1A1U34	2-27	9322
1A1U35	2-25	SN74193N
1A1U36	2-28	SN7420N
1A1U37	2-25	SN74193N
1A1U38	2-29	SN7474N
1A1U39	2-23	SN74184N
1A1U40	2-25	SN74193N
1A1U41	2-25	SN74193N
1A1U42	2-23	SN74184N
1A2	1-7	102871
1A2	3-	102871
1A2ADS1	3-1	549-0104
1A2ADS2	3-1	549-0104
1A2ADS3	3-1	549-0104
1A2ADS4	3-1	549-0104
1A2ADS5	3-1	549-0104
1A2ADS6	3-1	549-0104
1A2ADS7	3-1	549-0104
1A2ADS8	3-1	549-0104
1A2ADS9	3-1	549-0104
1A2ADS10	3-1	549-0104
1A2ADS11	3-1	549-0104
1A2ADS12	3-1	549-0104
1A2ADS13	3-1	549-0104
1A2ADS14	3-1	549-0104
1A2ADS15	3-1	549-0104
1A2ADS16	3-1	549-0104
1A2BDS1	3-1	549-0104
1A2BDS2	3-1	549-0104
1A2BDS3	3-1	549-0104
1A2BDS4	3-1	549-0104
1A2BDS5	3-1	549-0104
1A2BDS6	3-1	549-0104
1A2BDS7	3-1	549-0104
1A2BDS8	3-1	549-0104
1A2BDS9	3-1	549-0104
1A2BDS10	3-1	549-0104
1A2BDS11	3-1	549-0104
1A2BDS12	3-1	549-0104
1A2BDS13	3-1	549-0104

## REFERENCE DESIGNATION INDEX

Reference Designation	Figure and Index Number	Part Number
1A2BDS14	3-1	549-0104
1A2BDS15	3-1	549-0104
1A2BDS16	3-1	549-0104
1A2C1	3-2	150D336X0020B2
1A2C2	3-2	150D336X0020B2
1A2C3	3-3	DD103
1A2C4	3-4	UK20-503
1A2C5	3-4	UK20-503
1A2C6	3-4	UK20-503
1A2C7	3-4	UK20-503
1A2C8	3-4	UK20-503
1A2C9	3-4	UK20-503
1A2C10	3-4	UK20-503
1A2C11	3-4	UK20-503
1A2C12	3-5	DD101
1A2C13	3-4	UK20-503
1A2C14	3-4	UK20-503
1A2C15	3-4	UK20-503
1A2C16	3-4	UK20-503
1A2C17	3-6	T110C396M020AB
1A2C18	3-7	DD251
1A2R1	3-8	RCR07G102JS
1A2R2	3-8	RCR07G102JS
1A2R3	3-8	RCR07G102JS
1A2R4	3-8	RCR07G102JS
1A2R5	3-9	RCR07G151JS
1A2R6	3-10	RCR07G183JS
1A2R7	3-9	RCR07G151JS
1A2R8	3-8	RCR07G102JS
1A2R9	3-11	RCR07G562JS
1A2R10	3-12	RCR07G121JS
1A2S1	3-14	7101CQ
1A2S2	3-14	7101CQ
1A2S3	3-14	7101CQ
1A2S4	3-14	7101CQ
1A2S5	3-14	7101CQ
1A2S6	3-14	7101CQ
1A2S7	3-14	7101CQ
1A2S8	3-14	7101CQ
1A2S9	3-16	7201CQ
1A2S10	3-17	8121CQ
1A2S11	3-17	8121CQ
1A2S12	3-14	7101CQ
1A2S13	3-14	7101CQ
1A2S14	3-18	1A21-00-01G0-3
1A2S15	3-19	3A21-08-12GV0-7



## REFERENCE DESIGNATION INDEX

Reference Designation	Figure and Index Number	Part Number
1A2S16	3-20	1A21-00-31GY0-11
1A2S17A	3-21	1A21-00-28G0-1
1A2S17B	3-22	4A21-00-28G0-7
1A2S18	3-14	7101CQ
1A2S19	3-14	7101CQ
1A2S20	3-23	1A21-00-12GV0-7
1A2S21	3-24	2A21-00-12G
1A2S22	3-24	2A21-00-12G
1A2S23	3-14	7101CQ
1A2S24	3-25	7103CQ
1A2S25	3-14	7101CQ
1A2S26	3-26	7105CQ
1A2S27	3-14	7101CQ
1A2TP1	3-27	460-2948-03-03-00
1A2TP2	3-27	460-2948-03-03-00
1A2TP3	3-27	460-2948-03-03-00
1A2TP4	3-27	460-2948-03-03-00
1A2TP5	3-27	460-2948-03-03-00
1A2TP6	3-27	460-2948-03-03-00
1A2TP7	3-27	460-2948-03-03-00
1A2TP8	3-27	460-2948-03-03-00
1A2TP9	3-27	460-2948-03-03-00
1A2TP10	3-27	460-2948-03-03-00
1A2TP11	3-27	460-2948-03-03-00
1A2U1	3-28	9314DC
1A2U2	3-28	9314DC
1A2U3	3-29	898-1R10K
1A2U4	3-30	SN7414N
1A2U5	3-31	SN7416N
1A2U6	3-31	SN7416N
1A2U7	3-28	9314DC
1A2U8	3-31	SN7416N
1A2U9	3-28	9314DC
1A2U10	3-31	SN7416N
1A2U11	3-32	SN74173N
1A2U12	3-31	SN7416N
1A2U13	3-32	SN74173N
1A2U14	3-31	SN7416N
1A2U15	3-32	SN74173N
1A2U16	3-32	SN74173N
1A2U17	3-33	SN7400N
1A2U18	3-30	SN7414N
1A2U19	3-33	SN7400N
1A2U20	3-34	SN7474N
1A2U21	3-35	SN74H04N
1A2U22	3-36	SN74H40N
1A2U23	3-34	SN7474N

## REFERENCE DESIGNATION INDEX

Reference Designation	Figure and Index Number	Part Number
1A2U24	3-37	SN74121N
1A2U25	3-38	DL707R
1A2U26	3-38	DL707R
1A2U27	3-38	DL707R
1A2U28	3-38	DL707R
1A2U29	3-38	DL707R
1A2U30	3-39	899-3R150
1A2U31	3-39	899-3R150
1A2U32	3-39	899-3R150
1A2U33	3-39	899-3R150
1A2U34	3-40	SN7447N
1A2U35	3-40	SN7447N
1A2U36	3-40	SN7447N
1A2U37	3-40	SN7447N
1A2U38	3-41	SN74193N
1A2U39	3-41	SN74193N
1A2U40	3-41	SN74193N
1A2U41	3-41	SN74193N
1A2U42	3-42	SN7485N
1A2U43	3-33	SN7400N
1A2U44	3-42	SN7485N
1A2U45	3-42	SN7485N
1A2U46	3-41	SN74193N
1A2U47	3-41	SN74193N
1A2U48	3-42	SN7485N
1A2U49	3-42	SN7485N
1A2U50	3-42	SN7485N
1A2U51	3-42	SN7485N
1A3	1-23	103390-2
1A3	4-	103390-2
1A3C1	4-1	UK20-503
1A3C2	4-2	T368A685M006AS
1A3C3	4-1	UK20-503
1A3C4	4-3	T368B225M015AS
1A3C5	4-1	UK20-503
1A3C6	4-1	UK20-503
1A3C7	4-1	UK20-503
1A3C8	4-1	UK20-503
1A3C9	4-1	UK20-503
1A3C10	4-1	UK20-503
1A3C11	4-1	UK20-503
1A3C12	4-1	UK20-503
1A3C13	4-1	UK20-503
1A3C14	4-1	UK20-503
1A3C15	4-1	UK20-503

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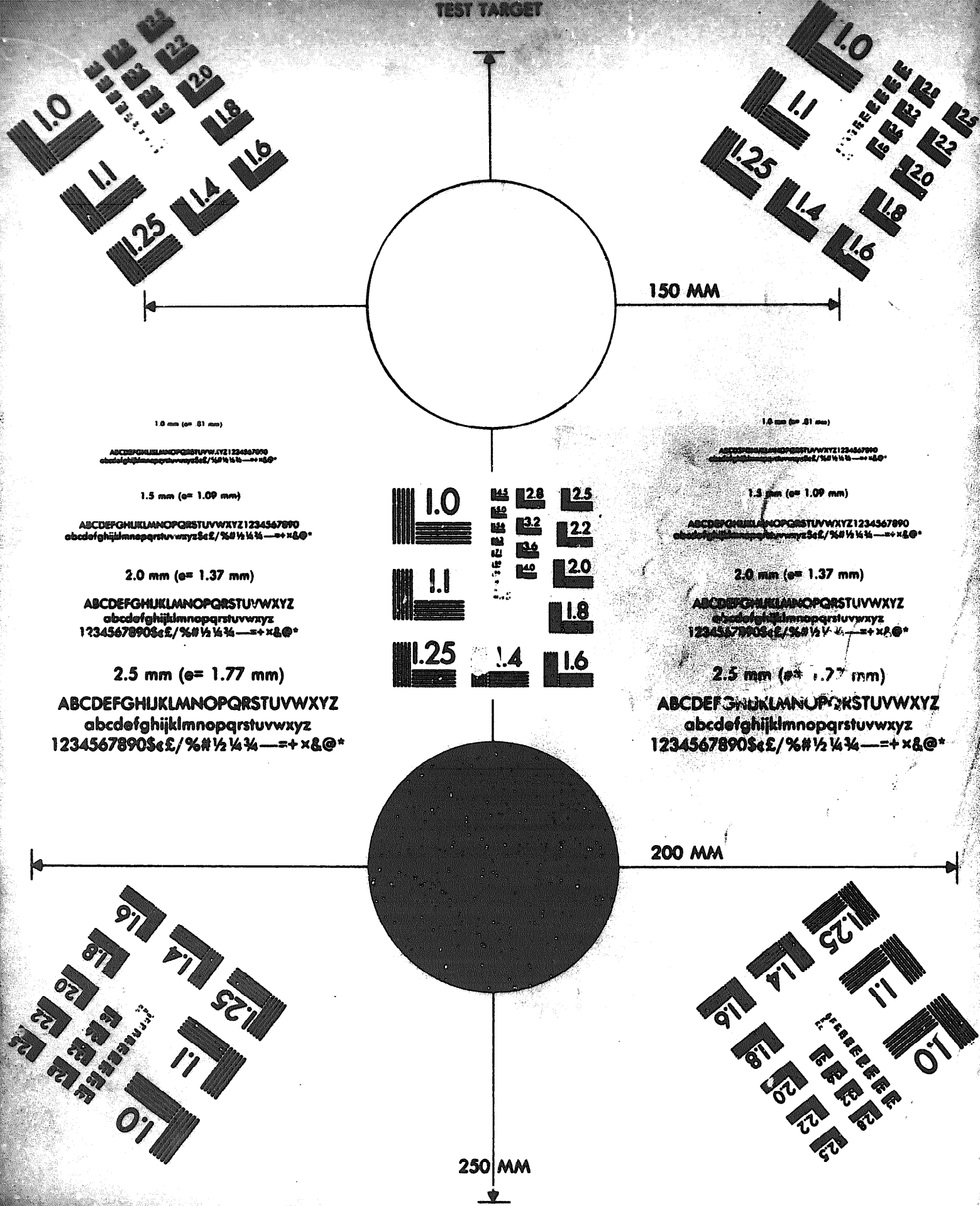
**04-10-83**

**DATE**





TEST TARGET



1.0 mm (ø = 81 mm)

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1.5 mm (ø = 1.09 mm)

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abcdefghijklmnopqrstuvwxyz \$%& / # 1/2 1/4 3/4 - = + x & @ \*

2.0 mm (ø = 1.37 mm)

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2.5 mm (ø = 1.77 mm)

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1.0 mm (ø = 81 mm)

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1.5 mm (ø = 1.09 mm)

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2.0 mm (ø = 1.37 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 \$%& / # 1/2 1/4 3/4 - = + x & @ \*

2.5 mm (ø = 1.77 mm)

ABCDEFGHIJKLMN OPQRSTUVWXYZ  
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150 MM

200 MM

250 MM