

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS
FOR
ELECTRONIC TEST SET, HEWLETT-PACKARD MODEL 5004A
(NSN 6625-01-049-8516)
Current as of 19 January 1982

Headquarters, Department of the Army, Washington, DC
27 August 1982

REPORTING OF ERRORS

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Section I. INTRODUCTION

1. Scope. This manual lists spares and repair parts that are required for maintenance of Electronic Test Set, Hewlett-Packard Model 5004A. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

2. General. This repair parts and special tools list (RPSTL) is divided into the following sections:

a. Section II. Repair Parts List. A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts are listed in alphabetical sequence within each figure number.

b. Section III. Special Tools List. Not applicable.

c. Section IV. National Stock Number and Part Number Index. A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN's) appearing listings, followed by a list in alphanumeric sequence of all part numbers appearing in the listings. NSN's and part numbers are cross-referenced to the figure and item number appearance.

3. Explanation of Columns

a. Illustration. This column is divided as follows:

(1) Figure Number. Indicates the figure number of the item shown.

(2) Item Number. The number used to identify each item called out in the list.

b. Source, Maintenance, and Recoverability (SMR) Codes.

(1) Source Code. Source codes indicate the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are entered in the first and second positions of the uniform SMR code format as follows:

Code	Definition
PA -	Item procured and stocked for anticipated or known usage.

(2) Maintenance Code. Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the uniform SMR code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. This position will contain the following code:

Code	Application/Explanation
------	-------------------------

F -	Support item is removed, replaced, and used at the direct support level.
-----	--

(b) The maintenance code entered in the fourth position indicates whether item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

Code	Application/Explanation
------	-------------------------

- | | | |
|---|---|---|
| F | - | The lowest maintenance level capable of complete repair of the support item is the general support level. |
| Z | - | Nonreparable. No repair is authorized. |

(3) Recoverability code are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the uniform SMR code format as follows:

Code	Definition
------	------------

- | | | |
|---|---|--|
| F | - | When uneconomically reparable condemn and dispose at the direct support level |
| Z | - | Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3. |

c. National Stock Number. Indicates the NSN assigned to the item and which will be used for requisitioning.

d. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-42 which is used to identify the manufacturer, distributor, or Government agency, etc.

e. Part Number. Indicates the primary number used by the manufacturer (individual, company, firm, corporation, or Government activity), which controls the design and characteristics of the item by means of its engineering drawings, specifications, standards, and inspection requirements to identify an item or range of items.

NOTE

When a stock numbered item is requisitioned, the item received may have a different part number than the part being replaced.

f. Description. Indicates the Federal item name and, if required, a minimum description to identify the item.

g. Unit of Measure (U/M). Indicates the standard of the basic quantity of the listed item as used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation (e.g., ea, in, pr, etc). When the U/M differs from the unit of issue, the lowest unit of issue that will satisfy the required U/M's will be requisitioned.

h. Quantity Incorporated In Unit. Indicates the quantity of the item used in the breakout, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

a. Repair parts for components of standards sets which can be identified as existing in the supply system will be requisitioned through normal supply channels from the appropriate supply commodity manager.

b. Repair parts for components of standards sets which cannot be identified as to proper supply source will be requisitioned from USAMICOM, using routing identifier B64 and furnishing as a minimum, the following as exception data.

- (1) Component stock number of the individual end item to be repaired.
- (2) Component manufacturer's equipment model number and serial number.
- (3) The equipment manufacturer's stock number as listed in the appropriate manual for the desired repair part.
- (4) The repair part reference designation, circuit reference, circuit symbol schematic designation, or reference number as listed in the manufacturer's manual.
- (5) The technical specification of the repair part as contained in the appropriate manufacturer's manual.
- (6) The title and date of the manufacturer's manual from which the information in a and b(3), (4), and (5) above was taken.

c. NSN's that are missing for "p" source coded items have been applied for and will be added to this manual by a change or revision when they are entered in the Amy master data file (AMDF). Until the NSN's are established, submit exception requisitions to the Commander, ATTN: DRSMI-SS, Redstone Arsenal, AL 35898, for the part required to support your equipment.

5. How to Locate Repair Parts

- a.** When NSN or part number is unknown, use the repair parts listing to locate the item by description. This list is listed in alphabetical sequence within each figure number.
- b.** When NSN or part number is known, use the index of NSN's and part numbers to find the pertinent NSN or part number. This index is in ascending NSN cross referenced to the figure number and item number. After finding the figure and item number, locate the item in the repair parts list.

6. Abbreviations Not applicable.

3 (4 blank)

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
						GROUP 7024 TEST SET, ELECTRONIC 5004A (28480)		
						MAINFRAME ASSEMBLSY		
						CONSISTING OF		
1	20	PAFZZ	615-00-008-5075	16428	KH7081	CABLE ASSEMBLY POWE.....	EA	1
1	30	PAFZZ	5995-01-074-3946	28480	5061-1215	CABLE ASSEMBLY, POWE.....	EA	1
1	40	PAFZZ	5920-00-504-8634	81349	E028250V-4A	FUSE, CARTRIDGE	EA	1
1	50	PAFZZ	5340-01-116-9497	28480	5040-8058	HANDLE, BAIL	EA	1
1	60	PAFZZ	5962-01-110-1573	28480	1826-0181	MICROCIRCUIT.....	EA	1
1	70	PAFZZ	5365-00-403-3182	28480	0380-0007	SPACER, SLEEVE.....	EA	3
1	80	PAFZZ	6625-01-060-8073	28480	10230-62101	TIP, PROBE	EA	5
1	90	PFAZZ	5950-01-114-9084	28480	9100-3063	TRANSFORMER, POWER	EA	1
2	100	PAFFF		28480	05004-60007	CIRCUIT CARD ASSY MAIN.....	EA	1
						CONSISTING OF		
2	110	PAFZZ	591000-048-6925		562CZUF8101AF10	CAPICITOR, FIXED, CER.....	EA	16
				56289	3M			
2	120	PAFZZ	5910-00-010-8717	81349	M39014/01-1593	CAPICITOR, FIXED, CER.....	EA	7
2	130	PAFZZ	5910-00-472-5006	28480	0160-3043	CAPICITOR, FIXED, CER.....	EA	1
2	140	PAFZZ	5910-00-240-6618	56289	360X292G040AA2A	CAPICITOR, FIXED, ELE.....	EA	1
2	150	PAFZZ	5910-00-917-1862	56289	1500335X0015A2D	CAPICITOR, FIXED, ELE.....	EA	1
2	160	PAFZZ	5910-00-931-7050	28480	0180-0374	CAPICITOR, FIXED, ELE.....	EA	4
2	170	PAFZZ	5999-00-333-9620	28480	2110-0269	CLIP, ELECTRICAL	EA	2
2	180	PAFZZ	5935-01-082-1966	28480	1251-0600	CONNECTOR, RECEPTACL	EA	3
2	190	PAFZZ	5999-01-087-8310	28480	1251-4707	CONTACT, ELECTRICAL	EA	5
2	200	PAFZZ	5962-01-110-2816	28480	1820-1433	MICROCIRCUIT.....	EA	2
2	210	PAFZZ	5962-01-110-2823	28480	1820-1195	MICROCIRCUIT.....	EA	1
2	220	PAFZZ	5962-01-110-2841	28480	1820-0685	MICROCIRCUIT.....	EA	1
2	230	PAFZZ	5962-01-110-2860	28480	1820-1281	MICROCIRCUIT.....	EA	1
2	240	PAFZZ	5962-01-114-1375	28480	1816-1007	MICROCIRCUIT, DIGITAL.....	EA	1
2	250	PAFZZ	5962-01-014-7041	28480	1820-1001	MICROCIRCUIT, DIGITAL.....	EA	1
2	260	PAFZZ	5962-01-026-2493	81349	M38510/30007BCB	MICROCIRCUIT, DIGITAL.....	EA	1
2	270	PAFZZ	5962-01-027-6863	81349	M38510/30003BCB	MICROCIRCUIT, DIGITAL.....	EA	1
2	280	PAFZZ	5962-01-031-7030	81349	M38510/30001BCB	MICROCIRCUIT, DIGITAL.....	EA	1
2	290	PAFZZ	5962-01-039-6395	81349	M38510/30003BCB	MICROCIRCUIT, DIGITAL.....	EA	1

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
2	300	PAFZZ	5962-01-058-7980	81349	M38510/07102BEB	MICROCIRCUIT, DIGITA.....	EA	1
2	310	PAFZZ	5905-00-106-1356	81349	RCR07G152JS	RESISTOR, FIXED, COMP.....	EA	2
2	320	PAFZZ	5905-00-106-9356	81349	RCR07G103JS	RESISTOR, FIXED, COMP.....	EA	1
2	330	PAFZZ	5905-00-110-7620	81349	RCR07G102JS	RESISTOR, FIXED, COMP.....	EA	4
2	340	PAFZZ	5905-00-111-1686	81349	RCR07G161JS	RESISTOR, FIXED, COMP.....	EA	5
2	350	PAFZZ	5905-00-114-0710	81349	RCR07G331JS	RESISTOR, FIXED, COMP.....	EA	2
2	360	PAFZZ	5905-00-114-0711	81349	RCR07G472JS	RESISTOR, FIXED, COMP.....	EA	2
2	370	PAFZZ	5905-00-116-8556	81349	RCR07G233JS	RESISTOR, FIXED, COMP.....	EA	2
2	380	PAFZZ	5905-00-135-3973	81349	RCR07G221JS	RESISTOR, FIXED, COMP.....	EA	9
2	390	PAFZZ	5905-00-135-3974	81349	RCR07G431JS	RESISTOR, FIXED, COMP.....	EA	5
2	400	PAFZZ	5905-00-136-8406	81349	RCR07G242JS	RESISTOR, FIXED, COMP.....	EA	2
2	410	PAFZZ	5905-00-141-0742	81349	RCR07G181JS	RESISTOR, FIXED, COMP.....	EA	1
2	420	PAFZZ	5905-00-141-1132	81349	RCR07G752JS	RESISTOR, FIXED, COMP.....	EA	4
2	430	PAFZZ	5905-01-075-8657	28480	0683-2225	RESISTOR, FIXED, WIRE.....	EA	1
2	440	PAFZZ	5905-00-470-7378	28480	1810-0135	RESISTOR, NETWORK, FI.....	EA	2
2	450	PAFZZ	5961-00-762-3115	80131	IN3956	SEMICONDUCTOR DEVIC.....	EA	5
2	460	PAFZZ	5961-01-114-0739	28480	1858-0014	SEMICONDUCTOR DEVIC.....	EA	4
2	470	PAFZZ	5930-01-110-0635	28480	8101-0555	SWITCH.....	EA	1
2	480	PAFZZ	5930-01-114-0768	28480	3101-2178	SWITCH ASSEMBLY.....	EA	5
2	490	PAFZZ	5930-01-114-9868	28480	3101-0693	SWITCH, SLIDE.....	EA	1
2	500	PAFZZ	5961-00-892-8706	06811	Q0247	TRANSISTOR.....	EA	2
3	510	PAFFF	6625-01-114-0759	28480	05004-60002	CIRCUIT CARD ASSEMB DISPLAY..... CONSISTING OF	EA	1
3	520	PAFZZ	5999-01-065-6016	28480	1251-3768	CONTACT, ELECTRICAL.....	EA	18
3	530	PAFZZ	5961-00-622-0772	28480	1990-0325	SEMICONDUCTOR DEVIC.....	EA	2
3	540	PAFZZ	5961-01-081-9942	28480	1990-0540	SEMICONDUCTOR DEVIC.....	EA	4
4	550	PAFFF	6625-01-123-6758	28480	05004-60005	PROBE ASSEMBLY..... CONSISTING OF	EA	1
4	560	PAFZZ	5995-01-115-3056	28480	05004-60103	CABLE ASSEMBLY, SPEC.....	EA	1
4	570	PAFZZ	5910-00-027-0157	72982	301CDG399C	CAPACITOR, FIXED, CER.....	EA	1
4	580	PAFZZ	6625-01-113-7999	28480	05004-60003	CIRCUIT CARD ASSEMB.....	EA	1
4	590	PAFZZ	6240-00-442-6327	71744	7210	LAMP, INCANDESCENT.....	EA	1
4	600	PAFZZ	5905-01-015-8081	81349	RLR05C3480FR	RESISTOR, FIXED, FILM.....	EA	1
4	610	PAFZZ	5905-00-139-2306	28480	2100-1986	RESISTOR, VARIABLE, N.....	EA	1
4	620	PAFZZ	6625-01-092-6813	28480	00545-20202	STUB-TIP.....	EA	1
4	630	PAFZZ	5315-00-909-2685	28480	5060-0418	TACK.....	EA	1

SECTION II

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(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	FSCM	PART NUMBER	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
5	640	PAFFF	6625-01-123-6759	28480	05004-60006	POD ASSEMBLY.....	EA	1
						CONSISTING OF		
5	650	PAFZZ	6150-01-114-6605	28480	05004-60101	CABLE ASSEMBLY, POWE.....	EA	1
5	660	PAFZZ	5910-00-007-2007	81349	M39003/01-3003	CAPACITOR, FIXED, ELE.....	EA	1
5	670	PAFZZ	5910-00-255-3735	28480	0160-2235	CAPACIROR, FIXED, PAP.....	EA	1
5	680	PAFZZ	6625-01-113-7093	28480	05004-60004	CIRCUIT CARD ASSEMB.....	EA	1
5	690	PAFZZ	5962-00-223-1898	27014	LM307N	MICROCIRCUIT, LINEAR.....	EA	1
5	700	PAFZZ	5905-00-431-7827	81349	RNC55K1471FS	RESISTOR, FIXED, FILM.....	EA	1
5	710	PAFZZ	5905-00-432-0432	81349	RNC55K5111FS	RESISTOR, FIXED, FILM.....	EA	3
5	720	PAFZZ	5905-00-432-0425	81349	RNC55K6040FS	RESISTOR, FIXED, FILM.....	EA	3
5	730	PAFZZ	5905-00-012-2867	81349	RNC70K4642FS	RESISTOR, FIXED, FILM.....	EA	3
5	740	PAFZZ	5905-00-974-6081	75042	CEATO-3831F	RESISTOR, FIXED, FILM.....	EA	1
5	750	PAFZZ	5305-01-096-6002	28480	0624-0306	SCREW.....	EA	4
5	760	PAFZZ	5935-01-114-3479	28480	5040-0563	SHELL, ELECTRICAL CO.....	EA	1

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STOCK NUMBER.	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5910-00-007-2002	5	660	5905-00-974-6081	5	740
6150-00-008-5075	1	20	5962-01-014-7041	2	250
5910-00-010-8717	2	120	5905-01-015-8081	4	600
5905-00-012-2867	5	730	5962-01-026-2493	2	260
5910-00-027-0157	4	570	5962-01-027-6863	2	270
5910-00-048-6925	2	110	5962-01-031-7030	2	280
5905-00-106-1356	2	310	5962-01-039-6395	2	290
5905-00-106-9356	2	320	5962-01-058-7980	2	300
5905-00-110-7620	2	330	6625-01-060-8073	1	80
5905-00-111-1686	2	340	5999-01-065-6016	3	520
5905-00-114-0710	2	350	5995-01-074-3946	1	30
5905-00-114-0711	2	360	5905-01-075-8657	2	430
5905-00-116-8556	2	370	5961-01-081-9942	3	540
5905-00-135-3973	2	380	5935-01-082-1966	2	180
5905-00-135-3974	2	390	5999-01-087-8310	2	190
5905-00-136-8406	2	400	6625-01-092-6813	4	620
5905-00-139-2306	4	610	5305-01-096-6002	5	790
5905-00-141-0742	2	410	5930-01-110-0635	2	470
5905-00-141-1132	2	420	5962-01-110-1573	1	60
5962-00-223-1898	5	690	5962-01-110-2816	2	200
5910-00-240-6618	2	140	5962-01-110-2823	2	210
5910-00-255-3735	5	670	5962-01-110-2841	2	720
5999-00-333-9620	2	170	5962-01-110-2860	2	230
5365-00-403-3182	1	70	6625-01-113-7093	5	680
5905-00-431-1827	5	700	6625-01-113-7999	4	580
5905-00-432-0422	5	710	5961-01-114-0739	2	460
5905-00-432-0425	5	720	6625-01-114-0759	3	510
6240-00-442-6327	4	590	5930-01-114-0768	2	480
5905-00-470-7378	2	440	5962-01-114-1375	2	240
5910-00-472-5006	2	130	5935-01-114-3479	5	760
5920-00-504-8634	1	40	6150-01-114-6605	5	650
5961-00-622-0772	3	530	5950-01-114-9084	1	90
5961-00-162-3115	2	450	5930-01-114-9868	2	490
5961-00-892-8706	2	500	5995-01-115-3056	4	560
5315-00-909-2685	4	630	5340-01-116-9497	1	50
5910-00-917-1862	2	150	6625-01-123-6758	4	550
5910-00-931-7050	2	160	6625-01-123-6759	5	640

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
75042	CEATO-3831F	5	740	28480	05004-60006	5	640
81349	FOIZB25VI-4	1	40	28480	05004-60D07	2	100
16428	KH7081	1	20	28480	05004-60101	5	650
27014	LM307N	5	690	28480	05004-60103	4	960
81349	M38510/07102BEB	2	300	28480	0624-0306	5	750
81349	M38510/300018CB	2	280	28480	0683-2225	2	430
81349	M38510/30003BCB	2	270	80131	1N3956	2	450
81349	M38510/300078CB	2	260	28480	10230-62101	1	80
81349	M38510/303018CB	2	290	28480	1251-0600	2	180
81349	M39003/01-3003	5	660	28480	1251-3768	3	520
81349	M39014/01-1593	2	120	28480	1251-4707	2	190
06811	Q0247	2	500	56289	1500335XO015A20	2	150
81349	RCR07GIO2JS	2	330	28480	1810-0135	2	440
81349	RCR07GI52JS	2	310	28480	1816-1007	2	240
81349	RCR07GI61JS	2	340	28480	1820-0685	2	220
81349	RCR07GI81JS	2	410	28480	1820-1001	2	250
81349	RCR07G203JS	2	320	28480	1820-1195	2	210
81349	RCR07G221JS	2	380	28480	1820-1281	2	230
81349	RCR07G223JS	2	370	28480	1820-1433	2	200
81349	RCR07G242JS	2	400	28480	1826-0181	1	60
81349	RCR07G331JS	2	350	28480	1858-0014	2	460
81349	RCR07G431JS	2	390	29490	1990-0325	3	530
81349	RCR07G472JS	2	360	28480	1990-05-0	3	540
81349	RCR07G752JS	2	420	28480	2100-1986	4	610
81349	RLR05C3480FR	4	600	28480	2110-0269	2	170
81349	RNC55K1471FS	5	700	72982	301CCG399C	4	570
81349	RNC55K5111FS	5	710	28480	3101-0555	2	470
81349	RNC55K6030FS	5	720	28480	3101-0693	2	490
81349	RNC70K4642FS	5	730	28480	3101-2178	2	480
28480	00545-20202	4	620	56289	360X2920GO40AA2A	2	140
28480	0160-2235	5	670	28480	5040-0563	5	760
28480	0160-3043	2	130	28480	5040-8058	1	50
28480	0180-0374	2	160	28480	5060-0418	4	630
28480	0380-0007	1	70	28480	5061-1215	1	30
28480	05004-60002	3	510	56289	562CZSUFBIOIAF103M	2	110
28480	05004-60003	4	580	711744	7210	4	590
28480	05004-60004	5	680	29480	9100-3063	1	90
28480	05004-60005	4	550				

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