

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
 CALIBRATOR, ELECTRIC, HEWLETT-PACKARD MODEL 11683A
 (NSN 6625-01-037-0429)
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 12 April 1983

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	Functional group	Group title	Model No.
	7031	Calibrator, electric	11683A
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Section I. INTRODUCTION

1. Scope. This manual lists spares and repair parts that are required for maintenance of Calibrator, Electric, Hewlett-Packard Model 11683A. 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 in the 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 the 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 the following maintenance code:

Code	Application/Explanation
F -	The lowest maintenance level capable of complete repair of the support item is the direct support level.
Z -	Nonreparable. No repair is authorized.

(3) Recoverability Code. Recoverability codes 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 -	Reparable item. 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.

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.

SECTION II

REPAIR PARTS LIST

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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	U/M	QTY INC IN UNIT
						USABLE ON CODE		
						GROUP 7031 CALIBRATOR,ELECTRIC 11683A (28480) MAINFRAME CONSISTING OF		
1	20	PAFZZ	6150-00-008-5075	16428	KH7081	CABLE ASSEMBLY,POWE	EA	1
1	30	PAFZZ	6935-00-853-7596	81349	M39012/21-0002	CONNECTOR,RECEPTACL.....	EA	1
1	40	PAFZZ	5920-00-296-0451	81349	F02A250V1/8A	FUSE,CARTRIDGE.....	EA	1
1	50	PAFZZ	5920-00-221-4528	81349	F02A250V1/16A	FUSE,CARTRIDGE.....	EA	1
1	60	PAFZZ	6240-00-951-3376	81349	M15098-11-004	LAMP,GLOW.....	EA	1
1	70	PAFZZ	5310-00-140-8085	95146	N1A	NUT,DECORATIVE.....	EA	2
1	80	PAFZZ	5310-00-208-6743	83330	1195	NUT,PLAIN,HEXAGON	EA	2
1	90	PAFZZ	5310-00-814-5677	50985	1589900009	NUT,PLAIN,HEXAGON	EA	2
1	100	PAFZZ	5310-00-401-6933	28480	0590-0052	NUT,SHEET SPRING.....	EA	1
1	120	PAFZZ	5305-00-005-0798	28480	2360-0113	SCREW,ASSEMBLED WAS.....	EA	1
1	130	PAFZZ	5930-01-043-3521	28480	3101-1594	SWITCH,SLIDE.....	EA	1
1	140	PAFZZ	5940-01-016-5118	28480	0360-1190	TERMINAL,LUG.....	EA	1
1	150	PAFZZ	5940-00-144-2204	98278	2611225-15	TERMINAL,QUICK DISC	EA	8
1	160	PAFZZ	5950-01-064-1626	28480	9100-0552	TRANSFORMER,POWER	EA	1
1	170	PAFZZ	5310-00-401-6931	28480	2190-0016	WASHER,LOCK.....	EA	2
1	180	PAFZZ	5310-00-725-1985	37695	107003-563	WASHER,LOCK.....	EA	2
2	10	PAFFF	6625-01-143-4521	28480	11683-60005	RANGE SWITCH ASSEMB A1 BOARD.....	EA	1
						CONSISTING OF		
2	20	PAFZZ	5905-01-109-9212	28480	0811-3214	RESISTOR	EA	1
2	30	PAFZZ	5905-01-035-6123	28480	0811-0578	RESISTOR,FIXED,COMP.....	EA	1
2	40	PAFZZ	5905-01-035-6122	28480	0811-0576	RESISTOR ,FIXED,COMP.....	EA	1
2	50	PAFZZ	5905-01-064-3959	28480	0811-0575	RESISTOR,FIXED,WIRE	EA	1
2	60	PAFZZ	5905-01-064-3958	28480	0811-0574	RESISTOR,FIXED,WIRE	EA	1
2	70	PAFZZ	5905-01-064-7736	28480	0811-0573	RESISTOR,FIXED,WIRE	EA	1
2	80	PAFZZ	5905-01-064-3957	28480	0811-0572	RESISTOR,FIXED,WIRE	EA	1
2	90	PAFZZ	5905-01-064-5655	28480	0811-0571	RESISTOR,FIXED,WIRE	EA	1
2	100	PAFZZ	5905-01-064-3956	28480	0811-0570	RESISTOR,FIXED,WIRE	EA	1
2	110	PAFZZ	5905-01-064-3961	28480	0811-0579	RESISTOR,FIXED,WIRE	EA	1
2	120	PAFZZ	5905-01-064-3960	28480	0811-0577	RESISTOR,FIXED,WIRE	EA	1
2	130	PAFZZ	5930-01-033-8402	28480	3100-3211	SWITCH,ROTARY	EA	1
3	10	PAFFF	6625-01-142-2622	28480	11683-60001	POWER SUPPLY ASSEY A2 BOARD.....	EA	1
						CONSISTING OF		

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	U/M	QTY INC IN UNIT
						USABLE ON CODE		
3	20	PAFZZ	5910-00-879-0123	49671	8959154-166	CAPACITOR, FIXED, ELE	EA	1
3	30	PAFZZ	5910-00-463-5949	28480	0160-2204	CAPACITOR, FIXED, MIC	EA	1
3	40	PAFZZ	5962-00-451-3131	28480	1820-0196	MICROCIRCUIT, LINEAR	EA	1
3	50	PAFZZ	5905-00-233-0040	81349	RNC55K28R7FS	RESISTOR, FIXED, FILM	EA	1
3	60	PAFZZ	5905-00-432-6380	81349	RNC55K2871FS	RESISTOR, FIXED, FILM	EA	1
3	70	PAFZZ	5905-00-189-1218	81349	RNC55K2371FS	RESISTOR, FIXED, FILM	EA	1
3	80	PAFZZ	5905-00-407-2402	28480	2100-1788	RESISTOR, VARIABLE, N	EA	1
3	90	PAFZZ	5961-00-496-7363	28480	1901-0731	SEMICONDUCTOR DEVIC	EA	4
3	100	PAFZZ	5930-01-065-2286	28480	3101-0553	SWITCH, TOGGLE	EA	1
3	110	PAFZZ	5930-01-064-5724	28480	3101-0554	SWITCH, TOGGLE	EA	1
4	10	PAFFF	6625-01-142-2623	28480	11683-60003	SAMPLING GATE ASSEM A3 BOARD	EA	1
						CONSISTING OF		
4	20	PAFZZ	6625-01-112-5251	28480	5040-6940	BLOCK	EA	1
4	30	PAFZZ	5910-00-451-3194	28480	0160-2357	CAPACITOR, FIXED, CER	EA	1
4	40	PAFZZ	5999-01-103-4608	28480	08481-20011	CHASSIS, ELECTRICAL	EA	2
4	50	PAFZZ	5340-01-126-0743	28480	5040-6939	CLAMP	EA	1
4	60	PAFZZ	5935-01-073-2562	02660	91-T-3638	CONNECTOR, RECEPTACL	EA	1
4	70	PAFZZ	5999-01-110-3444	28480	08481-00002	PLATE, ELECTRICAL SH	EA	2
4	80	PAFZZ	5905-01-036-7840	81349	RLR05C1960FR	RESISTOR, FIXED, FILM	EA	1
4	100	PAFZZ	5305-01-071-1978	28480	3030-0422	SCREW SOCKET CAP	EA	8
4	110	PAFZZ	6625-01-110-4204	28480	08481-40003	SPACER	EA	1
4	120	PAFZZ	5360-01-082-0664	28480	1460-1330	SPRING	EA	1
5	10	PAFFF	6625-01-053-6332	28480	08481-60025	CIRCUIT CARD ASSEMB A3A1 BOARD	EA	1
						CONSISTING OF		
5	20	PAFZZ	5910-00-113-5499	81349	M39014/02-1350	CAPACITOR, FIXED, CER	EA	1
5	30	PAFZZ	5910-00-477-8011	72982	8121M112X7R0103M	CAPACITOR, FIXED, CER	EA	1
5	40	PAFZZ	5962-01-121-3930	28480	1813-0060	MICROCIRCUIT	EA	1
5	50	PAFZZ	5905-00-506-6620	81349	RNC55K4643FS	RESISTOR, FIXED, FILM	EA	1
5	60	PAFZZ	5905-01-023-2404	81349	RLR05C3161FR	RESISTOR, FIXED, FILM	EA	1
5	70	PAFZZ	5905-01-015-8085	81349	RLR 05C1001FR	RESISTOR, FIXED, FILM	EA	3
5	80	PAFZZ	5905-01-036-5130	81349	RLR05C3160FR	RESISTOR , FIXED, FILM	EA	1
5	90	PAFZZ	5905-01-065-4051	28480	0811-3210	RESISTOR, FIXED, WIRE	EA	1
5	100	PAFZZ	5961-01-064-9364	28480	1854-0610	TRANSISTOR	EA	1
6	10	PAFFF	6625-00-169-8770	28480	0960-0443	MODULE ASSEMBLY A4 BOARD	EA	1
						CONSISTING OF		
6	20	PAFZZ	6625-01-027-3660	28480	5020-8122	BOARD, JUMPER	EA	1
7	10	PAFFF	6625-01-143-4562	28480	11683-60002	CIRCUIT CARD ASSEMB A3A1 BOARD	EA	1
						CONSISTING OF		
7	20	PAFZZ	5910-01-027-9482	28480	0160-3872	CAPACITOR, FIXED, CER	EA	1
7	30	PAFZZ	5910-00-113-5499	81349	M39014/02-1350	CAPACITOR, FIXED, CER	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	U/M	QTY INC IN UNIT
						USABLE ON CODE		
7	40	PAFZZ	5910-00-477-8011	72982	8121M112X7R0103M	CAPACITOR, FIXED, CER	EA	1
7	50	PAFZZ	5905-01-036-5130	81349	RLR05C3160FR	RESISTOR, FIXED, FILM	EA	1
7	60	PAFZZ	5905-00-005-2891	81349	RNC55K31R6FS	RESISTOR, FIXED, FILM	EA	1
7	70	PAFZZ	5905-01-015-8085	81349	RLR05C1001FR	RESISTOR, FIXED, FILM	EA	3
7	80	PAFZZ	5905-01-023-2404	81349	RLR05C3161FR	RESISTOR, FIXED, FILM	EA	1
7	90	PAFZZ	5905-00-506-6620	81349	RNC55K4643FS	RESISTOR, FIXED, FILM	EA	1
7	110	PAFZZ	5961-01-064-9364	28480	1854-0610	TRANSISTOR	EA	1

SECTION IV

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

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STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5305-00-005-0798	1	120	5930-01-033-8402	2	130
5905-00-005-2891	7	60	5905-01-035-6122	2	40
6150-00-008-5075	1	20	5905-01-035-6123	2	30
5910-00-113-5499	5	20	5905-01-036-5130	5	80
5910-00-113-5499	7	30	5905-01-036-5130	7	50
5310-00-140-8085	1	70	5905-01-036-7840	4	80
5940-00-144-2204	1	150	5930-01-043-3521	1	130
6625-00-169-8770	6	10	6625-01-053-6332	5	10
5905-00-189-1218	3	70	5950-01-064-1626	1	160
5310-00-208-6743	1	80	5905-01-064-3956	2	100
5920-00-221-4528	1	50	5905-01-064-3957	2	80
5905-00-233-0040	3	50	5905-01-064-3958	2	60
5920-00-296-0451	1	40	5905-01-064-3959	2	50
5310-00-401-6931	1	170	5905-01-064-3960	2	120
5310-00-401-6933	1	100	5905-01-064-3961	2	110
5905-00-407-2402	3	80	5905-01-064-5655	2	90
5905-00-432-6380	3	60	5930-01-064-5724	3	110
5962-00-451-3131	3	40	5905-01-064-7736	2	70
5910-00-451-3194	4	30	5961-01-064-9364	5	100
5910-00-463-5949	3	30	5961-01-064-9364	7	110
5910-00-477-8011	5	30	5930-01-065-2286	3	100
5910-00-477-8011	7	40	5905-01-065-4051	5	90
5961-00-496-7363	3	90	5305-01-071-1978	4	100
5905-00-506-6620	5	50	5935-01-073-2562	4	60
5905-00-506-6620	7	90	5360-01-082-0664	4	120
5310-00-725-1985	1	180	5999-01-103-4608	4	40
5310-00-814-5677	1	90	5905-01-109-9212	2	20
5935-00-853-7596	1	30	5999-01-110-3444	4	70
5910-00-879-0123	3	20	6625-01-110-4204	4	110
6240-00-951-3376	1	60	6625-01-112-5251	4	20
5905-01-015-8085	5	70	5962-01-121-3930	5	40
5905-01-015-8085	7	70	5340-01-126-0743	4	50
5940-01-016-5118	1	140	6625-01-142-2622	3	10
5905-01-023-2404	5	60	6625-01-142-2623	4	10
5905-01-023-2404	7	80	6625-01-143-4521	2	10
6625-01-027-3660	6	20	6625-01-143-4562	7	10
5910-01-027-9482	7	20			

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
81349	F02A250V1/16A	1	50	28480	0811-3210	5	90
81349	F02A250V1/8A	1	40	28480	0811-3214	2	20
16428	KH7081	1	20	28480	08481-00002	4	70
81349	M15098-11-004	1	60	28480	08481-20011	4	40
81349	M39012/21-0002	1	30	28480	08481-40003	4	110
81349	M39014/02-1350	5	20	28480	08481-60025	5	10
81349	M39014/02-1350	7	30	28480	0960-0443	6	10
95146	N1A	1	70	37695	107003-563	1	180
81349	RLR05C1001FR	5	70	28480	11683-60001	3	10
81349	RLR05C1001FR	7	70	28480	11683-60002	7	10
81349	RLR05C1960FR	4	80	28480	11683-60003	4	10
81349	RLR05C3160FR	5	80	28480	11683-60005	2	10
81349	RLR05C3160FR	7	50	83330	1195	1	80
81349	RLR05C3161FR	5	60	28480	1460-1330	4	120
81349	RLR05C3161FR	7	80	50985	1589900009	1	90
81349	RNC55K2371FS	3	70	28480	1813-0060	5	40
81349	RNC55K28R7FS	3	50	28480	1820-0196	3	40
81349	RNC55K2871FS	3	60	28480	1854-0610	5	100
81349	RNC55K31R6FS	7	60	28480	1854-0610	7	110
81349	RNC55K4643FS	5	50	28480	1901-0731	3	90
81349	RNC55K4643FS	7	90	28480	2100-1788	3	80
				28480	2190-0016	1	170
28480	0160-2204	3	30	28480	2360-0113	1	120
28480	0160-2357	4	30	98278	2611225-15	1	150
28480	0160-3872	7	20	28480	3030-0422	4	100
28480	0360-1190	1	140	28480	3100-3211	2	130
28480	0590-0052	1	100	28480	3101-0553	3	100
28480	0811-0570	2	100	28480	3101-0554	3	110
28480	0811-0571	2	90	28480	3101-1594	1	130
28480	0811-0572	2	80	28480	5020-8122	6	20
28480	0811-0573	2	70	28480	5040-6939	4	50
28480	0811-0574	2	60	28480	5040-6940	4	20
28480	0811-0575	2	50	72982	8121M112X7R0103M	5	30
28480	0811-0576	2	40	72982	8121M112X7R0103M	7	40
28480	0811-0577	2	120	49671	8959154-166	3	20
28480	0811-0578	2	30	02660	91-T-3638	4	60
28480	0811-0579	2	110	28480	9100-0552	1	160

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