

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
FOR

NULL METER, JOHN FLUKE MODEL 845AR
(NSN 6625-00-257-7561)

Current as of 15 September 1976

Headquarters, Department of the Army, Washington, DC
22 October 1976

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) and mail the form direct to Commander, US Army Missile Command, ATTN: DRSMI-MFM, Redstone Arsenal, AL 35809. A reply will be furnished direct to you.

		<i>Page</i>
SECTION I.	INTRODUCTION	1-1
II.	REPAIR PARTS LIST	2-1
	FUNCTIONAL	
	GROUP	
	GROUP TITLE	
	MODEL NO.	
	PART NO.	
	6657 Null Meter 845AR	
III.	NATIONAL STOCK NUMBER AND PART NUMBER INDEX.....	3-1

Section I. INTRODUCTION

1. Scope

This manual lists repair parts that are required for maintenance of Null Meter, John Fluke model 845AR and is applicable to Army area calibration teams (AACT).

NOTE

Throughout this manual, D is used to indicate AACT.

2. General

This manual is divided as follows:

- a. *Section I. Introduction.*
- b. *Section II. Repair Parts List.* A list, in alphabetical sequence, of repair parts authorized for the performance of maintenance at the AACT support level.
- c. *Section III. National Stock Number and Part Number Index.* A list in ascending numerical sequence, of all National stock numbers (NSN's) appearing in the repair parts list, followed by a list of all part numbers in alpha-numeric sequence appearing in the list. The NSN's and part numbers are cross-referenced to a figure number and item number in column 1.

NOTE

The figure and item number columns represent cross-reference number, since illustrations are not included in this manual.

3. Explanation of Columns

Refer to section I of TM 9-4931-700-34P for explanation of columns (para 3), special information (para 4 except for subparagraph 4O which is not applicable to this manual), and abbreviations (para 6).

4. How to Locate Repair Parts

When NSN or part number is unknown, use the repair parts listing and locate the item by description.

When National stock number or part number known, use the list of NSN's or the reference number and locate the cross-referenced figure and item number. Locate the cross-referenced figure and item number under column 1 of the repair parts list for the complete description of the repair part.

Section II. REPAIR PARTS LIST

(1) ILLUSTRATION		(2) SMR CODE	(3) NATIONAL STOCK NUMBER	(4) PART NUMBER	(5) FSCM	(6) DESCRIPTION USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
(a) FIG NO.	(b) ITEM NO.							
						GROUP 6657 NULL METER 845AR 89536		
						MAINFRAME ASSEMBLY CONSISTING OF		
1	3	PAFZZ	6140-00-932-0481	4002-160390	89536	BATTERY STORAGE 1.2V, NI-CAD	EA	8
1	5	PAFZZ	5910-00-413-0339	1507-182683	89536	CAPACITOR, FIXED, PLASTIC DIELECTRIC MYLAR, 0.047 UF PORM 20 PCT, 1200 V	EA	1
1	7	PAFZZ	5910-00-832-8079	ET100X063A4	34553	CAPACITOR, FIXED, ELECTROLYTIC PN1502-170266 FSCM 89536 10 UF PLUS 50 MINUS 10 PCT, 25 V	EA	1
1	9	PAFZZ	Not assigned	2109-160275	89536	CONNECTOR 3 PRONG CHASSIS MOUNT, MALE	EA	1
1	11	PAFZZ	5920-00-229-1312	5101-163030	89536	FUSE CARTRIDGE 1-16 AMP, 250V FOR 115V OPERATION	EA	1
1	13	PAFZZ	5920-00-681-5722	5101-163022	89536	FUSE CARTRIDGE 1-32 AMP, 250V, (FOR 230V OPERATION)	EA	1
1	15	PAFZZ	5920-00-556-0144	342004	75915	FUSEHOLDER, EXTRACTOR POST PN 2102-160846 FSCM 89536	EA	1
1	17	PAFZZ	5340-00-218-5328	919-415-173	12136	HANDLE, FLEXIBLEBLK 2404-166280 FSCM 89536	EA	1
1	19	PAFZZ	5355-00-498-0828	2405-158949	89536	KNOB	EA	2
1	21	PAFZZ	5355-00-240-6899	2405-158956	89536	KNOB	EA	1
1	23	PAFZZ	5355-00-482-1721	2405-170035	89536	KNOB	EA	1
1	25	PAFZZ	6625-00-971-1698	6005-161638	89536	LINE CORD ASSEMBLY	EA	1
1	27	PAFZZ	5940-00-281-2779	938LG	24655	LINK, TERMINAL CONNECTOR 2811-190728 FSCM 89536	EA	1
1	29	PAFZZ	5940-00-845-1789	DF31BC	58474	POST, BINDING, ELECTRICAL 2811-142984 FSCM 89536 BLACK	EA	2
1	31	PAFZZ	5940-00-404-7810	DF31RC	58474	POST, BINDING, ELECTRICAL 2811-142976 FSCM 89536 RED	EA	1
1	33	PAFZZ	5905-00-175-8438	4701-192344	89536	RESISTOR, VARIABLE, NONWIRE WOUND 10K PORM 30 PCT, 1-3 W	EA	1
1	35	PAFZZ	5905-00-141-0595	RCR20G472JS	81349	RESISTOR FIXED COMPOSITION 4704-108381 FSCM 89536 4.7K PORM 10 PCT, 1-2 W	EA	1
1	37	PAFZZ	5930-00-548-3855	728599-03	56232	SNITCH ROTARY 5108-193573 FSCM 89536	EA	1
2	3	PDFFD	6625-01-024-9955	1702-194399	89536	AMPLIFIER PRINTED CIRCUIT ASSEMBLY CONSISTING OF	EA	1
2	5	PAFZZ	5910-00-105-5924	C280AEP100K	73445	CAPACITOR, FIXED, PLASTIC DIELECTRIC 1507-161992 FSCM 89536 0.1 UF PORM 20 PCT, 250 V	EA	3
2	7	PAFZZ	5910-00-832-8079	ET100X063A4	34553	CAPACITOR, FIXED, ELECTROLYTIC 1502-170266 FSCM 89536 10 UF PLUS 50 PCT MINUS 10 PCT, 25V	EA	2
2	9	PAFZZ	5910-00-965-9723	192P47252	56289	CAPACITOR, FIXED, PLASTIC DIELECTRIC 1507-106054 FSCM 89536	EA	1
2	11	PAFZZ	5910-00-974-6129	1508-160259	89536	CAPACITOR, FIXE , ELECTROLYTIC 10 UF PORM 10 PCT, 20 V	EA	1

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
2	13	PAFZZ	5910-00-931-0611	K22C15K	05397	CAPACITOR, FIXED, ELECTROLYTIC 1508-182816 FSCM 89536 22 UF PORM 10 PCT, 15 V	EA	1
2	15	PAFZZ	5910-00-928-5631	K15C20K	05397	CAPACITOR, FIXED, ELECTROLYTIC 1508 153056 FSCM 89536 15 UF PORM 10 PCT, 20 V	EA	1
2	17	PAFZZ	5910-00-914-2353	C437ARF400	73445	CAPACITOR, FIXED, ELECTROLYTIC 1502-168153 FSCM 89536 400 UF PLUS 50 MINUS 10 PCT, 25 V	EA	2
2	19	PAFZZ	5910-00-455-0136	1507-194803	89536	CAPACITOR ELECTRICAL 0.22 UF PORM 20 PCT, 230 V	EA	1
2	21	PAFZZ	5910-00-254-2374	1502-187765	89536	CAPACITOR, FIXED, ELECTROLYTIC 250UF PLUS 50 MINUS 10 PCT, 16 V	EA	2
2	23	PAFZZ	5910-00-986-7470	TE1163	80183	CAPACITOR, FIXED, ELECTROLYTIC 1502-150292 FSCM 89536 150 UF PLUS 75 MINUS 10 PCT.15 V	EA	1
2	25	PAFZZ	5325-00-123-9374	2807-171876	89536	GROMMET, BLIND HOLE 3-8 IN	EA	4
2	27	PAFZZ	6625-00-420-7975	3800-168047	89536	ROD, OPTICAL, LIGHT	EA	2
2	29	PAFZZ	5905-00-810-2952	4703-107391	89536	RESISTOR, FIXED, FILM 900K PORM 1-2 PCT, 1-2 W	EA	1
2	31	PAFZZ	5905-00-072-0595	4703-107748	89536	RESISTOR, FIXED, FILM 10M PORM 1-2 PCT, 1 W	EA	1
2	35	PAFZZ	5905-00-960-0126	CB4735	01121	RESISTOR, FIXED, COMPOSITION 4704-148163 FSC 89536 47K PORM 5 PCT, 1-4 W	EA	2
2	37	PAFZZ	5905-00-959-1202	CB1045	01121	RESISTOR, FIXED, COMPOSITION 4704-148189 FSCM 89536 100K PORM 5 PCT, 1-4 w	EA	4
2	39	PAFZZ	5905-00-120-9154	RCR07G471JS	81349	RESISTOR, FIXED, COMPOSITION 4704-147983 FSCM 89536 470 OHM PORM 5 PCT, 1-4W	EA	1
2	41	PAFZZ	5905-00-111-4732	RCR20G125JS	81349	RESISTOR, FIXED, COMPOSITION 4704-108407 FSCM 89536 1.2M PORM 1 PCT, 1-2 W	EA	1
2	43	PAFZZ	5905-00-104-8357	RCR07G684JS	81349	RESISTOR, FIXED, COMPOSITION 4704-188433 FSCH 9536	EA	1
2	45	PAFZZ	5905-00-159-7237	4701-193086	89536	RESISTOR, VARIABLE, NONWIRE WOUND 5M PORM 30 PCT, 0.2 W	EA	1
2	47	PAFZZ	5905-00-072-0647	EB1061	01121	RESISTOR, FIXED, COMPOSITION 470-108142 FSCM 89536 10M PORM 10 PCT, 1-2W	EA	1
2	49	PAFZZ	5905-00-402-4256	CB2255	01121	RESISTOR, FIXED, COMPOSITION 4704-198390FSCM 89536 2.2M PORM 10 PCT, 1-4 W	EA	1
2	51	PAFZZ	5905-00-960-0099	CB1005	01121	RESISTOR, FIXED, COMPOSITION 4704-147868 FSCM 89536 10 OHM, PORM 5 PCT, 1-4 W	EA	1
2	53	PAFZZ	5905-00-119-3505	RCR07G683JS	81349	RESISTOR, FIXED, COMPOSITION 4704-14171-FSCM-89536 68K PORM 5 PCT, 1-4 W	EA	2
2	55	PAFZZ	5905-00-435-6374	RCR07G823JS	81349	RESISTOR, FIXED, COMPOSITION 4704-188458 FSCM 89536 82K PORM 5 PCT, 1-4 W	EA	1
2	57	PAFZZ	5905-00-106-3668	RCR07G220JS	81349	RESISTORFIXED, COMPOSITION 4704-147884 FSCM 89536 22 OHM, PORM 5 PCT 1-4 W	EA	1
2	59	PAFZZ	5905-00-911-3758	CB6805	01121	RESISTOR, FIXED, COMPOSITION 4704-147918 FSCM 89523 68 OHM, PORM 5 PCT, 1-4 W	EA	1
2	61	PAFZZ	5905-00-135-3973	RCR07G221JS	81349	RESISTOR, FIXED, COMPOSITION 4704-147959 FSCM 89536 220 OHM PORM 5 PCT L-4 W	EA	1
2	63	PAFZZ	5905-00-909-3885	CB1035	01121	RESISTOR, FIXED, COMPOSITION 4704-148106 FSCM 89536 10K PORM 5 PCT 1-4 W	EA	2
2	65	PAFZZ	5905-00-911-3810	CB2235	01121	RESISTOR, FIXED, COMPOSITION 4704-148130 FSCM 89536 22K PORM 5 PCT 1-4 W	EA	5
2	67	PAFZZ	5905-00-102-5294	CB1015	01121	RESISTOR, FIXED, COMPOSITION 4704-147926 FSCM 89536 100 OHM PORN 5 PCT 1-4 W	EA	1
2	69	PAFZZ	5905-00-115-8055	RCR07G393JS	81349	RESISTOR, FIXED, COMPOSITION 4704-188466 FSCM 89536 39K PORM 5 PCT 1-4 W	EA	1
2	71	PAFZZ	5905-00-904-5689	CB1535	01121	RESISTOR, FIXED, COMPOSITION 4704-148114 FSCM 89536 15K PORM 5 PC T 1-4 W	EA	2

(1) ILLUSTRATION		(2)	(3)	(4)	(5)	(6)	(7)	(8)
(a) FIG NO.	(b) ITEM NO.	SMR CODE	NATIONAL STOCK NUMBER	PART NUMBER	FSCM	DESCRIPTION USABLE ON CODE	U/M	QTY INC IN UNIT
2	73	PAFZZ	5905-00-904-5696	CB1545	01121	RESISTOR, FIXED, COMPOSITION 4704-182212 FSCM 89536 150K PORM 5 PCT 1-4 W	EA	3
2	75	PAFZZ	5905-00-118-4560	RCR07G395JS	81349	RESISTOR, FIXED, COMPOSITION 4704-188417 FSCM 89536 3.9M PORM 5 PCT 1-4 W	EA	1
2	77	PAFZZ	5905-00-413-0307	4702-160705	89536	RESISTOR, VARIABLE 2K PORM 5 PCT 1 1-4 W	EA	1
2	79	PAFZZ	5905-00-913-9518	CB1025	01121	RESISTOR, FIXED, COMPOSITION 4704-148073 FSCM 89536 1K PORM 5 PCT 1-4 W	EA	3
2	81	PAFZZ	5905-00-104-8330	RCR20G333JS	81349	RESISTOR, FIXED, COMPOSITION 4704 108761 FSCM 89536 33K PORM 5 PCT 1-2 W	EA	1
2	83	PAFZZ	5961-00-456-9044	4802-180885	89536	SEMICONDUCTOR DEVICE	EA	2
2	85	PAFZZ	5961-00-986-3161	4803-113324	89536	SEMICONDUCTOR DEVICE 10 V	EA	1
2	87	PAFZZ	5961-00-456-9038	4D4	81483	SEMICONDUCTOR DEVICE 4802-180240 FSCM 89536	EA	4
2	89	PAFZZ	5961-00-233-7443	4805-182691	89536	SEMICONDUCTOR DEVICE	EA	1
2	91	PAFZZ	5961-00-413-0304	ST07154	12040	TRANSISTOR 4805-198812 FSCM 89536	EA	1
2	93	PAFZZ	5961-00-931-0152	2N3391	80131	TRANSISTOR 4805-168708 FSCM 89536	EA	3
2	95	PAFZZ	5961-00-930-5325	2N3565	80131	TRANSISTOR 4805 177105 FSCM 89536	EA	2
2	97	PAFZZ	5961-00-413-0306	GA2877	01295	TRANSISTOR 4805-182709 FSCM 89536	EA	2
2	99	PAFZZ	5961-00-890-4541	MPS3638	04713	TRANSISTOR 4805-169375 FSCM 89536	EA	2
2	101	PAFZZ	5961-00-554-0291	2N1304	01295	TRANSISTOR 4805-117127 FSCM 89536	EA	1
2	103	PAFZZ	5961-00-853-1079	2N1305	81349	TRANSISTOR 4805-190298 FSCM 89536	EA	1
3	3	PDFFD	6625-01-024-9954	1702-194407	89536	POWER SUPPLY PRINTED CIRCUIT ASSEMBLY CONSISTING OF	EA	1
3	5	PAFZZ	5910-00-914-2353	C437ARF400	73445	CAPACITOR, FIXED, ELECTROLYTIC 1502-168153 FSCM 89536	EA	1
3	7	PAFZZ	5910-00-594-2904	C280AE-P1M	73445	CAPACITOR, FIXED, METALLIZED, PAPER-PLASTIC DIELECTRIC 1507-190330 FSCM 89536 1UF PORM 20 PCT, 250 V	EA	1
3	9	PAFZZ	5905-00-911-3810	CB2235	01121	RESISTOR, FIXED, COMPOSITION 4704-148130 FSCM 89536 22K PORM 5 PCT 1-4 W	EA	2
3	11	PAFZZ	5905-00-413-0307	4702-160705	89536	RESISTOR, VARIABLE, WIRE WOUND 2K PORM 5 PCT 1 1/4 W	EA	1
3	13	PAFZZ	5905-00-156-0435	RCR42G390JS	81349	RESISTOR, FIXED, COMPOSITION 4704-144378 FSCM 89536	EA	1
3	15	PAFZZ	5905-00-110-0991	RCR32G151JS	81349	RESISTOR, FIXED, COMPOSITION 4704-178566 FSCM 89536 150 OHM PORM 5 PCT, 1 W	EA	1
3	17	PAFZZ	5905-00-989-5413	EB5125	01121	RESISTOR, FIXED, COMPOSITION 4704 109108 FSCM 89536 5.1K PORM 5 PCT, 1-2 W	EA	2
3	19	PAFZZ	5961-00-456-9038	4D4	81483	SEMICONDUCTOR DEVICE 4802-180240 FSCM-89536	EA	4
3	21	PAFZZ	5961-00-233-7443	4805-182691	89536	SEMICONDUCTOR DEVICE	EA	2
3	23	PAFZZ	5961-00-986-3161	4803-113324	89536	SEMICONDUCTOR DEVICE	EA	1
3	25	PAFZZ	5930-00-548-3855	728599-03	56232	SWITCH ROTARY 5107-194035 FSCM 89536	EA	1
3	27	PAFZZ	5961-00-480-5201	4805-182600	89536	TRANSISTOR	EA	2
3	29	PAFZZ	5950-00-405-7913	5600-192724	89536	TRANSFORMER, POWER, STEP-DOWN	EA	1

Section III. NATIONAL STOCK NUMBER AND PART NUMBER INDEX

National Stock Number Cross-Referenced to Figure and Item Numbers

STOCK NUMBER	FIG. NO.	ITEM NO.	STOCK NUMBER	FIG. NO.	ITEM NO.
5905-00-072-0595	2	31	5355-00-482-1721	1	23
5905-00-072-0647	2	47	5355-00-498-0828	1	19
5905-00-102-5294	2	67	5930-00-548-3855	1	37
5905-00-104-8330	2	81	5930-00-548-3855	3	25
5905-00-104-8357	2	43	5961-00-554-0291	2	101
5910-00-105-5924	2	5	5920-00-556-0144	1	15
5905-00-106-3668	2	57	5910-00-594-2904	3	7
5905-00-110-0991	3	15	5920-00-681-5722	1	13
5905-00-111-4732	2	41	5905-00-810-2952	2	29
5905-00-115-8055	2	69	5910-00-832-8079	1	7
5905-00-118-4560	2	75	5910-00-832-8079	2	7
5905-00-119-3505	2	53	5940-00-845-1789	1	29
5905-00-120-9154	2	39	5961-00-853-1079	2	103
5325-00-123-9374	2	25	5961-00-890-4541	2	99
5905-00-135-3973	2	61	5905-00-904-5689	2	71
5905-00-141-0595	1	35	5905-00-904-5696	2	73
5905-00-156-0435	3	13	5905-00-909-3885	1	63
5905-00-159-7237	2	45	5905-00-911-3758	2	59
5905-00-175-8438	1	33	5905-00-911-3810	2	65
5340-00-218-5328	1	17	5905-00-911-3810	3	9
5920-00-229-1312	1	11	5905-00-913-9518	2	79
5961-00-233-7443	2	89	5910-00-914-2353	2	17
5961-00-233-7443	3	21	5910-00-914-2353	3	5
5355-00-240-6899	1	21	5910-00-928-5631	2	15
5910-00-254-2374	2	21	5961-00-930-5325	2	95
5940-00-281-2779	1	27	5961-00-931-0152	2	93
5905-00-402-4256	2	49	5910-00-931-0611	2	13
5940-00-404-7810	1	31	6140-00-932-0481	1	3
5950-00-405-7913	3	29	5905-00-959-1202	2	37
5961-00-413-0304	2	91	5905-00-960-0099	2	51
5961-00-413-0306	2	97	5905-00-960-0126	2	35
5905-00-413-0307	2	77	5910-00-965-9723	2	9
5905-00-413-0307	3	11	6625-00-971-1698	1	25
5910-00-413-0339	1	5	5910-00-974-6129	2	11
6625-00-420-7975	2	27	5961-00-986-3161	2	85
5905-00-435-6374	2	55	5961-00-986-3161	3	23
5910-00-455-0136	2	19	5910-00-986-7470	2	23
5961-00-456-9038	2	87	5905-00-989-5413	3	17
5961-00-456-9038	3	19	6625-01-024-9954	3	3
5961-00-456-9044	2	83	6625-01-024-9955	2	3
5961-00-480-5201	3	27			

Part Number Cross-Referenced to Figure and Item Numbers

PART NUMBER	FSCM	FIG. NO.	ITEM NO.	PART NUMBER	FSCM	FIG. NO.	ITEM NO.
CB1005	01121	2	51	RCR20G125JS	81349	2	41
CB1015	01121	2	67	RCR20G333JS	81349	2	81
CB1025	01121	2	79	RCR20G472JS	81349	1	35
CB1035	01121	2	63	RCR32G151JS	81349	3	15
CB1045	01121	2	37	RCR42G390JS	81349	3	13
CB1535	01121	2	71	ST07154	12040	2	91
CB1545	01121	2	73	TE1163	80183	2	23
CB2235	01121	2	65	1502-187765	89536	2	21
CB2235	01121	3	9	1507-182683	89536	1	5
CB2255	01121	2	49	1507-194803	89536	2	19
CB4735	01121	2	35	1508-160259	89536	2	11
CB6805	01121	2	59	1702-194399	89536	2	3
C280AE-P1M	73445	3	7	1702-194407	89536	3	3
C280AEP100K	73445	2	5	192P47252	56289	2	9
C437ARF400	73445	2	17	2N1304	01295	2	101
C437ARF400	73445	3	5	2N1305	81349	2	103
DF31BC	58474	1	29	2N3391	80131	2	93
DF31RC	58474	1	31	2N3565	80131	2	95
EB1061	01121	2	47	2109-160275	89536	1	9
EB5125	01121	3	17	2405-158949	89536	1	19
ET100X063A4	34553	1	7	2405-158956	89536	1	21
ET100X063A4	34553	2	7	2405-170035	69536	1	23
GA2877	01295	2	97	2807-171876	89536	2	25
K15C20K	05397	2	15	342004	75915	1	15
K22C15K	05397	2	13	3800-168047	89536	2	27
MPS3638	04713	2	99	4D4	81483	2	87
RCR07G220JS	81349	2	57	4D4	81483	3	19
RCR07G221JS	81349	2	61	4002-160390	89536	1	3
RCR07G393JS	81349	2	69	4701-192344	89536	1	33
RCR07G395JS	81349	2	75	4701-193086	89536	2	45
RCR07G471JS	81349	2	39	4702-160705	89536	2	77
RCR07G683JS	81349	2	53	4702-160705	89536	3	11
RCR07G684JS	81349	2	43	4703-107391	89536	2	29
RCR07G823JS	81349	2	55	4703-107748	89536	2	31
4802-180885	89536	2	83	5101-163030	89536	1	11
4803-113324	89536	2	85	5600-192724	89536	3	29
4803-113324	89536	3	23	6005-161638	89536	1	25
4805-182600	89536	3	27	728599-03	56232	1	37
4805-182691	89536	2	89	728599-03	56232	3	25
4805-182691	89536	3	21	919-415-173	12136	1	17
5101-163022	89536	1	13	938LG	24655	1	27

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