

TM 11-6625-3052-24P

TECHNICAL MANUAL

**ORGANIZATIONAL, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST**

**MULTIMETER, DIGITAL AN/PSM-45
(6625-01 -139-2512)**

HEADQUARTERS, DEPARTMENT OF THE ARMY

3 FEBRUARY 1984



5

SAFETY STEPS TO FOLLOW IF SOMEONE IS THE VICTIM OF ELECTRICAL SHOCK

1

DO NOT TRY TO PULL OR GRAB THE INDIVIDUAL

2

IF POSSIBLE, TURN OFF THE ELECTRICAL POWER

3

IF YOU CANNOT TURN OFF THE ELECTRICAL POWER, PULL, PUSH, OR LIFT THE PERSON TO SAFETY USING A WOODEN POLE OR A ROPE OR SOME OTHER INSULATING MATERIAL

4

SEND FOR HELP AS SOON AS POSSIBLE

5

AFTER THE INJURED PERSON IS FREE OF CONTACT WITH THE SOURCE OF ELECTRICAL SHOCK, MOVE THE PERSON A SHORT DISTANCE AWAY AND IMMEDIATELY START ARTIFICIAL RESUSCITATION

**ORGANIZATIONAL, DIRECT SUPPORT AND
GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LIST
FOR
MULTIMETER, DIGITAL, AN/PSM-45
(6625-01-139-2512)**

Current as of 1 November 1983

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN : DRSEL-ME-MP, Fort Monmouth, NJ 07703.

In either case, a reply will be furnished direct to you.

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ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST

Section I. INTRODUCTION

1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TMDE), and other special support equipment required for performance of organizational, direct support, and general support maintenance of the AN/PSM-45. 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 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 lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

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) appearing in the listings, followed by a list in alphameric sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-referenced to each illustration 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 illustration on which the item is shown.

(2) Item number. The number used to identify item called out in the illustration.

b. Source, Maintenance and Recoverability (SMI) 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:

<u>Code</u>	<u>Definition</u>
PA	- Item procured and stocked for anticipated or known usage.
XA	- Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
PC	- Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.

NOTE

Cannibalization or salvage may be used as a source of supply for any items coded above except those coded X4 and aircraft support items as restricted by AR 750-1.

(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, The maintenance code entered in the third position will indicate one of the following levels of maintenance:

<u>Code</u>	<u>Application/Explanation</u>
0	- Support item is removed, replaced, used at the organizational level.
H	- Support item is removed, replaced, used at the general 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 one of the following maintenance codes:

<u>Code</u>	<u>Application/Explanation</u>
H	- 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. Recoverability codes are assigned to support items to indicate the disposition action on unservicable items. The recoverability code is entered in the fifth position of the Uniform SMR Code format as follows:

Recoverability
codes

Definition

Z - Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.

H - Repairable item. When uneconomically repairable, condemn and dispose at the general support level.

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

d. Federal Supply Code for Manufacturer (FSCM). The FSCM is a 5-digit numeric code listed in SB 708-41/42 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 repair part 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 unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

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

4. Special Information

a. The following publications pertain to AN/PSM-45 and its components:

TB 9-6625-2110-35	Calibration Procedure for Digital Multimeter AN/PSM-45
TM 11-6625-3052-14	Operator's, Organizational, Direct Support and General Support Maintenance for Multimeter, Digital AN/PSM-45

b. National stock numbers (NSN's) that are missing from P source coded items have been applied for and will be added to this manual by future change/revision when they are entered in the Army Master Data File (AMDF). Until the NSN's are established and published, submit exception requisitions to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-MM, Fort Monmouth, New Jersey 07703 for the part required to support your equipment.

5. How to Locate Repair Parts

a. When National stock number or part number is unknown.

(1) First. Using the table of contents, determine the functional group within which the item belongs. This is necessary since the illustrations are prepared for functional groups, and listings are divided into the same groups.

(2) Second. Find the illustration covering the functional group to which the item belongs.

(3) Third. Identify the item on the illustration and note the illustration figure and item number of the item.

(4) Fourth. Using the Repair Parts Listing, find the figure and item number noted on the illustration.

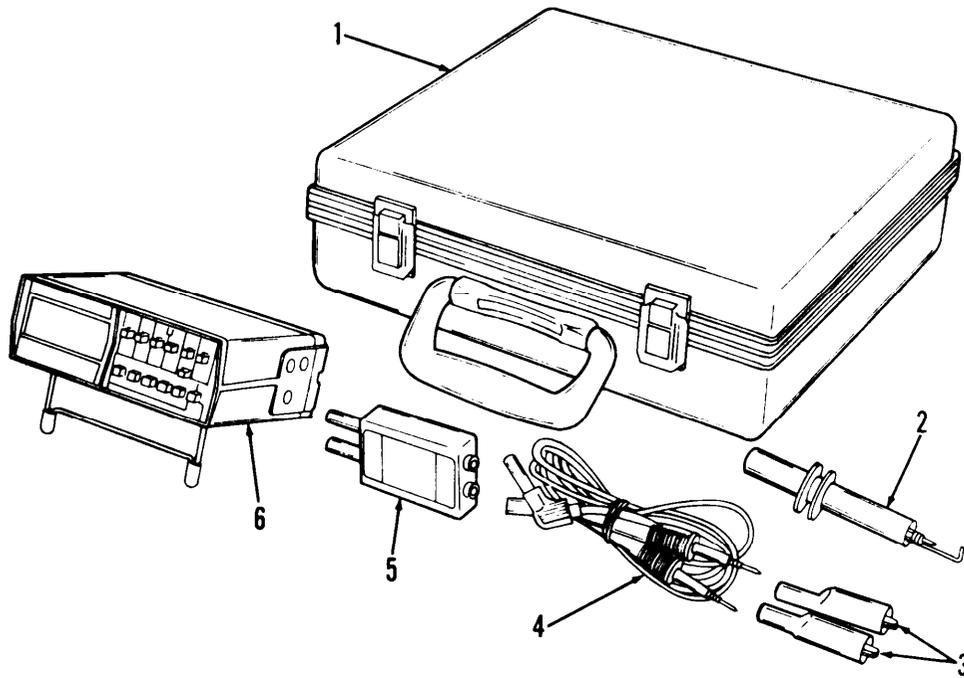
b. When National stock number or part number is known.

(1) First. Using the Index of National Stock Numbers and Part Numbers, find the pertinent National stock number or part number. This index is in NIIN sequence followed by a list of part numbers in alphameric sequence, cross-referenced to the illustration figure number and item number.

(2) Second. After finding the figure and item number, locate the figure and item number in the repair parts list.

6. Abbreviations

Not applicable.



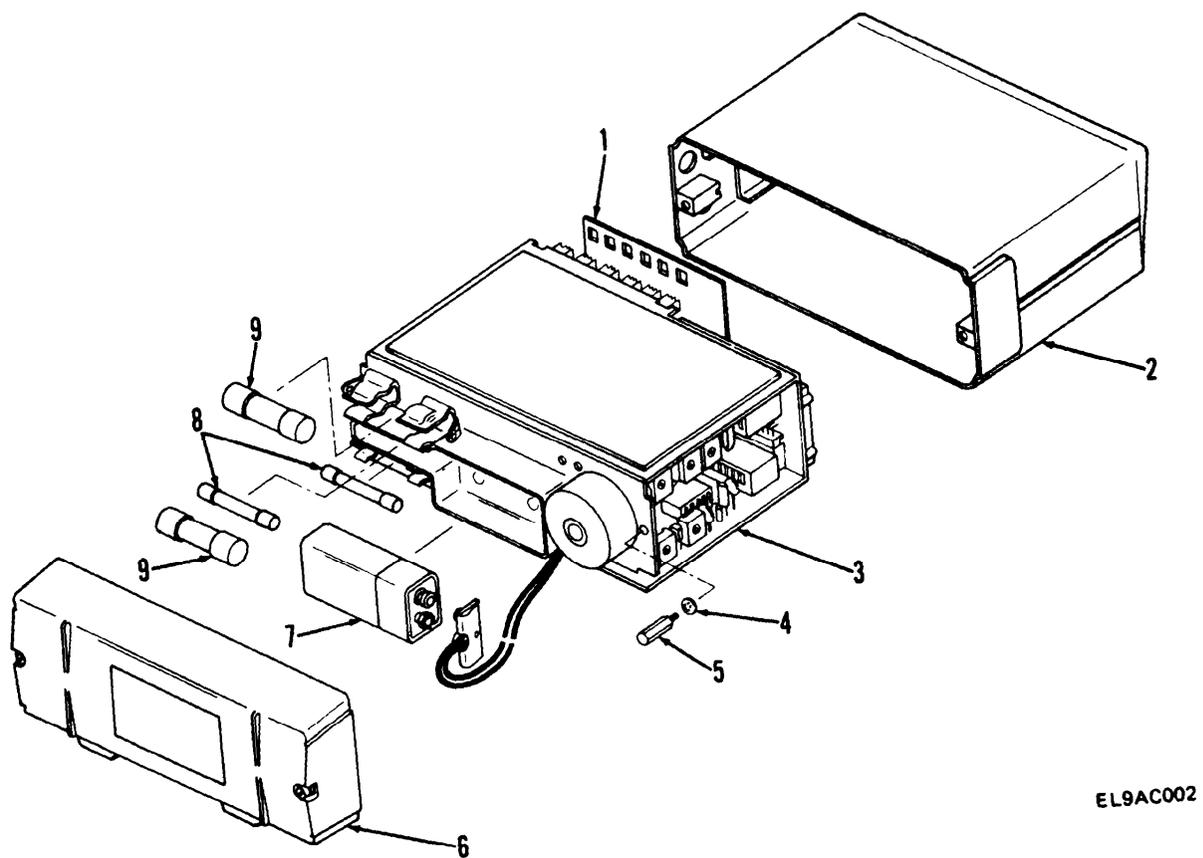
EL9AC001

Figure 1. Multimeter, digital AN/PSM-45.

SECTION II

TM11-6625-3052-24P

(1) ILLUSTRATION (a) FIG NO	(2) (b) ITEM NO	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) PART FSCM NUMBER	(6) DESCRIPTION	(7) USABLE ON CODE	(8) QTY INC IN U/M UNIT
GROUP 00 MULTIMETER, DIGITAL AN/PSM-45							
1	1	PAOZZ	55026	10-864945	CARRYING CASE ASSY	EA	1
1	2	PADHH	55026	10-830844	PROBE SUBASSEMBLY	EA	1
1	3	PADZZ	55026	10-864240	SET, ALLIGATOR CLIP	EA	1
1	4	PADZZ	55026	6-112092	SET, TEST LEAD ASSY	EA	1
1	5	PADZZ	55026	10-864941	SHUNT ADAPTER 10 A	EA	1
1	6	PADHH	55026	10-864999	MULTIMETER, DIGITAL	EA	1



EL9AC002

Figure 2. Multimeter, digital

SECTION II

TM11-6625-3052-24P

(1) ILLUSTRATION (a) FIG NO	(2) (b) ITEM NO	(3) SMR CODE	(4) NATIONAL STOCK NUMBER	(5) FSCM	(6) PART NUMBER	(6) DESCRIPTION	USABLE ON CODE	(7) U/M	(8) QTY INC IN UNIT
GROUP 01 MULTIMETER, DIGITAL									
2	1	PAHZZ		16749	745NT	GASKET, SWITCH		EA	1
2	2	XAHZZ		55026	10-864655	FRONT CASE ASSY		EA	1
2	3	XAHZZ		55026	10-864656	MULTIMETER ASSEMBLY		EA	1
2	4	PAHZZ		55026	1-401861	WASHER, LOCK		EA	2
2	5	PAHZZ		55026	6-112408	SPACER, HEXAGON		EA	2
2	6	XAOZZ		55026	10-560309	REAR COVER ASSY		EA	1
2	7	PCOZZ	6135-00-900-213	90303	NN1604	BATTERY (1) NONRECH		EA	1
2	8	PADZZ	5920-00-280-496	75915	312002	FUSE, CARTRIDGE		EA	2
2	9	PADZZ		71400	8BS3AMP600V	FUSE, CARTRIDGE		EA	2

NATIONAL STOCK NUMBER AND PART NUMBER INDEX

STOCK NUMBER		FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5920-00-280-4960		2	8	6135-00-900-2139	2	7

FSCM	PART NUMBER	FIGURE NO.	ITEM NO.	FSCM	PART NUMBER	FIGURE NO.	ITEM NO.
71400	8BS3AMP600V	2	9	55026	10-864941	1	5
90303	MN1604	2	7	55026	10-864945	1	1
55026	1-401861	2	4	55026	10-864999	1	6
55026	10-560309	2	6	75915	312002	2	8
55026	10-830844	1	2	55026	6-112092	1	4
55026	10-864240	1	3	55026	6-112408	2	5
55026	10-864655	2	2	16749	745NT	2	1
55026	10-864656	2	3				

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN... JOT DOWN THE DOPE ABOUT IT ON THIS FORM. CAREFULLY TEAR IT OUT. FOLD IT AND DROP IT IN THE MAIL!

SOMETHING WRONG WITH THIS PUBLICATION?

FROM (PRINT YOUR UNIT'S COMPLETE ADDRESS)

Commander
Stateside Army Depot
ATTN: AMSTA-US
Stateside, N.J. 07703

DATE SENT

10 July 1975

PUBLICATION NUMBER

TM 11-5840-340-20P

PUBLICATION DATE

23 Jan 78

PUBLICATION TITLE

Radar Set AN/PRC-76

BE EXACT. PIN-POINT WHERE IT IS

PAGE NO	PARA-GRAPH	FIGURE NO	TABLE NO
33			
44		19	
45			

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

For item 2, change the NSN to read: 5835-00-134-9186.
Reason: Accuracy.

Identify the cover on the junction box (item no. 5).
Reason: It is a separate item and is not called out on figure 19.

Add the cover of the junction box as an item in the listing for figure 19.
Reason: Same as above

SAMPLE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SSG I. M. DeSpirit of 999-1776

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TM 11-6625-3052-24P

PUBLICATION DATE

3 Feb 1984

PUBLICATION TITLE

Multimeter, Digital AN/PSM-45

BE EXACT PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

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PUBLICATION NUMBER

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PUBLICATION DATE

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PUBLICATION TITLE

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BE EXACT PIN-POINT WHERE IT IS

PAGE NO.	PARA-GRAPH	FIGURE NO.	TABLE NO.

IN THIS SPACE TELL WHAT IS WRONG AND WHAT SHOULD BE DONE ABOUT IT:

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and Fort Monmouth
ATTN: DRSEL-ME-MP
Fort Monmouth, New Jersey 07703

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