

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR'S, ORGANIZATIONAL, DIRECT SUPPORT, AND
 GENERAL SUPPORT
 MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
 (INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
 ADAPTER SET, TEST AN/USM-119
 (NSN 6625-00-773-6102)

Headquarters, Department of the Army, Washington, D.C.
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REPORTING OF ERRORS

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*This manual supersedes TM 11-6625-476-24P, 20 March 1975.

SECTION I INTRODUCTION

1. Scope

This manual lists repair parts and special tools required for performance of organizational, direct support, and general support maintenance of the AN/USM-19.

2. General

This Repair Parts and Special Tools List is divided into the following sections:

- a. Section II. *Basic Issue Items List* Not applicable.
- b. Section III. *Items Troop Installed or Authorized List.* Not applicable.
- c. Section IV. *Repair Parts List* A list of repair parts authorized for use in the performance of maintenance. Parts lists are composed of functional groups in ascending numerical sequence, with the parts in each group listed in figure and item number sequence.
- d. Section V. *Special Tools List* Not applicable.
- e. Section VI. *National Stock Number and Part Number Index.* Not applicable.

3. Explanation of Columns

The following provides an explanation of columns found in the tabular listings:

- a. Illustration This column is divided as follows:
 - (1) *Figure number.* Indicates the figure number of the illustration in which the item is shown.
 - (2) *Item number.* The number used to identify each item called out in the illustration.
- b. *Source, Maintenance, and Recoverable Codes (SMR).*

(1) *Source code.* Source codes are assigned to support items to 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.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA, XD, and aircraft support items as restricted by AR 70042.

(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 indicates the following level of maintenance:

Code	Application / Explanation
0	-Support item is removed, replaced, used at the organizational 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 contains the following maintenance code:
Code	Application/ Explanation
Z	-Nonreparable. No repair is authorized.
(3)	<i>Recoverability code.</i> 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:
Z	-Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3.
c.	<i>National Stock Number.</i> Indicates the National stock number assigned to the item and will be used for requisitioning purposes.
d.	<i>Part Number.</i> 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.

e. *Federal Supply Code for Manufacturer (SCM).* The FSCM is a 5-digit numeric code listed in SB 742 which is used to identify the manufacturer, distributor, or Government agency, etc.

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 (eg., 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 in the illustration figure, which is prepared for a functional group, subfunctional group, or an assembly.

4. Special Information

Not applicable.

5. How to Locate Repair Parts

When National stock number or part number is unknown.

a. First. Using the table of contents, determine the functional group within which the repair part belongs. This is necessary since illustrations are prepared for functional groups and listings are divided into the

same groups.

b. Second. Find the illustration covering the functional group to which the repair part belongs.

c. Third. Identify the repair part on the illustration and note the illustration figure and item number of the repair part.

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

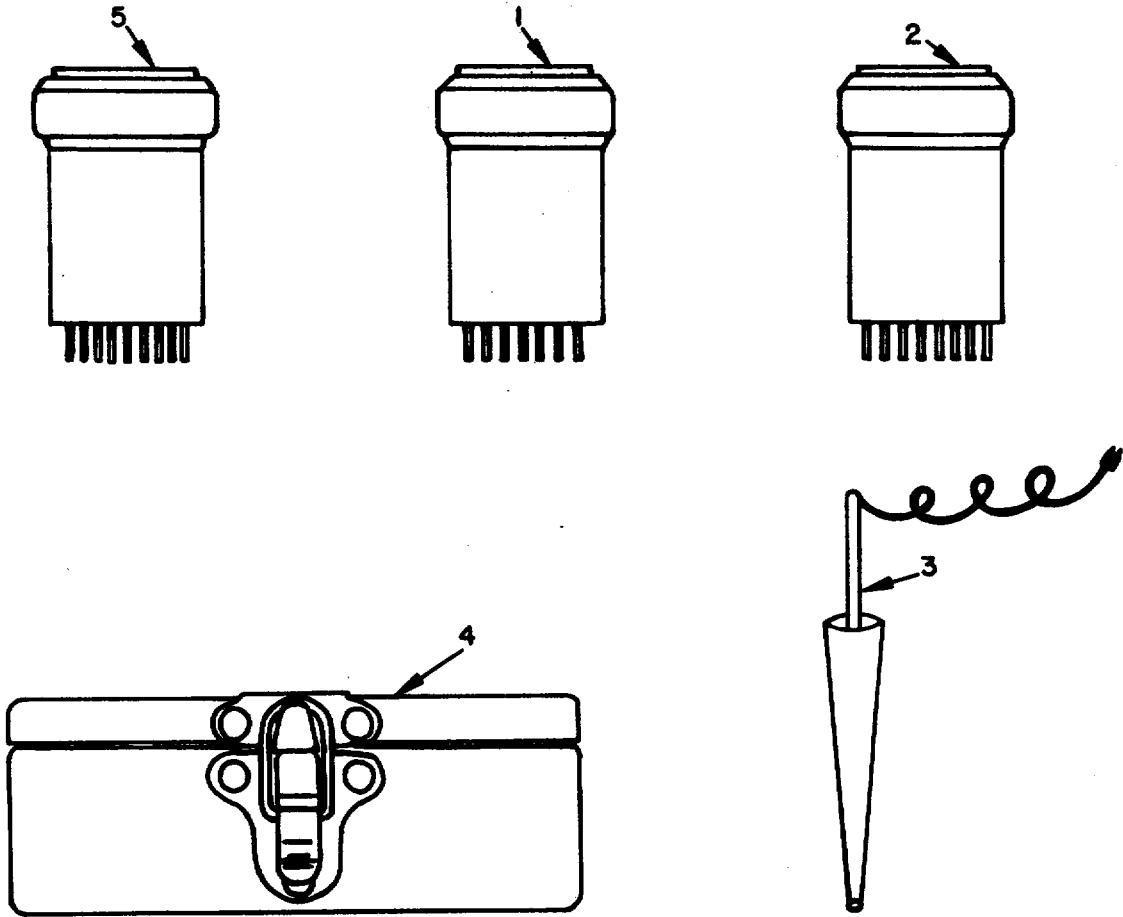
6. Abbreviations

Not applicable.

7. Items Comprising an Operable Equipment

The AN/USM-119 comprises the operable equipment.

(Next printed page is 4)



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Figure 1. Adapter Set, Test AN/UM-119

(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
						GROUP 00 ADAPTER SET, TEST AN/USN-119		
1	1	PAOZZ	6625-00-539-8677	T7MS	82893	TUBE SOCKET TEST ADAPTER	EA	1
1	2	PAOZZ	6625-00-504-0938	T8OS	82893	TUBE SOCKET TEST ADAPTER.....	EA	1
1	3	PAOZZ	6625-00-141-3974	P1	82893	PROBE	EA	1
1	4	PAOZZ	6625-00-050-8943	CY4245USM119	80058	CASE	EA	1
1	5	PAOZZ	6625-00-504-0937	T9NS	82893	TUBE SOCKET TEST ADAPTER.....	EA	1

**Section II. MAINTENANCE ALLOCATION CHART
FOR
ADAPTER, TEST AN/USM-119**

(1) Group number	(2) Component/assembly	(3) Maintenance. function	(4) Maint. category					(5) Tool/ equipment
			C	O	F	H	D	
00	ADAPTER SET, TEST AN/USM-119	Inspect 1 Repair 2		4.0 4.0				1

(1) Visual.

(2) By replacement of any item included in the set (all throwaways).

**Table 1. TOOL AND TEST EQUIPMENT REQUIREMENTS
FOR
ADAPTER SET, TEST AN/USM-119**

(1) TOOL OR TEST EQUIPMENT REF CODE	(2) MAINTENANCE LEVEL	(3) NOMENCLATURE	(4) NATIONAL/NATO STOCK NUMBER	(5) TOOL NUMBER
1	0	TOOL AND TEST EQUIPMENT TO THE REPAIRMAN FOR HIS ASSIGNED MISSION		

9/(10 BLANK)

**APPENDIX
MAINTENANCE ALLOCATION**

Section I. INTRODUCTION

A-1. General.

This appendix provides a summary of the maintenance operations for the ANNUSM-119. It authorities categories of maintenance for specific maintenance functions on repairable items and components and the tools and equipment required to perform each function. This appendix may be used as an aid in planning maintenance operations.

A-2. Maintenance Function.

Maintenance function will be limited to and defined as follows:

a. *Inspect.* To determine the serviceability of an item by comparing its physical, mechanical, and/or electrical characteristics with established standards through examination.

b. *Test.* To verify serviceability and to detect incipient failure by measuring the mechanical or electrical characteristics of an item and comparing those characteristics with prescribed standards.

c. *Service.* Operations required periodically to keep an item in proper operating condition, i.e., to clean, preserve, drain, paint, or to replenish fuel/lubricants/hydraulic fluids or compressed air supplies.

d. *Adjust.* Maintain within prescribed limits by bringing into proper or exact position, or by setting the operating characteristics to the specified parameters.

e. *Align.* To adjust specified variable elements of an item to about optimum or desired performance.

f. *Calibrate.* To determine and cause corrections to be made or to be adjusted on instruments or test measuring and diagnostic equipment used in precision measurement. Consists of the comparison of two instruments, one of which is a certified standard of known accuracy, to detect and adjust any discrepancy in the accuracy of the instrument being compared.

g. *Install.* The act of emplacing, seating, or fixing into position an item, part, module (component or assembly) in a manner to allow the proper functioning of the equipment/system.

h. *Replace.* The act of substituting a serviceable like-type part, subassembly, model (component or assembly) for an unserviceable counterpart.

i. *Repair.* The application of maintenance services (inspect, test, service, align, calibrate, replace) or other maintenance actions (welding, grinding, riveting, straightening, facing, remachining, or resurfacing) to restore serviceability to an item by correcting specific damage, fault, malfunction, or failure in a part, subassembly, module/component/assembly end item or

system. This function does not include the trial and error replacement of running spare type items such as fuses, lamps, or electron tubes.

j. *Overhaul.* That periodic maintenance effort (service/action) necessary to restore an item to a completely serviceable/operational condition as prescribed by maintenance standards (eg, DMR) in appropriate technical publications. Overhaul is normally the highest degree of maintenance performed by the Army. Overhaul does not normally return an item to like-new condition.

i. *Rebuild.* Consists of those services/actions necessary for the restoration of unserviceable equipment to a like-new condition in accordance with original manufacturing standards. Rebuild is the highest degree of material maintenance applied to Army equipment. The rebuild operation includes the act of returning to zero those age measurements (hours, miles, etc.) considered in classing Army equipment/components.

A-3. Column Entries.

a. *Column 1, Group Number.* Column 1 lists group numbers, the purpose of which is to identify components, assemblies, subassemblies and modules with the next higher assembly.

b. *Column 2, Component/Assembly.* Column 2 contains the noun names of components, assemblies, subassemblies, and modules for which maintenance is authorized

c. *Column 3, Maintenance Functions.* Column 3 lists the functions to be performed on the item listed in Column 2. When items are listed without maintenance functions, it is solely for purpose of having the group numbers in the MAC and RPSTL coincide.

d. *Column 4, Maintenance Category.* Column 4 specifies, by the listing of a "worktime" figure in the appropriate subcolumn(s), the lowest level of maintenance authorized to perform the function listed in column 3. This figure represents the active time required to perform that maintenance function at the indicated category of maintenance. If the number or complexity of the tasks within the listed maintenance function vary at different maintenance categories, appropriate "worktime" figures will be shown for each category. The number of man-hours specified by the "worktime" figure represents the average time required to restore an item (assembly, subassembly, component, module, end item or system) to a serviceable condition under typical field operating conditions. This time includes preparation time, troubleshooting time and quality assurance/quality control time in addition to the time required to perform

the specific tasks identified for the maintenance functions authorized in the maintenance allocation chart.

Subcolumns of column 4 are as follows

C-Operator/Crew

O-Organizational

F-Direct Support

H-General Support

D-Depot

e. Column 5, Tools and Equipment. Column 5 specifies by code, those common tool sets (not individual tools) and special tools, test, and support equipment required to perform the designated function.

A-4. Tool and Test Equipment Requirements (Table 1).

a. Tool or Test Equipment Reference Code. The

numbers in this column coincide with the numbers used in the tools and equipment column of the MAC. The numbers indicate the applicable tool or test equipment for the maintenance functions.

b. Maintenance Category. The codes in this column indicate the maintenance category allocated the tool or test equipment.

c. Nomenclature. This column lists the noun name and nomenclature of the tools and test equipment required to perform the maintenance functions.

d. National/NATO stock Number. This column lists the National/NATO stock number of the specific tool or test equipment.

e. Tool Number. This column lists the manufacturer's part number of the tool followed by the Federal Supply Code for manufacturers (5-digit) in parentheses.

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MAAG (1)	44-235
USARMIS (1)	44-236
Instls (2) except	44-237
Ft Gordon (10)	44-535
Ft Huachuca (10)	44-536
Ft Carson (5)	44-537
Ft Richardson (ECOM Ofc)(2)	

NG: None

USAR: None

For explanation of abbreviations used, see AR 310-50

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