

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS
INDICATOR, STANDING WAVE RATIO AN/USM-37A
FSN 6325-197-8910**

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**This manual supersedes TM 11-6625-369-12P, 21 November 1968, including all changes.*

SECTION I
INTRODUCTION

1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the AN/USM-37A. The POCN for the AN/USM-37A is GFEAEI for all models.

1-2. General

This repair parts and special tools list is divided into the following sections:

a. *Prescribed Load Allowance (PLA) - Section II.* Not applicable.

b. *Repair Parts List - Section III.* A list of repair parts authorized for the performance of maintenance at the organizational level. This repair parts list is arranged in alphabetical order.

c. *Special Tools, Test and Support Equipment - Section IV.* Not applicable.

d. *Index - Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number - Section V.* A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphanumeric sequence, of all reference numbers appearing in the listings. Federal stock number and reference numbers are cross-referenced to each illustration figure and item number or reference designation appearance.

1-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists —

a. *Source, Maintenance, and Recoverability Codes (SMR).*

(1) *Source code.* Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are —

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

PB — Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.

PC — Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.

PD — Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.

Code	Explanation
PE —	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF —	Support equipment which will not be stocked but which will be centrally procured on demand.
PG —	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD —	An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF —	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or direct support or general support levels of maintenance.
KB —	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO —	Item to be manufactured or fabricated at organizational level.
MF —	Item to be manufactured or fabricated at direct support maintenance level.
MH —	Item to be manufactured or fabricated at general support maintenance level.
MD —	Item to be manufactured or fabricated at depot maintenance level.
AO —	Item to be assembled at organizational level.
AF —	Item to be assembled at direct support maintenance level.
AH —	Item to be assembled at general support maintenance level.
AD —	Item to be assembled at depot maintenance level.
XA —	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB —	Item is not procured or stocked. If not available through salvage, requisition.
XC —	Installation drawing, diagram instruction sheet, field service drawing, that is identified by manufacturers' part number.

XD — Support items can be requisitioned with justification.

NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(3) 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) Use (third position). The maintenance code entered in the third position indicates the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position indicates one of the following levels of maintenance.

<i>Code</i>	<i>Application/Explanation</i>
O —	Support item is removed, replaced, used at the organizational level of maintenance.

NOTE

A code "C" may be used in this position to denote crew or operator maintenance performed within organizational maintenance.

F —	Support item is removed, replaced, used at the direct support maintenance level.
H —	Support item is removed, replaced, used at the general support maintenance.
D —	Support items that are removed, replaced, used at depot only.

(b) Repair (fourth position). 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). When a maintenance code is not used a dash (-) sign is entered. For multi-service equipment/systems or when a code is entered, this position will contain one of the following maintenance codes as assigned by the service(s) that require the code —

<i>Code</i>	<i>Application/Explanation</i>
O —	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F —	The lowest maintenance level capable of complete repair of the support item is direct support.
H —	The lowest maintenance level capable of

complete repair of the support item is general support.

D — The lowest maintenance level capable of complete repair of the support item is the depot level.

L — Repair restricted to designated Specialized Repair Activity.

Z — Non-repairable. No repair is authorized.

B — No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(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 —

<i>Code</i>	<i>Explanation</i>
Z -	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in the first digit of the maintenance code.
O -	Repairable item. When uneconomically repairable, condemn and dispose at organizational level.
F -	Repairable item. When uneconomically repairable, condemn and dispose at the direct support level.
H -	Repairable item. When uneconomically repairable condemn and dispose at the general support level.
D -	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L -	Repairable item. Repair, condemnation, and disposal not authorized below depot/Specialized Repair Activity level.
A -	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material.

b. Federal Stock Number. Indicates the Federal stock number assigned to the item.

NOTE

For requisitioning purposes, the Federal stock number must be converted to the National stock number by adding "-00" after the Federal stock classification (FSC) code (first four digits). For example, FSN

c. *Description.* indicates the Federal item name and a minimum description required to identify the item. The last line **indicates** the reference number followed by the applicable Federal Supply code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.

d. *Unit of Measure (U/M).* Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This measure is expressed by a two-character alphabetical abbreviation; e.g., ea, in, pr, etc., and is the basis used to indicate quantities and allowances in subsequent columns. 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.

e. *Quantity Incorporated in Unit.* This column indicates the quantity of the item used in the equipment. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF".

f. 15-Day Organizational Maintenance Allowance.

(1) The repair parts indicated by an asterisk in the allowance column represent those authorized for use at the organizational category, and will be requisitioned on an "as required" basis, until **stockage is** based on demand in accordance with AR 710-2.

(2) Major Army commanders are authorized to approve reduction in the range of support items authorized for use in units within their commands. Recommendations for increase in range of items authorized for use will be forwarded to Commander, US Army Electronics Command, ATTN: AMSEL-MA-TMDE, Fort **Mon**mouth, NJ., 07703. Any changes approved **will** be reflected in a revision to the RPSTL.

(3) Allowance quantities are indicated in the **special** tools list section for special tools, TMDE, and other equipment.

Q. I&U&&&w. This column is divided as follows:

(1) *Figure number.* Not applicable.

(2) *Item number.* **Indicates** the item number or reference designation **used to** reference the item.

1-4. Special Information

a. Usable on codes are included in column 3.

Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are -

<i>Code</i>	<i>Used on</i>
A92	AN/USM-37A

1-5. Location of Repair Parts

a. This manual **contains** one cross-reference index (sec V) to be used to locate a repair part when either the Federal stock number or reference number (manufacturer's part number) is known. The first column in the index is prepared in numerical or alphanumeric sequence in ascending order. The reference numbers (manufacturer's part numbers) are listed immediately following the last listed Federal stock number in the index of Federal stock numbers.

b. When the Federal stock number or reference number is known, follow the procedures given in (1) and (2) below.

(1) Refer to the index of Federal stock numbers (sec V) and locate the Federal stock number or reference number. The FSN and reference number are cross-referenced to the applicable figure and item **number or reference designation.**

(2) Refer to the repair **parts list (sec III) and** locate the figure number (col **7a**) and item number or reference designation (col 7b) as noted in the FSN index.

c. When the figure and item number or reference designation are known, scrutinize columns 7a and 7b of the repair parts list (sec III) until the item is located.

d. When the FSN, reference number, figure number, item number and reference designation are not known, scrutinize column 3 of the **repair parts list** (sec III), which is arranged in alphabetical order.

1-6. Abbreviations

Not applicable.

1-7. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on **DA Form 2028 (Recommended Changes to Publications and Blank Forms)** and forwarded direct to **Commander, US Army Electronics Command, ATTN: AMSEL-MA-TMDE, Fort Monmouth, N.J., 07703.**

(Next printed page is 6)

SECTION III

TM 11-6625-369-20P

(1) SRR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE USABLE ON CODE		(4) UNIT OF MEAS	(5) QTY. INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALLOW				(7) ILLUSTRATION	
						(a)	(b)	(c)	(d)	(e)	(f)
						1-5	6-20	21-50	51-100	FIGURE NO.	IT- NO.
XDOZZ		BUMPER, RUBBER 39-90PS (28480)	01 F/CABINET FOOT	EA	4	*	*	*	*		01
XDOZZ		BUMPER, RUBBER 39-90PS (28480)	02 F/CABINET FOOT	EA	REF	*	*	*	*		02
XDOZZ		BUMPER, RUBBER 39-90PS (28480)	03 F/CABINET FOOT	EA	REF	*	*	*	*		03
XDOZZ		BUMPER, RUBBER 39-90PS (28480)	04 F/CABINET FOOT	EA	REF	*	*	*	*		04
XDOZZ		CAP, ELECTRICAL 3420035A2 (75915)	NO-REF-DESIG F/FUSEHOLDER XFI	EA	1	*	*	*	*		
PAOZZ	5935-636-7145	CONNECTOR, PLUG, M1	ELECTRICAL P1 F/POWER CABLE	EA	1	*	*	*	*		P1
XDOZZ		UP121M (81349) ELECTRON TUBE 082 (81350)	V7.....	EA	1	*	*	*	*		V7
PAOZZ	5960-262-0151	ELECTRON TUBE 6AUX5GT (81350)	V5.....	EA	1	*	*	*	*		V5
PAOZZ	5960-188-0943	ELECTRON TUBE 6AX5GT (80131)	V4.....	EA	1	*	*	*	*		V4
XDOZZ		ELECTRON TUBE 6CB6 (81350)	V6.....	EA	1	*	*	*	*		V6
PAOZZ	5960-880-0457	ELECTRON TUBE 6DJ8 (81349)	V3.....	EA	1	*	*	*	*		V3
PAOZZ	5960-166-7664	ELECTRON TUBE 12AX7 (81350)	V1.....	EA	2	*	*	*	*		V1
PAOZZ	5960-166-7664	ELECTRON TUBE 12AX7 (81350)	V2.....	EA	REF	*	*	*	*		V2
PAOZZ	5915-701-4023	FILTER, 5P Z1 415B42APS (28480)	1000 CYC, TUBE SOCKET MTG	EA	1	*	*	*	*		Z1
PACZZ	5920-204-9220	FUSE, CARTRIDGE F0261R008 (81349)	F1 1 AMP, 250V	EA	1	*	*	*	*		F1
PAOZZ	5355-907-3460	HANDLE, SWITCH SHAPE	015 F/SWITCH 34, TRIANGULAR...	EA	1	*	*	*	*		015
PACZZ	5355-584-4163	674AAAPS (28480) KNOB 011 F/GAIN ADJUSTMENT		EA	1	*	*	*	*		011
PACZZ	5355-801-1287	64MS368-2 (28480) KNOB 012 F/GAIN TUNING		EA	1	*	*	*	*		012
PACZZ	5355-547-7996	674LPS (28480) KNOB 013 F/BOLO XTAL AND RANGE TUNING, BAR...		EA	2	*	*	*	*		013
PACZZ	5355-547-7996	674NPS (28480) KNOB 014 F/BOLO XTAL AND RANGE TUNING, BAR...		EA	REF	*	*	*	*		014
PACZZ	6240-155-8706	674NPS (28480) LAMP, INCANDESCENT LM-52 INDICATOR, 6-8V, 0.15 AMP	I1 F/POWER ON.....	EA	1	*	*	*	*		I1
XDOZZ		MS15571-2 (96906) LENS, INDICATOR LIGHT X11, RED CONVEX FROSTED	F/LIGHT INDICATOR..	EA	1	*	*	*	*		
PAOZZ	5960-860-7710	81-121 (72619) SHIELD, ELECTRON TUBE M24251-6-5 (81349)	E1 F/ELECTRON TUBE VI	EA	1	*	*	*	*		E1

FORM 100 APR 57 TEST

SECTION V

TM 11-6625-369-20P

**INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER
CROSS-REFERENCE TO FIGURE AND ITEM NUMBER**

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
			5935-634-7145		P1
			5960-166-7664		V1
5355-547-7996		13	5960-166-7664		V2
5355-547-7996		14	5960-180-0943		V4
5355-504-6163		11	5960-262-0151		V5
5355-801-1287		12	5960-460-7710		E1
5355-907-3460		15	5960-880-0457		V3
5915-701-4023		21			
5920-204-9220		F1	6240-155-8706		11

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
F02G1R008	01349		F1	39-90PS	20400		01
G74AAAPS	20400		015	39-90PS	20400		02
G74LPS	20400		012	39-90PS	20400		03
G74NPS	20400		013	39-90PS	20400		04
G74NPS	20400		014	415B42APS	20400		Z1
MS15571-2	96906		11	54MS368-2	20400		011
M24251-6-5	01349		E1	6AU5GT	01350		V5
UP12IM	01349		F1	6AX5GT	00131		V4
OB2	01350		V7	6CB6	01350		V6
12AX7	01350		V1	6DJ8	01349		V3
12AX7	01350		V2	81-121	72619		
342003SA2	75915						

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USAIS (2)	11-117
USAES (2)	11-500 (AA-AC)
USAINTCS (3)	32-56
	32-57

NG: None.

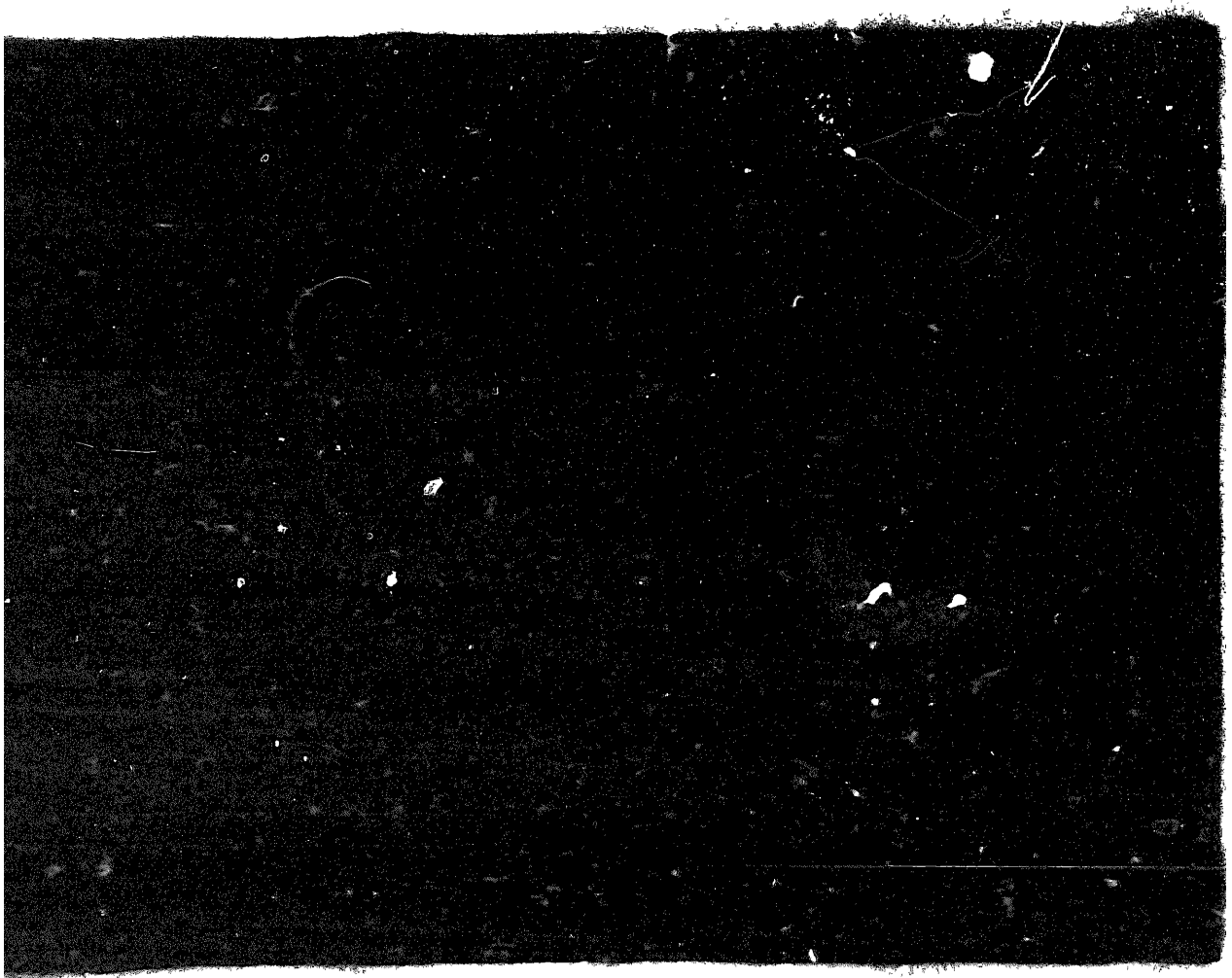
USAR: None. For explanation of abbreviations used see sec 310-50

END

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