

**DEPARTMENT OF THE ARMY TECHNICAL MANUAL**

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
AND SPECIAL TOOLS LISTS  
FREQUENCY METER AN/URM-81  
FSN 6625-669-0081**

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\*This manual supersedes TM 11-6625-312-12P, 29 July 1959, including all changes.

## INTRODUCTION

## 1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the AN/URM-81. The PCCN for the AN/URM-81 is GTEABL 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 II.* 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 alphabetic 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—

<i>Code</i>	<i>Explanation</i>
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.

<i>Code</i>	<i>Explanation</i>
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.

**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-CRA, Fort Monmouth, 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.

**g. Illustration.** This column is divided as follows:

(1) Figure **number**. Indicates the figure number of the illustration on which the item is shown in TM 11-5096.

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

**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 -

Code

AMA

Used ON

AN/URM-81

b. The following publication pertain to the AN/

**URM-81 and its components:**

**TM 11-5096 Frequency Meter AN/URM-81.**

**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 forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-CRA, Fort Monmouth, NJ., 07703.

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**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.

(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) *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 fourth position indicates one of the following levels of maintenance.

Code	Application/Explanation
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—

Code	Application/Explanation
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.

Code	Application/Explanation
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—

Code	Explanation
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 and will be used for requisitioning purposes.

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.

SECTION III

TM11-6625-312-20P

(1) SAC CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY. REQ CHRT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALU				(7) ILLUSTRATION	
					(a)	(b)	(c)	(d)	(a)	(b)
					1-5	6-20	21-30	31-100	FIGURE NO.	ITEM NO.
PAOZZ	5935-283-3392	GROUP 0001 MAIN FRAME GROUP CONNECTOR PLUG ELECTRICAL UP-120M P701.....	EA	1	*	*	*	*	33	P701
PACZZ	5920-280-9328	FUSE, CARTRIDGE F701.....	EA	2	*	*	*	*	33	F701
PACZZ	5920-289-9320	FUSE, CARTRIDGE F702.....	EA	FFF	*	*	*	*	33	F702
PACZZ	5355-667-5898	KNOB 1 KNOB (E902).....	EA	2	*	*	*	*	35	1
PACZZ	5353-667-5898	KNOB 3 KNOB (E903).....	EA	FFF	*	*	*	*	37	3
PACZZ	5355-667-5904	KNOB E904.....	EA	2	*	*	*	*		E904
PACZZ	5355-667-5904	KNOB E905.....	EA	DEF	*	*	*	*		E905
PACZZ	5355-667-5901	KNOB E906.....	EA	2	*	*	*	*		E906
PACZZ	5355-667-5901	KNOB E908.....	EA	DEF	*	*	*	*		E908
PACZZ	5355-667-5929	KNOB E907.....	EA	1	*	*	*	*		E907
PACZZ	6240-012-5588	LAMP, INCANDESCENT 1701.....	EA	2	*	*	*	*	12	1701
PACZZ	6240-012-5588	LAMP, INCANDESCENT 1702.....	EA	FFF	*	*	*	*		1702
PAOZZ	5960-503-4880	GROUP 0002 POWER SUPPLY GROUP ELECTRON TUBE V103.....	EA	1	*	*	*	*	38	V103
PAOZZ	5960-166-7648	ELECTRON TUBE V104.....	EA	1	*	*	*	*	38	V104
PAOZZ	5960-188-0896	ELECTRON TUBE V105 (AUTHORIZED ALLOWANCES... BASED ON A TOTAL OF 3 PER EQUIPMENT) 6846 (81350)	EA	3	*	*	*	*	38	V105
PAOZZ	5960-188-0896	ELECTRON TUBE V107 (AUTHORIZED ALLOWANCES... BASED ON A TOTAL OF 3 PER EQUIPMENT) 6846 (81350)	EA	FFF	*	*	*	*	38	V107
PAOZZ	5960-272-9182	ELECTRON TUBE V101.....	EA	2	*	*	*	*	38	V101
PAOZZ	5960-272-9182	ELECTRON TUBE V102.....	EA	FFF	*	*	*	*	38	V102
PAOZZ	5960-264-2089	ELECTRON TUBE V106.....	EA	1	*	*	*	*	38	V106
PAOZZ	5960-262-0210	ELECTRON TUBE V108.....	EA	1	*	*	*	*	38	V108
PAOZZ	5960-272-9094	SHIELD, ELECTRON TUBE EV106 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U02 (81350)	EA	1	*	*	*	*		
PAOZZ	5960-295-7652	SHIELD, ELECTRON TUBE EV101 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U03 (81350)	EA	7	*	*	*	*		
PAOZZ	5960-295-7652	SHIELD, ELECTRON TUBE EV102 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U03 (81350)	EA	FFF	*	*	*	*		
PAOZZ	5960-095-7652	SHIELD, ELECTRON TUBE EV103 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U03 (81350)	EA	FFF	*	*	*	*		
PAOZZ	5960-295-7652	SHIELD, ELECTRON TUBE EV104 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U03 (81350)	EA	FFF	*	*	*	*		
PAOZZ	5960-295-7652	SHIELD, ELECTRON TUBE EV105 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U03 (81350)	EA	FFF	*	*	*	*		
PAOZZ	5960-295-7652	SHIELD, ELECTRON TUBE EV106 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U03 (81350)	EA	FFF	*	*	*	*		
PAOZZ	5960-295-7652	SHIELD, ELECTRON TUBE EV107 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 9 PER EQUIPMENT) TS102U03 (81350)	EA	FFF	*	*	*	*		
PAOZZ	5960-264-3004	SHIELD, ELECTRON TUBE EV108 (AUTHORIZED... ALLOWANCES BASED ON A TOTAL OF 5 PER EQUIPMENT) TS103U02 (81350)	EA	1	*	*	*	*		
PACZZ	5960-262-0167	GROUP 0003 PRE-AUDIO AMPLIFIER GROUP ELECTRON TUBE V201 (AUTHORIZED ALLOWANCES... BASED ON A TOTAL OF 4 PER EQUIPMENT) 12A77NA (81350)	EA	1	*	*	*	*	24	V201
PACZZ	5960-264-3004	SHIELD, ELECTRON TUBE EV201 (FOR AUTHORIZED... ALLOWANCES SEE GROUP POWER SUPPLY) TS103U02 (81350)	EA	1	*	*	*	*		
		GROUP 0004 CHECK UNIT GROUP								

AMC FORM 171

ORGANIZATIONAL REPAIR PARTS/TOOLS LIST

(1) SAR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & MFR CODE UNABLE ON CODE	(4) UNIT OF MEAS	(5) QTY. INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALU				(7) ILLUSTRATION	
					(a)	(b)	(c)	(d)	(e)	(f)
					1-5	6-20	21-50	51-100	FIGURE NO.	ITEM NO.
PAQZZ		ELECTRON TUBE V301 (AUTHORIZED ALLOWANCES.... BASED ON A TOTAL OF 4 PER EQUIPMENT) 6A46 (81350)	EA	1	*	*	*	*	32	V301
PAQZZ		ELECTRON TUBE V302 (FOR AUTHORIZED ALLOWANCES SEE GROUP POWER SUPPLY) 6A46 (81350)	EA	1	*	*	*	*	32	V302
PACZZ	5960-166-7667	ELECTRON TUBE V303 (FOR AUTHORIZED ALLOWANCES SEE GROUP PRE-AUDIC AMPLIFIER) 12A77WA (81350)	EA	1	*	*	*	*	32	V303
PAQZZ	5960-188-0896	SHIELD, ELECTRON TUBE EV301 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	1	*	*	*	*		
PAQZZ	5960-262-0167	SHIELD, ELECTRON TUBE EV320 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U03 (81350)	EA	1	*	*	*	*		
PAQZZ	5960-272-9094	SHIELD, ELECTRON TUBE EV303 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS103U02 (81350)	EA	1	*	*	*	*		
PAQZZ	5960-295-7652	GROUP 0005 BALANCED MODULATOR-CRYSTAL OSCILLATOR GROUP								
PAQZZ	5960-264-3004	ELECTRON TUBE V607 (FOR AUTHORIZED ALLOWANCES SEE GROUP CHECK UNIT) 6A46 (81350)	EA	1	*	*	*	*	32	V607
PAQZZ		ELECTRON TUBE V603 (FOR AUTHORIZED ALLOWANCES SEE GROUP PRE-AUDIO AMPLIFIER) 12A77WA (81350)	EA	1	*	*	*	*	32	V603
PACZZ	5960-166-7667	ELECTRON TUBE V405.....	EA	2	*	*	*	*	32	V405
PAQZZ	5960-262-0167	5725-6A56W (81350) ELECTRON TUBE V606.....	EA	REF	*	*	*	*	32	V606
PACZZ	5960-237-6917	5725-6A56W (81350) LAMP, INCANDESCENT 1601.....	EA	1	*	*	*	*	32	1601
PAQZZ	5960-237-6917	49 (08108) SHIELD, ELECTRON TUBE EV605.....	EA	2	*	*	*	*		
PAQZZ	6240-155-8683	TS102U01 (81350) SHIELD, ELECTRON TUBE EV606.....	EA	REF	*	*	*	*		
PAQZZ	5960-262-0015	TS102U01 (81350) SHIELD, ELECTRON TUBE EV601 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	4	*	*	*	*		
PAQZZ	5960-262-0015	SHIELD, ELECTRON TUBE EV602 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	REF	*	*	*	*		
PAQZZ	5960-272-9094	SHIELD, ELECTRON TUBE EV604 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	REF	*	*	*	*		
PAQZZ	5960-272-9094	SHIELD, ELECTRON TUBE EV607 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	REF	*	*	*	*		
PAQZZ	5960-272-9094	SHIELD, ELECTRON TUBE EV603 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS103U02 (81350)	EA	1	*	*	*	*		
PAQZZ	5960-272-9094	GROUP 0006 BANDPASS AMPLIFIER GROUP								
PAQZZ	5960-264-3004	ELECTRON TUBE V803 (FOR AUTHORIZED ALLOWANCES SEE GROUP CHECK UNIT) 6A46 (81350)	EA	1	*	*	*	*	32	V803
PAQZZ		ELECTRON TUBE V801 (FOR AUTHORIZED ALLOWANCES SEE GROUP BALANCED MODULATOR-CRYSTAL OSCILLATOR) 6A46WA (81350)	EA	2	*	*	*	*	32	V801
PAQZZ	5960-166-7667	ELECTRON TUBE V802 (FOR AUTHORIZED ALLOWANCES SEE GROUP BALANCED MODULATOR-CRYSTAL OSCILLATOR) 6A46WA (81350)	EA	REF	*	*	*	*	32	V802
PAQZZ	5960-262-0152	ELECTRON TUBE V804.....	EA	2	*	*	*	*	32	V804
PAQZZ	5960-262-0152	6005-6A05W (81350) ELECTRON TUBE V805.....	EA	REF	*	*	*	*	32	V805
PAQZZ	5960-669-6861	6005-6A05W (81350) SHIELD, ELECTRON TUBE EV801 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	3	*	*	*	*		
PAQZZ	5960-669-6861	SHIELD, ELECTRON TUBE EV802 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	REF	*	*	*	*		
PAQZZ	5960-272-9094	SHIELD, ELECTRON TUBE EV803 (FOR AUTHORIZED.. ALLOWANCES SEE GROUP POWER SUPPLY) TS102U02 (81350)	EA	REF	*	*	*	*		
PAQZZ	5960-272-9094	CABLE ASSEMBLY, RADIO FREQUENCY CG-409/U NO-... REF-DESIG	EA	1	*	*	*	*		
PAQZZ	5960-272-9094	CG409U (80058) CASE, TEST SET CY-1501/U NO-REF-DESIG METER.. CASE CY-1501/U	EA	1	*	*	*	*		
PAQZZ	5995-503-0470	CY1501U (80058)								

SECTION III

TM 11-6625-312-20P

(1) SAS CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION REFERENCE NUMBER & NPS CODE	(4) UNIT OF MEAS	(5) QTY. INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALU				(7) ILLUSTRATION		
					(a)	(b)	(c)	(d)	(a)	(b)	
					1-5	6-20	21-50	51-100	FIGURE NO.	ITEM NO.	
PAGDD	6625-649-4280	FREQUENCY METER FR-6/U NO-REF-DESIG METER FR-6/U FR6U (90050)	FREQUENCY	EA	1	*	*	*	*		
PAGZZ	5120-195-5398	WRENCH, SOCKET, HEAD SCREW NO-REF-DESIG..... & (ZZZZZ)		EA	1	*	*	*	*		
PAGZZ	5120-198-5400	WRENCH, SOCKET, HEAD SCREW NO-REF-DESIG..... 2 (54878)		EA	1	*	*	*	*		

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.
5120-198-5399			5960-262-0152	32	V601
5120-198-5400			5960-262-0152	32	V602
5355-667-5998	35	1	5960-262-0167	24	V603
5355-667-5898	37	3	5960-262-0167	32	V603
5395-667-5901		E906	5960-262-0167	32	V603
5355-667-5901		E908	5960-262-0210	30	V106
5355-667-5904		E904	5960-264-2089	30	V106
5355-667-5904		E905	5960-264-3084		
5355-667-5929		E907	5960-272-9094		
5920-200-9328	33	F701	5960-272-9182	30	V101
5920-280-9328	33	F702	5960-272-9182	30	V102
5935-283-3392	33	F701	5960-295-7652		
5960-166-7648	30	V104	5960-503-4880	30	V103
5960-166-7667	32	J301	5960-660-6861	32	V604
5960-166-7667	32	V607	5960-669-68610	32	V605
5960-166-7667	32	V803	5995-503-0470		
5960-188-0896	32	V302	6240-012-5588		1702
5960-188-0896	30	V105	6240-012-5588	12	1701
5960-188-0896	30	V107	6240-155-8683	32	1601
5960-237-6917	32	V605	6625-521-1422		
5960-237-6917	32	V606	6625-649-4280		
5960-262-0015					

REFERENCE NO.	NFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	NFR CODE	FIG. NO.	ITEM NO.
CG409U	80058			2	56878		
CY1501U	80058			49	08108	32	1601
FR6U	80058			55	59433		1702
F0201R50B	81349	33	F701	55	59433	12	1701
F0201R50B	81349	33	F702	5725-6A56W	81350	32	V605
K65300010	35225	35	1	5725-6A56W	81350	32	V606
K65300010	35225	37	3	5749-6BA6W	81350	30	V106
K65300020	35225		E904	5814A	81350	30	V108
K65300020	35225		E905	6	2222Z		
K65300030	35225		E906	6AM6	81350	32	V301
K65300030	35225		E908	6AM6	81350	32	V607
K65300040	35225		E907	6AM6	81350	32	V803
TS102U01	81350			6AU6MA	81350	32	V801
TS102U02	81350			6AU6MA	81350	32	V802
TS102U03	81350			6BN6	81350	32	V302
TS103U02	81350			6BN6	81350	30	V105
UP120W	28528	33	P701	6BN6	81350	30	V107
0A2	81350	30	V103	6X4W	81350	30	V101
0B2	81350	30	V104	6X4W	81350	30	V102
12AT7MA	81350	2	V201	6005-6AQ5W	81350	32	V804
12AT7MA	81350	3	V303	6005-6AQ5W	81350	32	V605
12AT7MA	81350	3	V603				



By Order of the Secretary of the Army:

**CREIGHTON W. ABBAMS**  
*General, United States Army*  
*Chief of Staff*

Official:

**VERNE L. BOWERS**

*Major General, United States Army*  
*The Adjutant General*

**Distribution:**

*Active Army:*

USASA (2)  
CNGS (1)  
ACSC-E (2)  
USAREND (2)  
USAMB (10)  
AMC (1)  
CONARC (5)  
ARADCOM (2)  
ARADCOM Reg (2)  
OS Maj Consl (4)  
LOGCOMDS (5)  
MICOM (2)  
TECOM (2)  
USASTRATCOM (4)  
HISA (ECOM) (18)  
MDW (1)  
Armies (2)  
Corps (2)  
Sve Colleges (2)  
USASESS (5)  
USAADS (2)  
USAFAS (2)  
USAARMS (2)  
USAIS (2)  
USAES (2)  
USAINTS (3)  
USACDCEC (5)

Insl (2) except  
Fort Gordon (10)  
Fort Huachuca (10)  
Fort Carson (10)  
WSMR (2)  
Army Dep (2) except  
LEAD (14)  
SAAD (30)  
TOAD (14)  
LEAD (7)  
ATAD (10)  
USA Dep (2)  
Sig Sec USA Dep (2)  
Sig Dep (5)  
Sig FLDMS (1)  
USAERDAA (1)  
USAERDAW (1)  
MAAG (1)  
USARMIS (1)  
Ft Richardson (ECOM Ofc) (2)  
WRAMC (1)  
Units org under fol TOE:  
(1 copy each)  
11-158  
28-134  
28-136

NG: State AG (3)

USAR: None

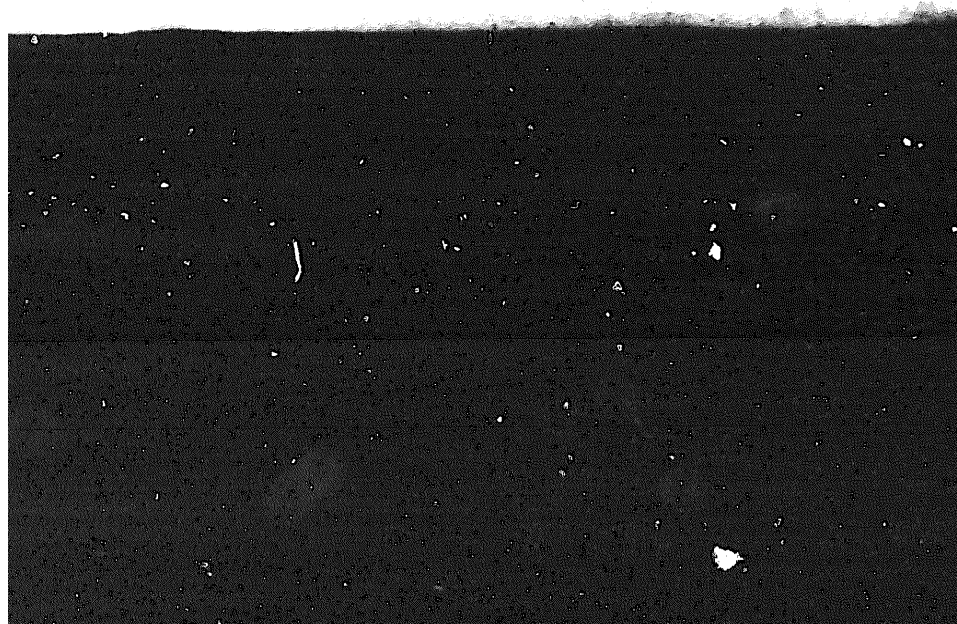
For explanation of abbreviations used, see AR 310-50.

**END**

7-25-83

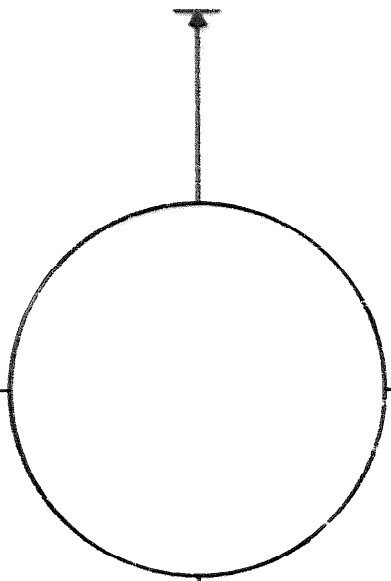
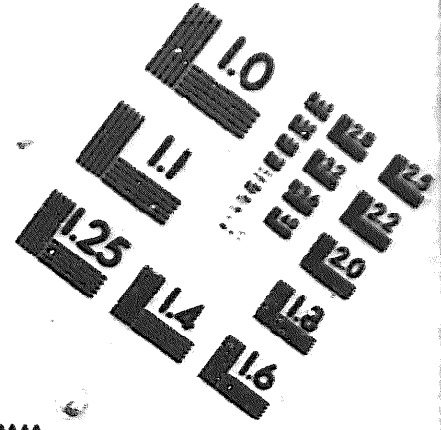
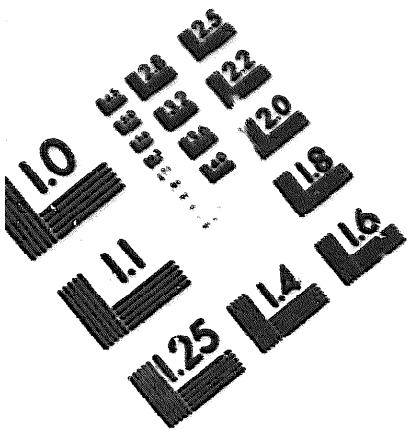
**DATE**





DEPARTMENT OF THE ARMY

MICROFORM  
TEST TARGET



1.0 mm (e= 0.1 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ 1234567890  
abcdefghijklmnopqrstuvwxyz %& / # 1/2 1/4 3/4 —→ + x & @ \*

1.5 mm (e= 1.09 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ 1234567890  
abcdefghijklmnopqrstuvwxyz %& / # 1/2 1/4 3/4 —→ + x & @ \*

2.0 mm (e= 1.37 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 %& / # 1/2 1/4 3/4 —→ + x & @ \*

2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQR TU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 %& / # 1/2 1/4 3/4 —→ + x & @ \*

1.0 mm (e= 0.1 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ 1234567890  
abcdefghijklmnopqrstuvwxyz %& / # 1/2 1/4 3/4 —→ + x & @ \*

1.5 mm (e= 1.09 mm)

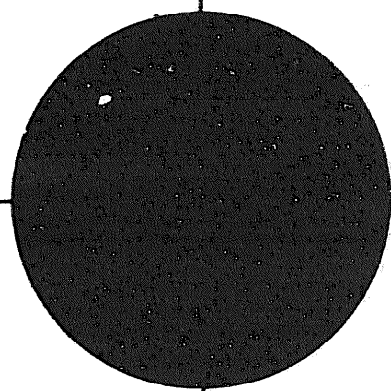
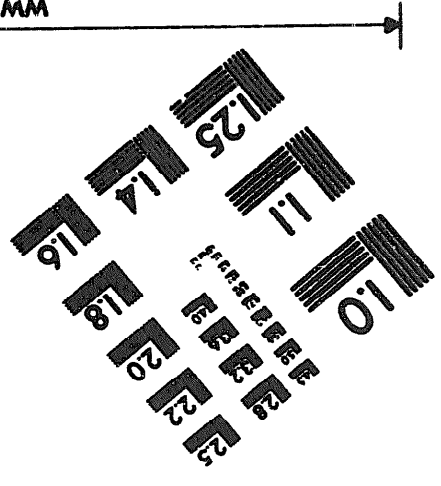
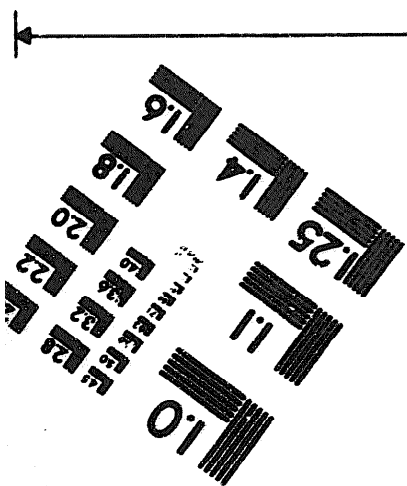
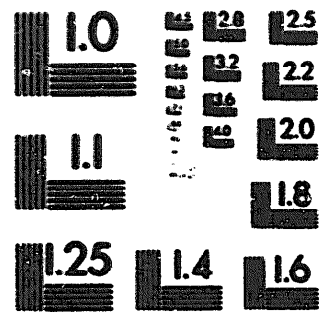
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abcdefghijklmnopqrstuvwxyz %& / # 1/2 1/4 3/4 —→ + x & @ \*

2.0 mm (e= 1.37 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 %& / # 1/2 1/4 3/4 —→ + x & @ \*

2.5 mm (e= 1.77 mm)

ABCDEFGHIJKLMN OPQRSTU VWXYZ  
abcdefghijklmnopqrstuvwxyz  
1234567890 %& / # 1/2 1/4 3/4 —→ + x & @ \*



200 MM

250 MM