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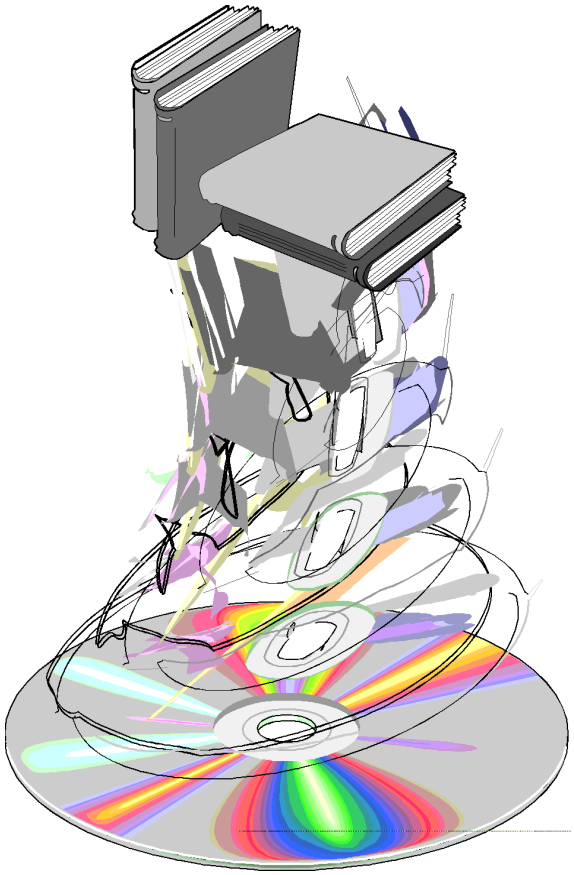


DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR, ORGANIZATIONAL, FIELD AND DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS AND MAINTENANCE ALLOCATION CHART ATTENUATOR, VARIABLE CN-802/U

Headquarters, Department of the Army, Washington 25, D.C.

11 June 1963

SECTION I

INTRODUCTION

1. Scope

a. This manual includes an operator, and field (fourth echelon) and depot special tools list.

(1) The operator's maintenance repair parts and special tools list, lists items supplied for initial operation.

(2) The field (fourth echelon) and depot maintenance repair parts and special tools list, lists the quantities of repair parts authorized for fourth echelon field maintenance and is a basis for requisitioning authorized parts. It is also a guide for fifth echelon in establishing initial levels of spare parts.

(3) The maintenance allocation chart assigns maintenance functions and repair operations to be performed by the lowest appropriate maintenance echelon.

b. **Columns are as follows:**

(1) ***Source, maintenance, and recoverability code.*** **Source, maintenance, and recoverability codes indicate the technical service responsible for supply, the echelons where an item is stocked, echelons where an item is installed or repaired,**

and whether an item is repairable or salvageable. The source code column is divided into four parts.

(a) Column A. This column indicates the technical service responsible for supply. AR 310-2 defines the basic numbers used to identify the technical services. If the part is supplied by the Signal corps, the column is blank.

(b) column B. This column indicates the point with in the maintenance **system** where the part is available. "P1" indicates that the repair part is a low mortality part; procured by technical services, stocked only in and supplied from technical service key depot, and authorized for installation at indicated maintenance echelons.

(c) Column C. This column indicates the lowest maintnenance echelon authorized to install the part.

"H" - Field maintenance (4th echelon).

(d) Column d. Not used.

(2) Federal stock number. This column lists the 11-digit Federal stock number.

(3) Designation by model. Not used.

(4) Description. Nomenclature or the standard item name and brief identifying data for each item are listed in this column. When requisitioning, enter the nomenclature and description.

(5) Unit of issue. The unit of Issue is each unless otherwise ***indicated*** and is the supply term by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.

(6) Expendability. Nonexpendable items are indicated by NX. **Expend**able items are not annotated.

(7) ***Quantity authorized.*** **Under "Items Comprising an Operable Equipment," the column lists the quan**tity of items supplied for the initial operation of the equipment.

(8) Quantity incorporated in unit. This column lists the quantity of each part found in a given assembly, component, or equipment.

(9) ***Field (third echelon).*** No parts authorized for stockage.

(10) ***Field (fourth echelon).*** The numbers in this column indicate quantities of repair parts authorized for initial stockage for use in fourth echelon maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.

(11) Depot (fifth echelon). The numbers in this column indicate quantities of repair parts authorized for depot maintenance and for initial stockage for maintenance, and for supply support to lower echelons. The entries are based on the quantity required for rebuild of 100 equipments.

(12) Illustrations. Not used.

2. Parts for Maintenance

When this equipment is used by signal service organizations organic to the theater headquarters or communication zones to provide theater communications, those repair parts authorized up to and including fourth echelon are authorized for stockage by the organization operating this equipment.

3. Stockage

No parts authorized for **stockage at** second echelon.

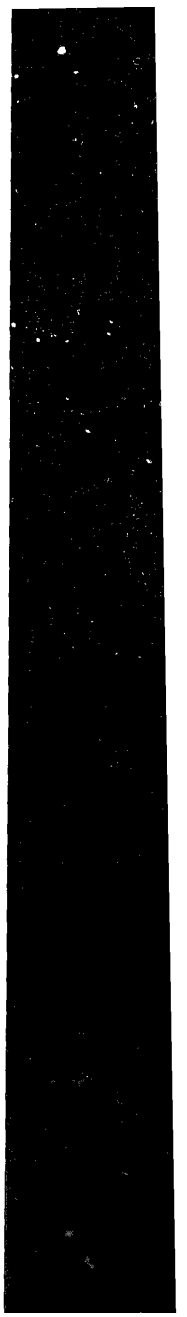
4. **Requisitioning Information (Fourth and Fifth Echelon)**

a. The allowance factors are based on 100 equipments. In order to determine the number of parts authorized for initial stockage for the specific number of equipments supported, the following formula will be used and carried out to two decimal places.

authorized is between 0.5 and 1.0, the quantity authorized will be one.

(3) For all values above one, fractional values below 0.5 will revert to the next lower whole number and

Manual Parts Lists or Supply Manual 7, 8 or 9), direct to: Commanding Officer, U. S. Army Electronics Materiel Support Agency, ATTN: SELMS-ML, Fort Monmouth, New Jersey.



SECTION II. FIRST ECHELON FUNCTIONAL PARTS LIST

FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXP	QTY IN UNIT	ILLUSTRATION	
						FIG NO	ITEM NO
		ATTENUATOR, VARIABLE CN-802/U					
5985-857-1289		ATTENUATOR, VARIABLE CN-802/U: Waveguide Type, 1.15 to 1v max VSWR, 1 watt power rating, freq response 8.2 to 10 KMC, Attenuation 0 to 100 DB continuously variable.		NX			
		Used in applications where a wide range of attenuation and a minimum physical size are required for extending the range of available measuring equipment.					
		ITEMS COMPRISING AN OPERABLE EQUIPMENT					
ORD THRU AGC		TECHNICAL MANUAL TM 11-5985-238-15P					
		RUNNING SPARE ITEMS					
		NO PARTS AUTHORIZED FOR STOCKAGE AT FIRST ECHELON					

SECTION III. FOURTH AND FIFTH ECHELON FUNCTIONAL PARTS LIST

SOURCE CODE A	B	C	D	FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXP	QTY IN UNIT	3RD-FIELD	4TH-FIELD	5TH DEPOT	ILLUSTRATIONS FIG. NO.	ITEM NO.
						ATTENUATOR, VARIABLE CN-502/U								
				5985-857-1289		ATTENUATOR, VARIABLE CN-502/U: Waveguide Type; 1.15 to 1v max VSWR, 1 watt power rating; freq. response 8.2 to 10 KMC; Attenuation, 0 to 100 DB, continuously variable. Used in applications where a wide range of attenuation and a minimum physical size are required for extending the range of available measuring equipment.		NX							
	P1	H		5355-889-3433		DIAL, CONTROL: knob type dial, scale marked 0 to 100 o/a dim 0.750 in ht, 2.750 in dia 3/8 in dia shaft accommodated General Radio Co., Inc part No.902VD			1		0.4	6.0		
	P1	H		6625-981-2996		GEAR, RACK: PRD Electronics, Inc. part No. 26247			1		0.4	6.0		
	P1	H		3020-983-9296		GEAR, SPUR. 16 teeth, 14-1/2° pressure angle, PRD Electronics, Inc. part No. 30129			1		0.4	6.0		
	P1	H		6130-859-2607		POINTER, DIAL: plastic, w/index line, o/a dim. 0.625 in lg, 0.510 in wd, 0.062 in thk, PRD Electronics, Inc. part No. 14151			1		0.4	6.0		
	P1	H		6625-981-3000		LOOP ASSEMBLY: o/a dim., 4-15/16 in lg., 19/32 in dia. PRD Electronics, Inc. part No. 26249			1		0.4	6.0		

END

SECTION IV

MAINTENANCE ALLOCATION

6. General

This section assigns maintenance functions to be performed on components, assemblies, and subassemblies by the lowest appropriate maintenance echelon.

7. Columns

a. Columns in the maintenance allocation chart are as follows:

(1) ***Part or component. This column*** shows only the nomenclature or standard item name. Additional descriptive data are included only where clarification is necessary to identify the component. Components, assemblies, and subassemblies are listed in top-down order. That is, the assemblies which are part of a component are listed immediately below that component, and the subassemblies which are part of an assembly are listed immediately below that assembly. Each generation breakdown (components, assemblies, or subassemblies) is listed in disassembly order or alphabetical order.

(2) ***Maintenance function.*** This column indicates the various maintenance functions allocated to the echelons.

(a) Service. To clean, to preserve, and to replenish lubricants.

(b) ***Adjust.*** To regulate periodically to prevent malfunction,

(c) ***Inspect.*** To verify serviceability and to detect incipient electrical or mechanical failure by scrutiny.

(d) Test. To verify serviceability and to detect incipient electrical or mechanical failure by use of special equipment such as gages, meters, etc.

(e) ***Replace.*** To substitute serviceable components, assemblies, or subassemblies, for unserviceable components, assemblies, or subassemblies.

(f) ***Repair.*** To restore an item to serviceable condition through correction of a specific failure or unserviceable condition. This function includes but is not limited to welding, grinding, riveting, straightening, and replacement of parts other than the trial and error replacement of running spare type items such as fuses, lamps, or electron tubes.

(g) ***Align.*** To adjust two or more components of an electrical system so that their functions are properly synchronized.

(h) Calibrate. To determine, check, or rectify the graduation of an instrument, weapon, or weapons system, or components of a weapons system.

(i) ***Overhaul.*** To restore an item to completely serviceable condition as prescribed by serviceability standards developed and published by heads of technical services. This is accomplished through employment of the technique of "Inspect and Repair Only as Necessary" (IROAN). Maximum utilization of diagnostic and test equipment is combined with minimum disassembly of the item during the overhaul process.

(j) Rebuild. To restore an item to a standard as near as possible to original or new condition in appearance, performance, and life expectancy. This is accomplished through the maintenance technique of complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable elements using original

manufacturing tolerances and/or specifications and subsequent reassembly of the item.

(3) lst, 2d. 3d, 4th, 5th echelons, The symbol X indicates the echelon responsible for performing that particular maintenance operation, but does not necessarily indicate that repair parts will be stocked at that level. Echelons higher than the echelon marked by X are authorized to perform the indicated operation.

(4) ***Tools required.*** This column indicates codes assigned to each individual tool equipment, test equipment, and maintenance equipment referenced. The grouping of codes in this column of the maintenance allocation chart indicates the tool, test, and maintenance equipment required to perform the maintenance function.

(5) Remarks. Entries in this column will be utilized when necessary to clarify any of the data cited in the preceding columns.

b. Columns in the allocation of tools for maintenance functions are as follows:

(1) ***Tools required for maintenance functions. This*** column lists tools, test, and maintenance equipment required to perform the maintenance functions.

(2) 1st, 2d, 3d, 4th, 5th echelon. The dagger (t) indicates the echelons normally allocated the facility.

(3) Tool code. This column lists the tool code assigned.

SECTION V. MAINTENANCE ALLOCATION CHART

PART OR COMPONENT	MAINTENANCE FUNCTION	ECHELON 1	2	3	4	5	TOOLS REQUIRED	REMARKS
ATTENUATOR, VARIABLE CN-802/U	adjust		X				4	
	repair				X		1,2,3	
	calibrate					X		Depot Facilities.
	overhaul					X		Depot Facilities.
DIAL CONTROL	replace				X		3	
LOOP ASSEMBLY	replace				X		1,2,3	
	repair				X		1,2,3	
GEAR,ASSEMBLY	replace				X		3	
	repair				X		3	

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SECTION VI. ALLOCATION OF TOOLS FOR MAINTENANCE FUNCTIONS

TOOLS REQUIRED FOR MAINTENANCE FUNCTIONS	ECHELON 1	2	3	4	5	TOOL CODE	REMARKS
CN-802/U (continued)							
MULTIMETER TS-352/U				†	†	1	
TEST SET, CAPACITANCE-INDUCTANCE-RESISTANCE AN/URM-90				†	†	2	
TOOL KIT, RADAR AND RADIO REPAIRMAN TK-87/U				†	†	3	
TOOLS AND TEST EQUIPMENT AVAILABLE TO THE REPAIRMAN USER BECAUSE OF HIS ASSIGNED MISSION.		†				4	

CN-802/U

By Order of Secretary of the Army:

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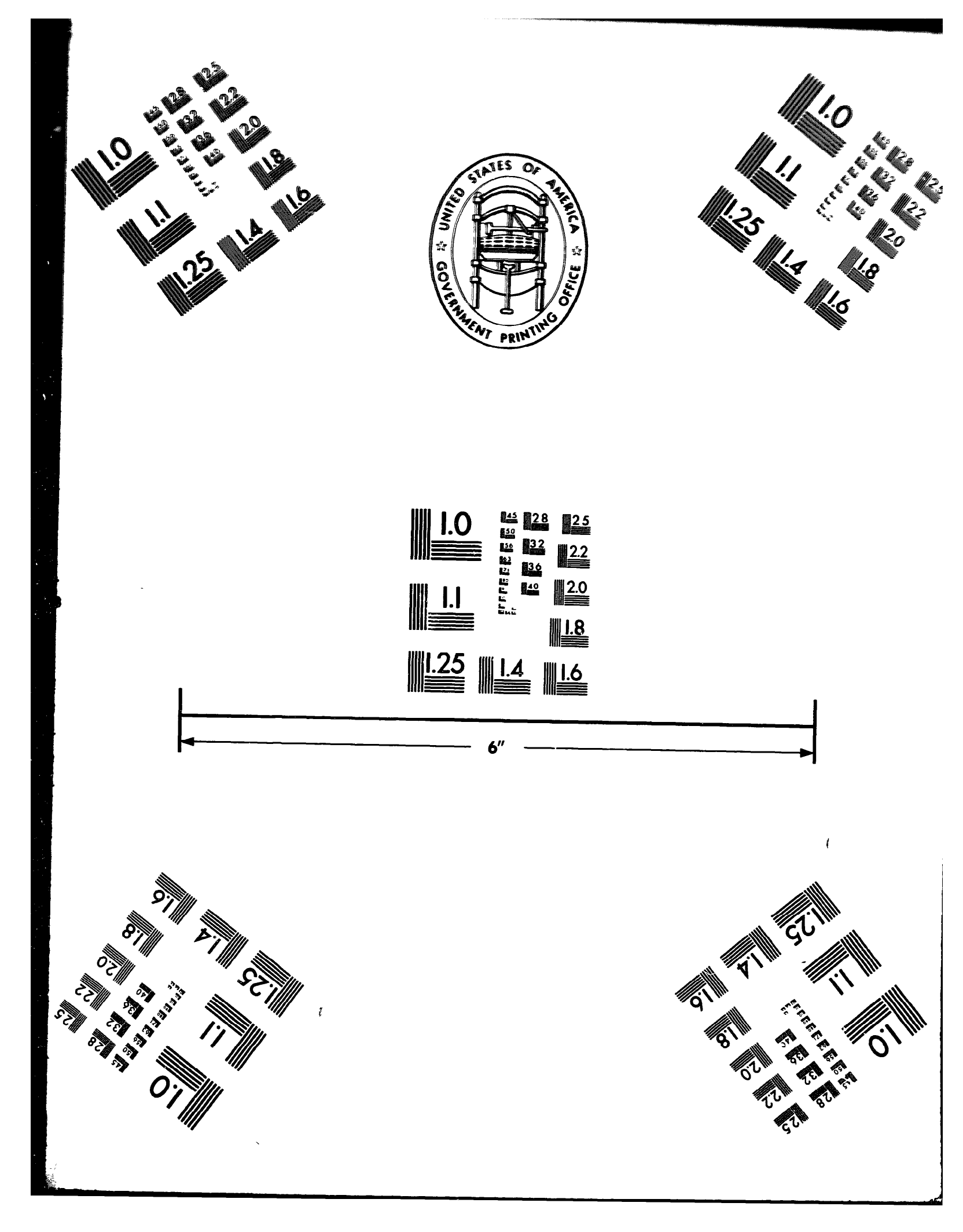
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