

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LISTS, SIGNAL GENERATOR SET AN/URM-25D

Headquarters, Department of the Army, Washington, D. C 20315  
12 November 1964

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**SECTION I  
INTRODUCTION**

**1. Scope**

a. This manual lists the repair parts authorized for organizational maintenance and constitutes a basis of requisitioning when the major item of equipment is authorized to the organization. These equipments are issued on the basis of allowances prescribed in equipment authorization tables and other documents which are a basis of requisitioning.

b. Columns are as follows:

- (1) *Federal stock number.* This column lists the 11-digit Federal stock number.
- (2) *Designation by model.* The dagger (†) indicates serial No. in which the part is used.

- (3) *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.
- (4) *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.
- (5) *Expendability.* Nonexpendable items are indicated by NX. Expendable items are not annotated.
- (6) *Quantity incorporated in unit.* This column lists the quantity of each part

\* This manual, together with C4, 12 November 1964 of TM 11-5551D, 1 March 1956, C4, 12 November 1964 of TM 11-5551E, 4 September 1956, and TM 11-6625-603-20P, 23 October 1964, supersedes TM 11-6225-278-20P, 24 November 1956, including C1, 15 July 1960.

found in a given assembly, component, or equipment.

- (7) *Organizational.* An asterisk (\*) indicates that an item is not authorized for stockage but, if required, may be requisitioned for immediate use only.
- (8) *Illustration.* The "Item No." column lists the reference designations that appear on the part in the equipment. These same designations are also used on any illustrations of the equipment. The numbers in the "Figure No." column refer to the illustrations where the part is shown in TM 11-5551D.

## **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 general support are authorized for stockage by the organization operating this equipment.

## **3. References**

A maintenance allocation chart and basic issue items list are contained in TM 11-5551D.

## **4. Reporting of Equipment Manual Improvements**

The direct reporting by the individual user of errors, omissions, and recommendations for improving this equipment manual is authorized and encouraged. DA Form 2028 will be used for reporting these improvements. This form may be completed using pencil, pen, or typewriter. DA Form 2028 will be completed in triplicate and forwarded by the individual using the manual. The original and one copy will be forwarded direct to: Commanding General, U. S. Army Electronics Command, ATTN: AMSE-MR-MA, Fort Monmouth, New Jersey 07703. One information copy will be furnished to the individual's immediate supervisor (officer, noncommissioned officer, supervisor, etc).

CHANGE  
No. 1

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC, *19 July 1984*

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL  
TOOLS LISTS, SIGNAL GENERATOR SET  
AN/URM-25D  
(6625-00-649-5193)**

TM 11-6625-278-20P, 12 November 1964, is changed as follows:  
Page 3, Section III is added after Section II.

### SECTION III

CROSS REFERENCE INDEX. The Cross-Reference Index is a cross-reference listing of part number to National Stock Number.

*a. Use of Cross-Reference Index.* To order a part listed in the Cross-Reference Index, note part number and then cross-reference that part number to the National Stock Number in the cross-reference index. Then order through normal ordering channels.

*b. Ordering Part Numbers Without National Stock Number.* If the part number does not have a National Stock Number. then order that part through normal ordering channels using the part number and the FSCM.

**CROSS REFERENCE INDEX FORMAT**  
**Parts with AN FSN**

<b>FSN</b>	<b>NEW NSN</b>	<b>FSCM</b>	<b>PART NUMBER</b>
62401557864	6240001557864	88044	AN3136-323
59352013090	NONE	80058	UG-201/U
62402239100	6240002239100	81349	NE-51
59352581767	5935002581767	80058	CW-123A/U
59202849220	5920002849220	81349	F02B250V1A
62102992716	NONE	72619	81-137
66253095381	6625006495193	80058	AN/ URM-25D
53556679431	NONE	80049	47A40527
53556687898	5355006687898	24655	KNB2
66256690256	6625006690256	80058	SG-85/URM-25D

By Order of the Secretary of the Army:

JOHN A. WICKHAM JR.  
*General, United States Army*  
*Chief of Staff*

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ROBERT M. JOYCE  
*Major General, United States Army*  
*The Adjutant General*

DISTRIBUTION:

To be distributed in accordance with DA Form 12-36B Organizational Management for AN/URM-25.

## SECTION II. FUNCTIONAL PARTS LIST

FEDERAL STOCK NO.	DESIGNATION BY MODEL				DESCRIPTION	UNIT OF ISSUE	EXP	QTY IN UNIT	MAINT ORG ALLOW.	ILLUSTRATION	
										FIG. NO.	ITEM NO.
6625-309-5381					SIGNAL GENERATOR SET AN/URM-25D SIGNAL GENERATOR SET AN/URM-25D: measure RP Circuits operating range 10 to 50,000 Kc; 0.1 to 100,000 microvolts calibrated output; 400 and 1,000 cycles internal modulation; power requirements 115 vac, 50/1600 cycle, single phase spec MIL-A-15281(ships)		NX				
5935-201-3090					CONNECTOR, ADAPTER: AN type UG-201/U GENERATOR, SIGNAL SG-85/URM-25D <b>NOTE: Model Column 1 refers to equipment with Serial No. 1 thru. 1929; Column 2 refers to equipment with Serial No. 1930 and up.</b>			1	*	1-1	P801
5935-258-1767	†	†			CAP, ELECTRICAL CONNECTOR: AN type CW-123A/U; 5/8 in. lg x 9/16 in. dia w/ chain			3	*	1-1	E109, E110, E111
5920-284-9220	†	†			FUSE, CARTRIDGE: 1 amp, 250v; MIL type F02G1R00B			2	*	4-1	F101, F102
5355-667-9431	†	†			KNOB: black phenolic w/ white arrow; 1-1/4 in lg x 3/4 in. wd x 11/16 in. h; USAF dwg No. 47A40527			6	*	4-1	E113 thru E118
5355-668-7898	†	†			KNOB: black phenolic; rd w/pointer, bar and skirt; General Radio type No. KNB-2			1	*	4-1	E119
6240-223-9100	†	†			LAMP, GLOW: neon, 1/25 w; miniature bayonet base; GE type NE-51			1	*	4-1	I101
6240-155-7864	†	†			LAMP, INCANDESCENT: 3v, 0.19 amp; style T-1-1/4 globe, special screw base 35/64 in. lg o/a; AN type AN3136-323			2	*		E121, E122
6210-299-2716	†	†			LENS, INDICATOR LIGHT: for u/w I101; clear threaded; Dialco No. 81-137			1	*	4-1	

AN/URM-25D

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,  
*General, United State Army,  
 Chief of Staff.*

Official:

J. C. LAMBERT,  
*Major General, United State Army,  
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Br Svc Sch (2) except	Natick Lab (2)
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USASESCS (75)	FGH (2)
USAAMS (25), USAADS (25)	Units org under fol TOE:
USAARMS (10), USAOGMS (50)	(2 cys ea except a indicated)
USASA Tng Cen & Sch (25)	1-7
GENDEP (OS) (2)	1-17
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6-175	11-592
6-176	11-597
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6-186	17
6-200	17-51
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6-346	29-16
6-346	29-17
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6-525	29-35
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11-6	29-105
11-7	29-109
11-8	30-25
11-16	31-500 (AA-AF)
11-35	32-52
11-36	32-57
11-38	32-67
11-55	32-68
11-56	32-78
11-57	32-500
11-58	33-56
11-86	33-105
11-86	33-106
11-87	33-500 (AA-AC)
11-95	87
11-96	39-61
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NG: State AG (3).

USAR: None.

For explanation of abbreviations used, see AR 320-60.

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## The Metric System and Equivalents

### *Linear Measure*

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

### *Weights*

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 decagram = 10 grams = .35 ounce  
 1 hectogram = 10 decagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

### *Liquid Measure*

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

### *Square Measure*

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

### *Cubic Measure*

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

<i>To change</i>	<i>To</i>	<i>Multiply by</i>	<i>To change</i>	<i>To</i>	<i>Multiply by</i>
inches	centimeters	2.540	ounce-inches	Newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	Newton-meters	1.356	metric tons	short tons	1.102
pound-inches	Newton-meters	.11296			

### Temperature (Exact)

°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C
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**PIN: 018919-000**