

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

FIELD AND DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS
LIST FOR GENERATOR, SIGNAL, AN/URM-48

Headquarters, Department of the Army, Washington 25, D. C.
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SECTION I. INTRODUCTION

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This copy is a reprint which includes current
pages from Changes 3 and 4.

*This manual, together with TM 11-6625-267-12P, 13 April 1959, supersedes DA Supply Manual SIG 7 & 8 AN/URM-48, 7 May 1957, including C 1, 8 January 1958.

SECTION I

INTRODUCTION

1. Scope

a. This manual lists the quantities of repair parts for third and 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.

b. The columns are defined as follows:

- (1) *Source, maintenance, and recoverability code.* The source code column is divided into four parts. Symbols are used in column C only; they indicate the lowest maintenance echelon authorized to install the part. Symbols used indicate the following:
 - O—Organizational maintenance (1st and 2d echelon).
 - F—Field maintenance (3d echelon).
 - H—Field maintenance (4th echelon).
- (2) *Federal stock number.* The stock number column lists the 11-digit Federal stock number.
- (3) *Designation by model.* A dagger (†) indicates the model in which the part is 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 on the requisition.
- (5) *Unit of issue.* The unit of issue is the supply term applied to the smallest quantity by which the individual item is counted for procurement, storage, requisitioning, allowances, and issue purposes.
- (6) *Expendability.* Expendable items are indicated by the letter X; nonexpendable items are indicated by NX.
- (7) *Quantity incorporated in unit.* This column lists the quantity of each particular part found in a given assembly, component, or equipment.
- (8) *Field (third echelon).* The numbers in this column indicate quantities of re-

pair parts authorized for initial stockage for use in the third echelon maintenance and in supply support to second echelon. Quantities are based on 100 equipments to be maintained for a 15-day period.

- (9) *Field (fourth echelon).* The numbers in this column indicate quantities of repair part 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.
- (10) *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.
- (11) *Illustrations.* The "Item No." column lists the reference designations that appear on the part in the equipment. These designations are also used on any illustrations of the equipment.

2. Maintenance by Using Organizations

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. Additional Repair Parts

Additional items not expected to fail during the first year, but which may be required to perform authorized field maintenance in subsequent years are identified by an asterisk and are to be requisitioned as required for immediate use only. Refer to AR 700-18.

4. Critical Items

A zero slash (Ø) appears by items that are expected to fail during the first year. This sym-

bol also appears by items that will make the equipment inoperative if they fail.

5. Electron Tubes

The consumption rates given for tubes are conservative theoretical estimates, and are provided for use only where no better information, such as data based on operating experience, is available. These figures are based on levels and requirements for equipment actually in use, not on authorizations or equipment stored in depots.

6. Requisitioning Information

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:

$$\frac{\text{Specific number of equipments supported} \times \text{allowance factor}}{100} =$$

Number of parts authorized for initial stockage.

b. Fractional values obtained from above computation will be rounded to whole numbers as follows:

- (1) When the total number of parts authorized is less than 0.5, the quantity authorized shall be zero.
- (2) When the total number of parts authorized is between 0.6 and 1.0, the quantity authorized will be one.
- (3) For all values above one, fractional values below 0.6 will revert to lower whole number and fractional value 0.5 and above will revert to the next higher whole number.
- (4) When the allowance factor listed in the third echelon columns is in parentheses (), a quantity of one is au-

thorized for initial stockage even though the computed quantity is less than 0.5.

c. The quantities determined in accordance with the above computation represent the initial stockage for a 15-day period.

7. References

a. A Maintenance allocation chart showing all repair operations authorized to be performed by the respective echelons of maintenance is contained in TM 11-6625-267-12P, Operator's and Organizational Maintenance Repair Parts and Special Tools List and Maintenance Allocation Chart for Generator, Signal AN/URM-48.

b. Additional instructions concerning maintenance of this equipment are contained in TM 11-1257, Signal Generator AN/URM48.

8. Abbreviations

Amphenol	American Phenolic Corporation
AWG	American Wire Gage
Buss	Bussmann
CCW	counterclockwise
Centralab	Centralab Division, Globe Union Incorporated
Ckt	circuit
CTS	Chicago Telephone Supply Corporation
Delco	Dial Light Company of America, Incorporated
IF	intermediate frequency
kc	kilocycle (s)
nom	nominal
RF	radio frequency
uv	microvolt (s)
xtal	crystal (s)

9. Comments or Suggestions

Any comments concerning omissions and discrepancies in this manual will be prepared on DA Form 2028 and forwarded direct to Commanding Officer, U. S. Army Signal Equipment Support Agency, Fort Monmouth, N. J., ATTN: SIGFM/ES-ML.