

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

FIELD (FOURTH ECHELON) AND DEPOT MAINTENANCE REPAIR PARTS AND
SPECIAL TOOL LISTS
VOLTMETER, ELECTRONIC AN/URM-145

Headquarters, Department of the Army, Washington 25, D. C.
29 May 1963

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SECTION I
INTRODUCTION

1. Scope

a. This manual lists the quantities of repair parts for fourth and fifth 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. 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.* Not used.
- (c) *Column C.* This column indicates the lowest maintenance echelon authorize to install the part.
"O" -Organizational maintenance (1st and 2d echelon).
"H"-Field maintenance (4th echelon).
"D"-Depot maintenance (5th echelon).

(d) *Column D.* Not used.

- (2) *Federal stock number.* This column lists the 11-digit Federal stock number.
- (3) *Designation by model.* The dagger (†) indicates 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.
- (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. Expendable items are not annotated.
- (7) *Quantity incorporated in unit.* This column lists the quantity of each part found in a given assembly, component, or equipment.
- (8) *Field (third echelon).* No parts authorized for stockage at third echelon.
- (9) *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.
- (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 symbols used for identification of the items in the illustration or text of the manual.

2. Parts for Maintenance

When this equipment is used by signal service organizations organic to the theater headquarters or communication zones to provide theater com-

munication, those repair parts authorized up to and including fourth echelon are authorized for stockage by the organization operating this equipment.

3. Electron Tubes

The consumption rates given for tubes are conservative theoretical estimates and are provided for use only when more complete information, such as data based on operating experience, is not available. These figures are based on levels and requirements for equipment actually in use, not on authorizations or equipment stored in depots.

4. 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.

$$\text{Specific number of equipments supported} \times \frac{\text{allowance factor}}{100} = \text{Number of parts authorized for initial stockage.}$$

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 will be zero.
- (2) When the total number of parts 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 fractional value 0.5 and above will advance to the next higher whole number.

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

5. References

A maintenance allocation chart and basic issue items list are contained in TM 11-6625-524-14.