

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
AND SPECIAL TOOL LISTS  
TEST SET TS-27B/TSM

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13 February 1964

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SECTION I  
INTRODUCTION

1. Scope

a. This manual lists the quantities of 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 the model, manufacturer, and Order 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 found in a given assembly, component, or equipment.
- (7) *Organizational.* The quantities indicated in this column are maximum levels of repair parts authorized to be kept on hand by units performing organizational

\*This manual supersedes TM 11-6625-240-20P, 22 August 1961.

maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.

- (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 11-2057A.

## 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. Additional Repair Parts Authorization

An asterisk (\*) in the Column titled "15 Day Maintenance Allowance per 100 Equipments" indicates that an item is not authorized for stockage but if required, may be requisitioned for immediate use only.

## 4. Requisitioning Information

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

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

Number of parts authorized.

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 one, the quantity authorized will be one.
- (2) For all values above one, fractional

values below 0.5 will revert to the next lower number, fractional values of 0.5 or larger will advance to the next higher whole number.

c. The number of parts authorized, determined after application of *a* and *b* above, represent one prescribed load for a 15-day period. The items and computed quantities thereof must be on hand or on order at all times.

d. Major commanders will determine the number of prescribed loads second echelon units and organizations will carry. Unit and organizations authorized additional prescribed loads will utilize the formula explained in *a* above but will multiply the number of equipments supported by the number of authorized prescribed loads before completing the formula. Fractional values will be rounded to whole numbers as described above.

## 5. References

A maintenance allocation chart and basic issue items list are contained in TM 11-2057A, Test Set TS-27B/TSM.

## 6. 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. An original and one copy will be forwarded direct to: Commanding Officer, U. S. Army Electronics Materiel Support Agency, ATTN: SE LMS-ML, Fort Monmouth, New Jersey, 07703. One information copy will be furnished to the individual's immediate supervisor (officer, noncommissioned officer, supervisor, etc).

# SECTION II FUNCTIONAL PARTS LIST

FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXP	QTY IN UNIT	2d ORGANIZATIONAL	ILLUSTRATION	
							FIGURE NO.	ITEM NO.
6625-188-3232		TEST SET TS-27B/TSM  NOTE: Model Column 1 refers to TS-27B/TSM procured from Universal Electric Co. Order 22524-P-51 and 6946-P-51; Column 2 refers to TS-27B/TSM procured from General Communications Co. Order 16190-P-55 and 21514-P-56; Column 3 refers to TS-27B/TSM procured from Albert Mfr Corp. Order 25658-P-54; Column 4 refers to TS-27B/TSM procured from Artisan Electronics Order 39160-PP-58		NX				
5340-524-5711	+	BUNPER, RUBBER: Canfield Rubber Co. p/n 1423	+		4	3.2		
6625-405-5519	+	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: 51 in. lg., WECO p/n 168841 (patch cord)	+		1	2.2		W1
6625-545-8229	+	CHART SET, CALIBRATION: c/o 1 ea. of the following Sig dwgs SC-D-11558G; SC-D-11559F; SC-D-11560F; SC-D-11561F; SC-D-11562F and SC-D-11563D	+		1	2.2		
5940-186-8942	+	CLIP, ELECTRICAL TL-137: used on test leads; Sig dwg SC-B-6592	+		5	2.2		
5935-192-4762	+	PLUG, TELEPHONE: MIL type PJ-O-1, Sig dwg SC-B-8453	+		1	2.2		
6625-643-8543	+	PROD, TEST MX-1907/U: Red; Sig dwg 6879 Group 2	+		2	3.2	1	
6625-643-8541	+	PROD, TEST MX-1907/U: Black; Sig dwg SC-C-82716	+		3	4.1	1	
6145-160-5027	+	WIRE, ELECTRICAL: For test leads, black MIL-W-13169 (Authorized allowances will be a minimum of or a multiple of 5 ft)	+	ft	3	*		
6145-164-6952	+	WIRE, ELECTRICAL W-17/U: F/test leads MIL-W-13169 (Authorized allowances will be a minimum of or a multiple of 5 ft)  CAPACITANCE-RESISTANCE BRIDGE ZM-7A/TSM; ZM-7B/TSM	+	ft	2	*		

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FEDERAL STOCK NUMBER	DESIGNATION BY MODEL	DESCRIPTION	UNIT OF ISSUE	EXP	QTY IN UNIT	2d ORGANIZATIONAL	ILLUSTRATION	
							FIGURE NO.	ITEM NO.
		TS-27B/TSM (continued)						
		NOTE: Model Column 1 refers to ZM-7A/TSM procured from Universal Electric Co. order 22524-P-51 and 6946-P-51; Column 2 refers to ZM-7B/TSM procured from Albert Mfg Corp order 25658-P-54; Column 3 refers to ZM-7B/TSM procured from General Communications Co. orders 16190-P-55 and 21514-P-56; Column 4 refers to ZM-7B/TSM procured from Artisan Electronics order 39160-PP-58						
5960-100-5139	+	ELECTRON TUBE: 1LN5			1	*	27	V1
5960-188-3521	+	ELECTRON TUBE: 3Q5GT			1	*	27	V2
5355-160-6066	+	KNOB, BAR: for selector switch S-7 Sig dwg 11513			1	1.6	3	7
5355-284-4575	+	KNOB, BAR: for selector switch S-7 Sig dwg 126116			1	1.6	3	7
5355-524-0056	+	KNOB: turn slide; General Communication p/n P-700-E20			1	1.6	3	9
5355-619-9851	+	KNOB: turn slide; Kruz-Kasch p/n S-309-70			1	1.6	3	9

**By Order of Secretary of the Army:**

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USASTC (3)  
WRAMC (1)  
Army Pic Cen (2)  
USA Mob Spt Cen (1)  
AMS (1)  
Army Tml (1)  
POE (1)  
Sig Fld Maint Shops (3)  
AFIP (1)  
MAAG, Iran (2)  
USAERDLA (Ft Huachuca) (10)  
USAERDLA (White Sands) (13)  
USAERDLA Trp Comd (10)  
Units org under fol TOE: (2 CY  
    ea except as indicated)  
5-600 11-39 29-16  
5-605 11-55 29-17  
6-100 11-56 29-17  
6-101 11-57 29-21  
6-200 11-58 29-25  
6-300 11-95 29-26  
6-301 11-97 29-27  
6-302 11-98 29-35  
6-401 11-117 29-36  
6-501 11-155 29-37  
6-575 11-157 29-51  
6-576 11-158 29-55  
7 11-237 29-56  
7-52 11-500 (AA-AE) (4) 32-500  
11-5 11-555 37  
11-6 11-557 39-51  
11-8 11-587 57  
11-16 11-592  
11-25 11-597  
11-35 11-608  
11-36 17  
11-37 29-1  
11-38 29-15

*NG:* State A G (3); Units – Same as Active Army except allowance is one copy to each Unit.

*USAR:* None.

For explanation of abbreviations used, see AR 320-50.



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