

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LIST
AUDIO OSCILLATOR TS-382A/U, -382B/U, -382D/U, -382E/U AND -82F/U

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

12 April 1961

		Paragraph	Page
Section	I. INTRODUCTION		1
	Scope	1	1
	Parts for maintenance	2	2
	Additional repair parts authorization	3	2
	Requisitioning information	4	2
	Reference	5	2
	Comments or suggestions	6	2
	II FUNCTIONAL PARTS LIST		3

SECTION I
INTRODUCTION

1. Scope.

a. This manual lists the quantities of repair parts authorized for organizational maintenance and constitutes a basis for 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 for requisitioning.

b Columns are as follows:

- (1) *Source, maintenance, and recoverability code.* Not listed.
- (2) *Federal stock number.* This column lists the 11-digit Federal stock number.

(3) *Designation by model.* The dagger (†) indicates the model and contract procurement in which the part is used and further by its position designates the reference symbol in which the item is identified.

(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.

*This manual, together with TM 11-6625--261-12, 12 April 1961, supersedes TM 11 I25-261-12P, 7 May 1969, including C1, 7 April 1960.

- (5) *Unit of issue.* The unit of issue is the supply term 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 part found in a given assembly, component, or equipment.
- (8) *Organizational.* The quantities indicated in this column are maximum levels of repair parts authorized to be kept on hand by units performing organizational maintenance. The quantities are based on 100 equipments to be maintained for a 15-day period.
- (9) *Illustrations.* The "Item No." column lists the reference symbols used for identification of the items in the illustration or text of the manual.

authorized 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.

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 whole 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.

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 Equipment" 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

5. References

A maintenance allocation chart and basic issue items list is contained in TM 116625-261-12.

6. 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 Materiel Support Agency, ATTN: SIGMS-ML, Fort Monmouth, N. J.

SECTION II. FUNCTIONAL PARTS LIST

(1) SOURCE MAINT AND RECOV CODE	(2) FEDERAL STOCK NO.	(3) DESIGNATION BY MODEL						(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPEND- ABILITY	(7) QTY INC. IN UNIT	(8) ORGANI- ZATIONAL	(9) (10) ILLUS- TRATIONS	
		1	2	3	4	5	6					15 DAYS MAINT ALLOW PER 100 EQUIPS 2 ND	FIG. NO.	ITEM NO.
							AUDIO OSCILLATOR TS-382A, B, D, E, F, U							
	6625-091-9489						NOTE: Model Column 1 refers to TS-382A/U; Column 2 refers to TS-382B/U; Column 3 refers to TS-382D/U procured under contract AF33(604)29558; Column 4 refers to TS-382D/U procured under Contract AF33(604)10907; Column 5 refers to TS-382E/U; Column 6 refers to TS-382F/U							
	6145-548-1258	†	†	†	†	†	AUDIO OSCILLATOR TS-382A,B,D,E,F,U		ea	NX				
	5920-665-5176				†		CABLE, POWER, ELECTRICAL: MIL type CO-02MGF(2 18)0300		ft	X	5			W202
	5920-244-5150	†	†	†		†	Ø CAP, ELECIRICAL: . for fuseholder Littletuse type 342003SA- 2		ea	X	4	*		
	5340-049-7684	†	†	†			Ø CAP, ELECTRICAL: for fuseholder, Buss part No. 9435 1 2		ea	X	4	*		
	5935-351-4620	†	†	†	†	†	CLAMP, ELECTRICAL: Trav-Ler Radio part. dg No 267-026		ea	X	1	*		
	5935-149-4013	†	†	†	†	†	Ø CONNECTOR, ADAPTER: Adapter Connector UG-514 U		ea	X	1	*		A101
	5935-636-7145					†	Ø CONNECTOR, PLUG, ELECTRICAL: for AC power cable; Hubbell part No. 7057		ea	X	1	*		J106
	5935-519-9271	†	†	†	†		Ø CONNECTOR, PLUG, ELECTRICAL: MIL type: UP-121M		ea	X	1	*		P101
	5935-433-9938	†	†	†	†	†	Ø CONNECTOR, PLUG, ELECTRICAL: for AC power cable; Hubbell part No. 7084		ea	X	1	*		J105
	5960-116-9927	†	†	†	†	†	Ø DUMMY LOAD DA-35/U		ea	X	1	*		E113
	5960-228-3765	†	†	†	†	†	Ø ELECTRON TUBE: JAN type 6V6GTY		ea	X	1	*		V104
	5960-100-5268	†	†	†	†	†	Ø ELECTRON TUBE: JAN type 6J5WT		ea	X	1	*		V108
	5960-188-3565	†	†	†	†	†	Ø ELECTRON TUBE: JAN type 6SJ7Y		ea	X	1	*		V103
	5920-280-4466	†	†	†	†	†	Ø ELECTRON TUBE: JAN type OA3		ea	X	1	*		V109
							Ø FUSE, CARTRIDGE: 2 amp MIL type F02G2R00A		ea	X	1	5.2		F101 F102

TS-382A, B, D, E, F/U 2

SECTION II. FUNCTIONAL PARTS LIST

(1) SOURCE MAINT AND RECOV CODE	(2) FEDERAL STOCK NO.	(3) DESIGNATION BY MODEL						(4) DESCRIPTION	(5) UNIT OF ISSUE	(6) EXPEND- ABILITY	(7) QTY INC. IN UNIT	(8) ORGANI- ZATIONAL 15 DAYS MAINT ALLOW PER 100 EQUIPS 2 ND	(9) (10) ILLUS- TRATIONS	
		1	2	3	4	5	6						FIG. NO.	ITEM NO.
				†	†	†	†					†	†	
	5340-351-4443	†	†	†			†	TS-38A.,B,D,E,F/U (continued)			X	1	*	*
	5355-584-5032				†		†	KNOB: main tuning control; Harry Davis Molding part No. 4109			X	1	*	0126
	5355-161-0700			†	†		†	KNOB: main tuning control; Harry Davis Molding part No. 4109-D			X	3	*	
								KNOB: used for range sw; attenuator control, output voltage Control; Kurz-Kasch type No. S-6844-64B						
	5355-284-5181	†						KNOB: used for range sw; thermostat control, attenuator sw and output level control; Harry Davis Molding part No. 4104			X	4	*	
	5335-644-3840				†		†	KNOB: used for range sw. attenuator central, output Voltage Control; Harry Davis Molding part No. 2110-PL			X	3	*	0101 0102 0139
	6240-155-8706	†			†		†	LAMP, INCANDESCENT LM-52: 6-8 volt, 0.15 amp, min bay base; GE type No. 47; MIL MS90287-4			X	2	*	I101 I102 E110 E111
				†	†							2	*	
	6210-247-1778	†	†	†	†		†	LENS, INDICATOR LIGHT: for lampholder Dailco part No. 81-111			X	2	*	
	5310-596-8069		†	†				NUT, SELF-LOCKING, HEXAGON: Nylon insert; No. 10-32NF-2 thd, 3/8 in wide across flats			X	5	*	
	8310-392-8224		†	†				NUT, SELF-LOCKING, HEXAGON: Nylon insert; No. 12-24NC-2; 1/2 in wd across			X	4	*	
	5306-206-3397		†	†			†	THUMBSCREW: 1/4 in -20NC-2, 1 1/4 in lg; Trav-Ler Rad part/dwg 3-002			X	6	*	H107 thru H112

TS-382A, B, D, E, F/U

By Order of Secretary of the Army:

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Cop (5)	1-7 11-55 32-57
USATC AD (2)	1-17 11-56 32-67
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Svc Colleges (2)	5-16 11-98 -AC)
Br Svc sch (2)	5-600 11-117 39-51
GENDEP (2) except	5-605 11-155 39-52
Atlanta GENDEP (None)	5-630 11-156 39-61
Sig Sec, GENDEP (5)	7 11-500(Tms AA-
Sig Dep (12)	8-137 AE& RA-RT)(4)
1st GM Bde (5)	9-47 11-555 44-8
USMA (5)	9-87 11-687 44-435
Pine Bluff Arsenal (5)	9-217 11-592 44-436
USAERDL (5)	9-227 11-597 44 377
APG (5)	9-377 11-608 44-445
Anniston Ord Dep (5)	9-500(Tms AA-AC) 17 44-446
Blue Grass Ord Dep (5)	11-5 17-51 44-447
Erie Ord Dep (5)	11-6 29-51 44-448
Letterkenny Ord Dep (5)	11-7 29-55 44-535
Sioux Ord Dep (5)	11-15 29-56 44-636
QMRECOMD (5)	11-16 32-51 44-537
USACA (Detachments 1, 2, 3, 4, 5,1 7,8) (5)	11-38 32-56 44-544 44-545

44-546
44-547
44-548
55-157
57

NG: State AG (S); Units Same as Active Army except allowance is one copy to each unit.

USAR: None.

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

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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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