

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

**ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
AND SPECIAL TOOLS LISTS  
VOLTMETER, ELECTRONIC ME-202/U  
FSN 6625-709-0288**

Headquarters, Department of the Army, Washington, D.C.  
28 May 74

*Current as of November 1973*

	Paragraph	Page
SECTION I. INTRODUCTION		
Scope .....	1-1	2
General .....	1-2	2
Explanation of columns .....	1-3	2
Special information .....	1-4	4
Location of repair parts .....	1-5	4
Abbreviations (Not applicable) .....	1-6	4
Repotting of equipment publication improvements .....	1-7	4
II. PRESCRIBED LOAD ALLOWANCE (Not applicable)		
III. REPAIR PARTS LIST .....		6
IV. SPECIAL TOOLS, TEST AND SUPPORT EQUIPMENT (Not applicable)		
V. INDEX — FEDERAL STOCK NUMBER AND REFERENCE NUMBER CROSS- REFERENCE TO FIGURE AND ITEM NUMBER .....		8

\*This manual supersedes TM 11-6625-537-20P, 26 December 1963.

# SECTION I INTRODUCTION

---

## 1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the ME-202/U. The PCCN for the ME-202/U is GTEAEC for all models.

## 1-2. General

This repair parts and special tools list is divided into the following sections:

a. *Prescribed Load Allowance (PLA) - Section II.* Not applicable.

b. *Repair Parts List - Section III.* A list of repair parts authorized for the performance of maintenance at the organizational level. This repair parts list is arranged in alphabetical order.

c. *Special Tools, Test and Support Equipment - Section IV.* Not applicable.

d. *Index - Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number - Section V.* A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphameric sequence, of all reference numbers appearing in the listings. Federal stock number and reference numbers are cross-referenced to each illustration figure and item number or reference designation appearance.

## 1-3. Explanation of Columns

The following provides an explanation of columns in the tabular lists —

a. *Source, Maintenance, and Recoverability Codes (SMR).*

(1) *Source code.* Indicates the manner of acquiring support items for maintenance, repair, or overhaul of end items. Source codes are —

Code	Explanation
PA	Item procured and stocked for anticipated or known usage.
PB	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
PC	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.
PD	Support item, excluding support equipment, procured for initial issue or outfitting and stocked only for subsequent or additional initial issues or outfittings. Not subject to automatic replenishment.

Code	Explanation
PE	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
PF	Support equipment which will not be stocked but which will be centrally procured on demand.
PG	Item procured and stocked to provide for sustained support for the life of the equipment. It is applied to an item peculiar to the equipment which because of probable discontinuance or shutdown of production facilities would prove uneconomical to reproduce at a later time.
KD	An item of depot overhaul/repair kit and not purchased separately. Depot kit defined as a kit that provides items required at the time of overhaul or repair.
KF	An item of a maintenance kit and not purchased separately. Maintenance kit defined as a kit that provides an item that can be replaced at organizational or direct support or general support levels of maintenance.
KB	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO	Item to be manufactured or fabricated at organizational level.
MF	Item to be manufactured or fabricated at direct support maintenance level.
MH	Item to be manufactured or fabricated at general support maintenance level.
MD	Item to be manufactured or fabricated at depot maintenance level.
AO	Item to be assembled at organizational level.
AF	Item to be assembled at direct support maintenance level.
AH	Item to be assembled at general support maintenance level.
AD	Item to be assembled at depot maintenance level.
XA	Item is not procured or stocked because the requirements for the item will result in the replacement of the next higher assembly.
XB	Item is not procured or stocked. If not available through salvage, requisition.
XC	Installation drawing, diagram instruction sheet, field service drawing, that is identified by manufacturers' part number.
XD	Support items can be requisitioned with justification.

**NOTE**

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and aircraft support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code Format as follows —

(a) *Use (third position).* The maintenance code entered in the third position indicates the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position indicates one of the following levels of maintenance.

<i>Code</i>	<i>Application/Explanation</i>
O—	Support item is removed, replaced, used at the organizational level of maintenance.

**NOTE**

A code “C” may be used in this position to denote crew or operator maintenance performed within organizational maintenance.

F—	Support item is removed, replaced, used at the direct support maintenance level.
H—	Support item is removed, replaced, used at the general support maintenance.
D—	Support items that are removed, replaced, used at depot only.

(b) *Repair (fourth position).* The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). When a maintenance code is not used a dash (-) sign is entered. For multi-service equipment/systems or when a code is entered, this position will contain one of the following maintenance codes as assigned by the service(s) that require the code —

<i>Code</i>	<i>Application/Explanation</i>
O—	The lowest maintenance level capable of complete repair of the support item is the organizational level.
F—	The lowest maintenance level capable of complete repair of the support item is direct support.
H—	The lowest maintenance level capable of complete repair of the support item is general support.
D—	The lowest maintenance level capable of complete repair of the support item is the

<i>Code</i>	<i>Application/Explanation</i>
	depot level.
L—	Repair restricted to designated Specialized Repair Activity.
Z—	Non-repairable. No repair is authorized.
B—	No repair is authorized. The item may be reconditioned by adjusting, lubricating, etc., at the user level. No parts or special tools are procured for the maintenance of this item.

(3) *Recoverability code.* Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the uniform SMR Code Format as follows —

<i>Code</i>	<i>Explanation</i>
Z—	Nonrepairable item. When unserviceable, condemn and dispose at the level indicated in the first digit of the maintenance code.
O—	Repairable item. When uneconomically repairable, condemn and dispose at organizational level.
F—	Repairable item. When uneconomically repairable, condemn and dispose at the direct support level.
H—	Repairable item. When uneconomically repairable, condemn and dispose at the general support level.
D—	Repairable item. When beyond lower level repair capability, return to depot. Condemnation and disposal not authorized below depot level.
L—	Repairable item. Repair, condemnation, and disposal not authorized below depot/Specialized Repair Activity level.
A—	Item requires special handling or condemnation procedures because of specific reasons (i.e., precious metal content, high dollar value, critical material or hazardous material).

*b. Federal Stock Number.* Indicates the Federal stock number assigned to the item and will be used for requisitioning purposes.

*c. Description.* Indicates the Federal item name and a minimum description required to identify the item. The last line indicates the reference number followed by the applicable Federal Supply Code for Manufacturer (FSCM) in parentheses. The FSCM is used as an element in item identification to designate manufacturer or distributor or Government agency, etc., and is identified in SB 708-42.

*d. Unit of Measure (U/M).* Indicates the standard or basic quantity by which the listed item is used in performing the actual maintenance function. This

measure is expressed by a two-character alphabetical abbreviation; e.g., ea, in, pr, etc., and is the basis used to indicate quantities and allowances in subsequent columns. When the unit of measure differs from the unit of issue, the lowest unit of issue that will satisfy the required units of measure will be requisitioned.

*e. Quantity Incorporated in Unit.* This column indicates the quantity of the item used in the equipment. Subsequent appearances of the same item in the same assembly are indicated by the letters "REF".

*f. 15-Day Organizational Maintenance Allowance.*

(1) The repair parts indicated by an asterisk in the allowance column represent those authorized for use at the organizational category, and will be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2.

(2) Major Army commanders are authorized to approve reduction in the range of support items authorized for use in units within their commands. Recommendations for increase in range of items authorized for use will be forwarded to Commander, US Army Electronics Command, ATTN: AMSEL-MA-TMDE, Fort Monmouth, N.J., 07703. Any changes approved will be reflected in a revision to the RPSTL.

(3) Allowance quantities are indicated in the special tools list section for special tools, TMDE, and other equipment.

*g. Illustration.* This column is divided as follows:

(1) *Figure number.* Indicates the figure number of the illustration on which the item is shown in TM 1145626-637-15.

(2) *Item number.* Indicates the item number or reference designation used to reference the item in the illustration.

#### 1-4. Special Information

*a.* Usable on codes are included in column 3. Uncoded items are applicable to all models. Identification of the usable on codes used in this publication are —

<i>Code</i>	<i>Used on</i>
A9W	ME-202/U

*b.* The following publication pertains to the ME-202/U and its components:

TM 11-6625-537-15

Operator, Organizational,  
Field, and Depot  
Maintenance Manual:  
Differential Voltmeter  
ME-202/U.

#### 1-5. Location of Repair Parts

*a.* This manual contains one cross-reference index (sec V) to be used to locate a repair part when either the Federal stock number or reference number (manufacturer's part number) is known. The first column in the index is prepared in numerical or alphanumeric sequence in ascending order. The reference numbers (manufacturer's part numbers) are listed immediately following the last listed Federal stock number in the index of Federal stock numbers.

*b.* When the Federal stock number or reference number is known, follow the procedures given in (1) and (2) below.

(1) Refer to the index of Federal stock numbers (sec V) and locate the Federal stock number or reference number. The FSN and reference number are cross-referenced to the applicable figure and item number or reference designation.

(2) Refer to the repair parts list (sec III) and locate the figure number (col 7a) and item number or reference designation (col 7b) as noted in the FSN index.

*c.* When the figure and item number or reference designation are known, scrutinize columns 7a and 7b of the repair parts list (sec III) until the item is located.

*d.* When the FSN, reference number, figure number, item number and reference designation are not known, scrutinize column 3 of the repair parts list (sec III), which is arranged in alphabetical order.

#### 1-6. Abbreviations

Not applicable.

#### 1-7. Reporting of Equipment Publication Improvements

The reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-TMDE, Fort Monmouth, NJ., 07703.

(Next printed page is 6)

(1)	(2)	(3)	(4)	(5)	(6)				(7)		
SMR	FEDERAL STOCK	DESCRIPTION	UNIT OF MEAS	INC IN UNIT	15-DAY	ORGANIZATIONAL	MAINTENANCE	ALW	ILLUSTRATION		
CODE	NUMBER	REFERENCE NUMBER & MFR CODE	USABLE ON CODE		(A)	(B)	(C)	(D)	(A)	(B)	
					1-5	6-20	21-50	51-100	FIGURE NO.	ITEM NO.	
PAOZZ	5960-836-6273	ELECTRON TUBE 0G3-85A2 (02660)	V6	EA	4	*	*	*	*	4-1	V6
PAOZZ	5960-836-6273	ELECTRON TUBE 0G3-85A2 (02660)	V7	EA	REF	*	*	*	*	4-1	V7
PAOZZ	5960-836-6273	ELECTRON TUBE 0G3-85A2 (02660)	V307	EA	REF	*	*	*	*	4-1	V307
PAOZZ	5960-836-6273	ELECTRON TUBE 0G3-85A2 (02660)	V309	EA	REF	*	*	*	*	4-1	V309
PAOZZ	5960-755-0832	ELECTRON TUBE,CURRENT REGULATOR 9 V VOLTAGE 9-7 (70563)	V201	EA	1	*	*	*	*	4-1	V201
PAOZZ	5960-557-6883	ELECTRON TUBE 0A2 (81349)	V4	EA	3	*	*	*	*	4-1	V4
PAOZZ	5960-557-6883	ELECTRON TUBE 0A2 (81349)	V202	EA	REF	*	*	*	*	4-1	V202
PAOZZ	5960-557-6883	ELECTRON TUBE	V308	EA	REF	*	*	*	*	4-1	V308
PAOZZ	5960-166-7648	ELECTRON TUBE 0B2 (81349)	V203	EA	1	*	*	*	*	4-1	V203
PAOZZ	5960-262-0218	ELECTRON TUBE 5Y3GT (81349)	V1	EA	1	*	*	*	*	4-1	V1
PAOZZ	5960-262-0218	ELECTRON TUBE 6AQ5A (81349)	V2	FA	2	*	*	*	*	4-1	V2
PAOZZ	5960-262-0218	ELECTRON TUBE 6AQ5A (81349)	V305	EA	REF	*	*	*	*	4-1	V305
PAOZZ	5960-617-4920	ELECTRON TUBE 6AU6 (81349)	V3	EA	1	*	*	*	*	4-1	V3
PAOZZ	5960-615-4745	ELECTRON TUBE 6AW8 (81349)	V303	EA	2	*	*	*	*	4-1	V303
PAOZZ	5960-615-4745	ELECTRON TUBE 6AW8 (81349)	V306	EA	REF	*	*	*	*	4-1	V306
PAOZZ	5960-557-6780	ELECTRON TUBE 6C4 (81349)	V205	EA	1	*	*	*	*	4-1	V205
PAOZZ	5960-800-0549	ELECTRON TUBE 6DK6 (81349)	V401	EA	3	*	*	*	*	4-1	V401
PAOZZ	5960-800-0549	ELECTRON TUBE V 6DK6 (81349)	V402	EA	REF	*	*	*	*	4-1	V402
PAOZZ	5960-800-0549	ELECTRON TUBE 6DK6 (81349)	V403	EA	REF	*	*	*	*	4-1	V403
PAOZZ	5960-166-7661	ELECTRON TUBE 6X4 (81349)	V301	EA	1	*	*	*	*	4-1	V301
PAOZZ	5960-166-7663	ELECTRON TUBE 12AU7 (81349)	V5	EA	3	*	*	*	*	4-1	V5
PAOZZ	5960-166-7663	ELECTRON TUBE 12AU7 (81349)	V204	EA	REF	*	*	*	*	4-1	V204
PAOZZ	5960-166-7663	ELECTRON TUBE	V404	EA	REF	*	*	*	*	4-1	V404
PAOZZ	5960-166-7664	ELECTRON TUBE 12AX7 (81349)	V8	EA	3	*	*	*	*	4-1	V8
PAOZZ	5960-166-7664	ELECTRON TUBE 12AX7 (81349)	V206	EA	REF	*	*	*	*	4-1	V206
PAOZZ	5960-166-7664	ELECTRON TUBE 12AX7 (81349)	V304	EA	REF	*	*	*	*	4-1	V304
PAOZZ	5960-239-3052	ELECTRON TUBE 5881 (81349)	V302	EA	1	*	*	*	*	4-1	V302
PAOZZ	5920-010-6652	FUSE, CARTRIDGE 3 AMP, 250 V 312003 (75915)	F1	EA	1	*	*	*	*	SCHM	F1
PAOZZ	5355-064-1035	KNOB, NO-REF-DESIG W/SKIRT, W/O MARKINGS, 1.250 IN OD, 0.750 IN THK O/A S642-3BB (75376)		EA	1	*	*	*	*		
PAOZZ	5355-720-5087	KNOB JFX231 RD SHAPE, SETSCREW TYPE, W/POINTER, 0.843 IN OD, 0.593 THK O/A S647-3L (75376)		EA	1	*	*	*	*		
PAOZZ	5355-668-9156	KNOB NO-REF-DESIG W/POINTER S-653-3L88 (75376)		EA	1	*	*	*	*		
PAOZZ	6240-577-8456	LAMP, GLOW WIRE LEAD TYPE, W/OUT INT RESISTOR, 1/10 W, 125 VAC, 125 VDC STRIKING VOLTAGE, 0.750 IN H O/A NE2E (08108)	1103	EA	6	*	*	*	*	SCHM	1103
PAOZZ	6240-577-8456	LAMP, GLOW WIRE LEAD TYPE, W/OUT INT	1104	EA	REF	*	*	*	*	SCHM	1104
PAOZZ	6240-577-8456	LAMP, GLOW WIRE LEAD TYPE, W/OUT INT RESISTOR, 1/10 W, 125 VAC, 125 VDC STRIKING VOLTAGE, 0.750 IN H O/A NE2E (08108)	1105	EA	REF	*	*	*	*	SCHM	1105
PAOZZ	6240-577-8456	LAMP, GLOW WIRE LEAD TYPE, W/OUT INT	1106	EA	REF	*	*	*	*	SCHM	1106

SECTION III

(1)	(2)	(3)	(4)	(5)	(6)				(7)	
SMR	FEDERAL STOCK	DESCRIPTION	UNIT	INC	15-DAY ORGANIZATIONAL MAINTENANCE ALW				ILLUSTRATION	
CODE	NUMBER	REFERENCE NUMBER & MFR CODE	OF	IN	(A)	(B)	(C)	(D)	(A)	(B)
			MEAS	UNIT	1-5	6-20	21-50	51-100	FIGURE NO.	ITEM NO.
		CONTINUED								
		RESISTOR, 1/10 W, 125 VAC, 125 VDC STRIKING VOLTAGE, 0.750 IN H O/A NEZE (08108)								
PAOZZ	6240-577-8456	LAMP, GLOW WIRE LEAD TYPE, W/OUT INT RESISTOR, 1/10 W, 125 VAC, 125 VDC STRIKING NEZE (08108)	1107	EA	REF	*	*	*	SCHM	1107
PAOZZ	6240-577-8456	LAMP, GLOW WIRE LEAD TYPE W/OUT INT RESISTOR, 1/10 W, 125 VAC, 125 VDC STRIKING VOLTAGE, 0.750 IN H O/A NEZE (08108)	1108	EA	REF	*	*	*	SCHM	1108

SECTION V

INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER

CROSS-REFERENCE TO FIGURE AND ITEM NUMBER

STOCK NUMBER	FIGURE NO.	ITEM NO.	STOCK NUMBER	FIGURE NO.	ITEM NO.
5355-064-1035			5960-557-6883	SCHM	V4
5355-668-9156			5960-615-4745	4-1	V303
5355-720-5087			5960-615-4745	4-1	V306
5920-010-6652	SCHM	F1	5960-617-4920	4-1	V3
5960-166-7648	4-1	V203	5960-755-0832	4-1	V201
5960-166-7661	4-1	V301	5960-800-0549	SCHM	C402
5960-166-7663	4-1	V204	5960-800-0549	4-1	V401
5960-166-7663	4-1	V404	5960-800-0549	4-1	V403
5960-166-7663	4-1	V5	5960-836-6273	4-1	V307
5960-166-7664	4-1	V206	5960-836-6273	4-1	V309
5960-166-7664	4-1	V304	5960-836-6273	4-1	V6
5960-166-7664	4-1	V8	5960-836-6273	4-1	V7
5960-239-3052	4-1	V302	6240-577-8456	SCHM	1103
5960-262-0218	4-1	V305	6240-577-8456	SCHM	1104
5960-262-0218	4-1	V1	6240-577-8456	SCHM	1105
5960-262-0218	4-1	V2	6240-577-8456	SCHM	1106
5960-557-6780	4-1	V205	6240-577-8456	SCHM	1107
5960-557-6883	4-1	V202	6240-577-8456	SCHM	1108
5960-557-6883	4-1	V308			

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
NE2E	08108	SCHM	1103	12AU7	81349	4-1	V404
NE2E	08108	SCHM	1104	12AX7	81349	SCHM	V8
NE2E	08108	SCHM	1105	12AX7	81349	4-1	V206
NE2E	08108	SCHM	1105	12AX7	81349	4-1	V206
NE2E	08108	SCHM	1106	12AX7	81349	4-1	V304
NE2E	08108	SCHM	1107	312003	75915	SCHM	F1
NE2E	08108	SCHM	1108	5Y3GT	81349	4-1	V1
OA2	81349	SCHM	V408	5881	81349	4-1	V302
OA2	81349	4-1	V202	6AQ5A	81349	4-1	V2
OA2	81349	4-1	V308	6AQ5A	81349	4-1	V305
OB2	81349	4-1	V203	6AU6	81349	4-1	V3
S642-3BB	75376			6AW8	81349	4-1	V303
S647-3L	75376			6AW8	81349	4-1	V306
S653-3LBB	75376			6C4	81349	4-1	V205
OG3-85A2	02660	4-1	V6	6DK6	81349	SCHM	C402
OG3-85A2	02660	4-1	V7	6DK6	81349	4-1	V401
OG3-85A2	02660	4-1	V307	6DK6	81349	4-1	V403
OG3-85A2	02660	4-1	V309	6X4	81349	4-1	V301
12AU7	81349	4-1	V5	7-Sep	70563	4-1	V201
12AU7	81349	4-1	V204				

By Order of the Secretary of the Army:

CREIGHTON W. ABRAMS  
*General, United States Army*  
*Chief of Staff*

Official:

VERNE L. BOWERS

*Major General, United States Army*  
*The Adjutant General*

Distribution:

To be distributed in accordance with DA Form 12-36, Direct and General Support maintenance requirements for AN/AKT-18, AN/APS-94, AN/ASW-12 and AN/TKQ-1.