

# DEPARTMENT OF THE ARMY TECHNICAL MANUAL

## ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS AMPLIFIERS, RADIO FREQUENCY AM-1881/U (FSN 5840-092-7924) AND AM-3026/U (FSN 5820-809-5395)

Headquarters, Department of the Army, Washington, D.C.  
29 November 1974

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# SECTION I INTRODUCTION

## 1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the AM-18881/U and AM-3026/U. The PCCN for the equipment is GTEAGD for all models.

### NOTE

The AM-3026U is identical to the AM-1881/U, except that the AM-3026U is rack mounted.

## 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
P A -	Item procured and stocked for anticipated or known usage.
P B -	Item procured and stocked for insurance purposes because essentiality dictates that a minimum quantity be available in the supply systems.
P C -	Item procured and stocked and which otherwise would be coded PA except that it is deteriorative in nature.

Code	Explanation
P D -	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.
PE -	Support equipment procured and stocked for initial issue or outfitting to specified maintenance repair activities.
P F -	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.
K F -	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.
K B -	Item included in both a depot overhaul/repair kit and a maintenance kit.
MO -	Item to be manufactured or fabricated at organizational level.
M F -	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.
A F -	Item to be assembled at direct support maintenance level.
A H -	Item to be assembled at general support maintenance level.
A D -	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.

Code	Explanation
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.

Code	Application/Explanation
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 -

Code	Application/Explanation
O	- The lowest maintenance level capable of complete repair of the support item is the organizational level.

Code	Application/Explanation
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 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 -

Code	Explanation
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.

#### NOTE

To convert a Federal stock number to a National stock number (NSN), add "00"

after the Federal Stock Classification (FSC) code (first four digits). For example, FSN 6625-553-0142 and when converted is NSN 6625-00-553-0142.

*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-CRA, Fort Monmouth, NJ., 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 11-6625-353-12.

(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 -

Code	Used on
BQQ	AM-1881U and AM-3026/U

b. The following publication pertains to the equipment and its components:

TM 11-6625-353-12      Operator's and Organizational Maintenance Manual: Amplifiers, Radio Frequency AM-1881/U and AM-3026/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 (see 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 Blank Forms) and forwarded direct to

Commander, US Army Electronics Command,  
ATTN: AMSEL-MA-CRA, Fort Monmouth, NJ,  
07703.

TM11-6625-353-20P											
SECTION III											
(1)	(2)	(3)		(4)	(5)	(6)				(7)	
SMR	FEDERAL	DESCRIPTION		UNIT	QTY	15-DAY ORGANIZATIONAL				ILLUSTRATION	
CODE	STOCK	REFERENCE NUMBER & MFR CODE	USABLE ON CODE	OF	INC	MAINTENANCE ALW				(A)	(B)
	NUMBER			MEAS	IN	(A)	(B)	(C)	(D)	FIGURE	ITEM
					UNIT	1-5	6-20	21-50	51-100	NO	NO
		GROUP 0001 AMPLIFIER, RADIO FREQUENCY									
XDOZZ		AM-1881/U		EA	1	*	*	*	*	5	
		CAP,ELECTRICAL NO-REF-DESIG FOR FUSEHOLDER									
PAOZZ	5935-636-7145	342003SA (75915)		EA	1	*	*	*	*	5	P1
		CONNECTOR, PLUG, ELECTRICAL POWER CORD									
PAOZZ	5960-503-4880	UP121M (81349)	V7	EA	1	*	*	*	*	2	V7
		ELECTRON TUBE									
PAOZZ	5960-262-0218	QA2 (81349)	V4	EA	1	*	*	*	*	2	V4
		ELECTRON TUBE									
PAOZZ	5960-262-0151	5Y3GT (81349)	V5	EA	1	*	*	*	*	2	V5
		ELECTRON TUBE									
PAOZZ	5960-188-0873	6AU5GT (81349)	V6	EA	1	*	*	*	*	2	V6
		ELECTRON TUBE									
PAOZZ	5960-262-1357	6AV6 (81349)	V1	EA	3	*	*	*	*	2	V1
		ELECTRON TUBE									
PAOZZ	5960-262-1357	5654 (81349)	V2	EA	REF	*	*	*	*	2	V2
		ELECTRON TUBE									
PAOZZ	5960-262-1357	5654 (81349)	V3	EA	REF	*	*	*	*	2	V3
		ELECTRON TUBE									
XDOZZ		5654 (81349)		EA	1	*	*	*	*	2	F1
		FUSE, CARTRIDGE F1 0.8 AMP, 125 V									
PAOZZ	6240-155-8706	313-800 (75915)	DS1	EA	1	*	*	*	*	2	DS1
		LAMP, INCANDESCENT									
		MS15571-TB14 (81349)									
XDOZZ		SHIELD, ELECTRON TUBE		EA	1	*	*	*	*	8	
		FOR V6 1 3/4 IN LG X 55/64 IN DIA									
PAOZZ	5960-686-8119	SFJAX21 (82389)		EA	3	*	*	*	*	8	
		SHIELD, ELECTRON TUBE FOR V1,V2									
		AND V3 1 3/8 IN LG X 13/16 IN DIA									
XDOZZ		2J1331 (82389)	V7	EA	1	*	*	*	*	8	
		SHIELD, ELECTRON TUBE FOR									
		2 1/4 IN LG X 1 IN DIA									
		60 (82398)									

SECTION V

INDEX - FEDERAL STOCK NUMBER AND REFERENCE NUMBER  
CROSS-REFERENCE TO FIGURE AND ITEM NUMBER

		FIGURE	ITEM			FIGURE	ITEM
NO		NO	NO	STOCK	NUMBER	NO	NO
				5960-262-1357		2	V1
				5960-262-1357		2	V2
				5960-262-1357		2	V3
5935-636-7145		5	P1	5960-262-1357		2	V7
5960-188-0873		2	V6	5960-503-4880		8	
				5960-686-8119			
5960-262-0151		2	V5			2	DS1
5960-262-0218		2	V4	6240-155-8706			
REFERENCE	MFG	FIG	ITEM	REFERENCE	MFG	FIG	ITEM
NO	CODE	NO	NO	NO	CODE	NO	NO
MS15571-2TB14	81349	2	DS1	5Y3GT	81349	2	V4
SFJAX21	82389	8		5654	81349	2	V1
UP121M	81349	5	P1	5654	81349	2	V2
OA2	81349	2	V7	5654	81349	2	V3
2J1331	82389	8		6AU5GT	81349	2	V5
313-800	75915	2	F1	6AV6	81349	2	V6
342003SA	75915	5		60	82389	8	

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7  
11-16  
11-98  
11-55  
11-56  
11-57  
11-117  
11-500(AA-AC)  
17  
29-1  
29-15  
29-16  
29-21  
29-25  
29-26  
29-35  
29-36  
37

NG: State AG (3); Units - Same as Active Army.

USAR: None

For explanation of abbreviations used, see AR 310-50.

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