

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE
REPAIR PARTS AND SPECIAL TOOLS LISTS (INCLUDING
DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)
INVERTER-VIBRATOR PP-1703/U
FSN 6130469-1207

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

Current as of 13 September 1974

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*This manual supersedes TM11-6125-236-35P, 8 June 1964.

SECTION I INTRODUCTION

1-1. Scope

This manual lists repair parts and special tools required for the performance of direct support, general support, and depot maintenance of the PP-1703/U. The PCCN for the PP-1703/U is GTBASS for all models.

1-2. GENERAL

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

a. *Repair Parts List - Section II.* A list of repair parts authorized for the performance of maintenance at the direct support, general support, and depot level. This repair parts list is arranged in alphabetical order.

b. *Special Tools, Test and Support Equipment - Section III.* Not applicable.

c. *Index - Federal Stock Number and Reference Number Cross-Reference to Figure and Item Number - Section IV.* A list, in ascending numerical sequence, of all Federal stock numbers appearing in the listings, followed by a list, in alphabetic 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 found in the tabular list.

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.

Code	Explanation
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.
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.

<i>Code</i>	<i>Explanation</i>
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 items 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 or-organization 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 serve(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 organization 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 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. *30-Day DS/GS Maintenance Allowances.*

NOTE

Allowances in GS column are for GS maintenance only.

(1) The repair parts indicated by asterisk entries in separate allowance columns for DS and GS represent those authorized for use at that category of maintenance to be requisitioned on an "as required" basis, until stockage is based on demand in accordance with AR 710-2

(2) *Allowance* quantities are indicated in the special tool lists section for special tools, TMDE, and other support equipment

g. *1-year Allowances Per 100 Equipments/Contingency Planning Purposes.* Column intentionally left blank.

h. *Depot Maintenance Allowance Per 100 Equipments.* This column indicates opposite the first appearance of each item the total quantity authorized for depot maintenance of 100 equipments.

i. *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 11-6125-238-35.

(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
A7D	PP-1703/U

b. The following publications pertain to the PP-1703/U and its components:

TM 11-6125-238-12	Operator and Organizational Maintenance Manual: Inverter, Vibrator PP-1703/U.
TM 11-6125-238-20P	Organizational Maintenance Repair Parts and Special Tools Lists: Inverter-Vibrator PP-1703/U.
TM 11-6125-238-35	Field and Depot Maintenance Manual: Inverter, Vibrator PP-1703/U.

1-5. Location of Repair Parts

a. This manual contains one cross-reference index (see IV) 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 IV) 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 II) and locate the figure number (col 10a) and item number or reference designation (col 10b as noted in the FSN index).

c. When the figure and item number or reference designation are known, scrutinize columns 10a and 10b of the repair parts list (sec II) 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 (see II), which is arranged in alphabetical order.

1-6. Abbreviations

Not applicable.

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

The reporting of errors, omissions, and recommenda-

tions 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.

SECTION II																		
(1)	(2)	(3)	(4)	(5)	(6)			(7)			(8)	(9)	(10)					
		DESCRIPTION		UNIT	QTY	INC	30-DAY DS	MAINT		30-DAY GS	MAINT		1-YR	DEPOT	ILLUSTRATION			
SMR	FEDERAL			OF	IN	IN	ALLOWANCE	(A)	(B)	(C)	ALLOWANCE	(A)	(B)	(C)	100	ALW PER	(A)	(B)
CODE	STOCK	REFERENCE NUMBER & MFR CODE	USABLE ON CODE	MEAS	UNIT	UNIT	(A)	(B)	(C)	(A)	(B)	(C)	EQUIP	MAINT	EQUIP	100	FIGURE	ITEM
	NUMBER						1-20	21-50	51-100	1-20	21-50	51-100	CNTGCT	EQUIP			NO	NO
XDFZZ		BUMPER, RUBBER NO-REF-DESIG BLACK 2-1/4 IN. LG X 1/2 IN. W X 1/8 IN. THK P27220 (16783)		EA	2		*	*	*	*	*	*			10			
XDFZZ		BUMPER, RUBBER NO-REF-DESIG BLACK 4-1/2 IN. LG X 3/8 IN. W X 1/8 IN. THK P27219 (16783)		EA	1		*	*	*	*	*	*			10			
PAFZZ	5975-273-0788	BUSHING, STRAIN RELIEF, CABLE NO-REF DESIG PLASTIC SR6P3 (28520)		EA	1		*	*	*	*	*	*			3			
PAFZZ	6145-734-4554	CABLE, POWER, ELECTRIC NO-REF-DESIG 2 COND C0-02MGE2-14-0386 (81349)		FT	8		*	*	*	*	*	*			5			
PAOZZ	5999-583-5057	CAP, ELECTRICAL NO-REF-DESIG 342003SA2 (75915)		EA	1		*	*	*	*	*	*			3			
PAFZZ	5910-707-0321	CAPACITOR, FIXED, PAPER DIELECTRIC 47,000 UUF PORM10PCT 200 VDC CP10A3KC473K (81349)	C7	EA	1		*	*	*	*	*	*			3		2	C7
PAFZZ	5910-112-7249	CAPACITOR, FIXED, PAPER DIELECTRIC 50,000 UUF PORM20PCT 600 V CP5384EF503V1 (81349)	C10A	EA	1		*	*	*	*	*	*			3		2	C10A
PAFZZ	5910-112-7249	CAPACITOR, FIXED, PAPER DIELECTRIC 50,000 UUF PORM20PCT 600 V CP5384EF503V1 (81349)	C10B	EA	REF		*	*	*	*	*	*			3		2	C10B
XAFZZ		CAPACITOR, FIXED, PAPER DIELECTIRC 100,000 UUF PORM10PCT 200 V CP10A1KC104K1 (81349)	C5	EA	2		*	*	*	*	*	*			3		2	C5
XDFZZ		CAPACITOR, FIXED, PAPER DIELECTRIC 100,000 UUF PORM10PCT 200 V CP10A1KC104K1 (81349)	C6	EA	REF		*	*	*	*	*	*			3		2	C6
PAFZZ	5910-644-0514	CAPACITOR, FIXED, PAPER DIELECTRIC 470,000 UUF PORM10PCT 200 V CP10A1KC474K1 (81349)	C3	EA	2		*	*	*	*	*	*			3		2	C3
PAFZZ	5910-644-0514	CAPACITOR, FIXED, PAPER DIELECTRIC 470,000 UUF PORM10PCT 200 V CP10A1KC474K1 (81349)	C4	EA	REF		*	*	*	*	*	*			3		2	C4
XDFZZ		CAPACITOR, FIXED, PAPER DIELECTRIC 470,000 UUF PORM10PCT 200 V CP04A3KC474K (81349)	C2	EA	1		*	*	*	*	*	*			3		2	C2
XDFZZ		CAPACITOR, FIXED, PAPER DIELECTRIC 470,000 UUF PORM10PCT 200 V DC CP10A3KC474K (81349)	C1	EA	1		*	*	*	*	*	*			3		2	C1
PAFZZ	5905-080-6833	CAPACITOR, FIXED, PAPER DIELECTRIC C8 2 UF PORM10PCT CP53B1EC205K (81349)		EA	1		*	*	*	*	*	*			3		2	C8
PAFZZ	5910-161-1635	CAPACITOR, FIXED, PAPER DIELECTRIC C9 4 UF PORM10PCT 600 V DC CP70B1EF405K (81349)		EA	1		*	*	*	*	*	*			3		2	C9
XDOZZ		CLIP, ELECTRICAL NO-REF-DESIG BATTERY TYPE 1.140 IN. X 2.610 IN. X 0.633 IN. 24C (76545)		EA	2		*	*	*	*	*	*			3			
XDFZZ		COIL, RADIO FREQUENCY L1 17 TOROIDAL CONTINUED		EA	2		*	*	*	*	*	*			3		2	L1

(1)	(2)	(3)		(5)	(6)	(7)	(8)	(9)	(10)		
SMR	FEDERAL	DESCRIPTION		UNIT	QTY	30-DAY DS MAINT	30-DAY GS MAINT	1-YR	DEPOT	ILLUSTRATION	
CODE	STOCK			OF	INC	ALLOWANCE	ALLOWANCE	ALW PER	MAINT	(A)	(B)
	NUMBER	REFERENCE NUMBER & MFR CODE	USABLE ON CODE	MEAS	IN	(A)	(B)	(C)	(A)	(B)	(C)
					UNIT	1-20	21-50	51-100	1-20	21-50	51-100
		CONTINUED									
		WOUND TYPE 16 MH 1.21 IN. X 0.585									
		IN. H									
XDFZZ		PA6102 (16783)		EA	REF	*	*	*	*	*	*
		COIL, RADIO FREQUENCY L2 17 TOROIDAL									
		WOUND TYPE 16 MH 1.21 IN. DIA X 0.585									
		IN. H									
PAFZZ	5935-644-6735	PA6102 (16783)		EA	1	*	*	*	*	*	*
		CONNECTOR, RECEPTACLE, ELECTRICAL J1 2									
		COND									
		7332 (74545)									
XDFZZ		FUSE, CARTRIDGE F1 7-1/2 AMP 250 V		EA	1	*	*	*	*	*	*
		AGC71-2 (71400)									
XDFZZ		FUSEHOLDER	XF1	EA	1	*	*	*	*	*	*
		342003 (75915)									
PAFZZ	5970-960-8862	INSULATOR, BUSHING NO-REF-DESIG 0.540		EA	1	*	*	*	*	*	*
		IN. OD X 0.225 IN. THK RUBBER									
		P27000 (16783)									
PAFZZ	5975-988-0649	INSULATOR, CLIP NO-REF-DESIG RUBBER 4		EA	2	*	*	*	*	*	*
		IN. LG X 1 IN. ID									
		26 (76545)									
PAFZZ	5970-960-8861	INSULATOR, STANDOFF NO-REF-DESIG		EA	2	*	*	*	*	*	*
		CERAMIC 0.330 IN. DIA X 0.550 IN. LG									
		P29484 (16783)									
PAFZZ	5355-958-2101	KNOB SET SCREW TYPE W/POINTER 1.630		EA	1	*	*	*	*	*	*
		IN. ACROSS FLATS X 1 IN. THK									
		P26222 (16783)									
XDFZZ		RESISTOR, FIXED, COMPOSITION R1 47 OHM		EA	1	*	*	*	*	*	*
		PORM10PCT 1 W									
		RC32GF470K (81349)									
PAFZZ	5305-889-3162	SCREW, EXTERNALLY RELIEVED BODY NO-REF		EA	4	*	*	*	*	*	*
		DESIG STEEL									
		P16568 (16783)									
PCHZZ	6125-961-4293	SEAL, RUBBER, SPECIAL SHAPED SECTION NO-		EA	1				*	*	*
		REF-DESIG 10-3/16 IN. LG									
		P27223 (16783)									
XDFZZ		SOCKET, PLUG-IN ELECTRONIC COMPONENTS X1		EA	1	*	*	*	*	*	*
		6 PIN 0.420 IN. H X 1.250 IN. DIA									
		49RSS6 (02660)									
PAFZZ	5930-966-6027	SWITCH, ROTARY 52 4 POSITION 1 POLE 1		EA	1	*	*	*	*	*	*
		25/64 IN. X 1-25/64 IN. X 1-3/8 IN.									
		PA6105 (16783)									
PAFZZ	5930-655-1514	SWITCH, TOGGLE	S1	EA	1	*	*	*	*	*	*
		MS35058-22 (96906)									
PAFZZ	5950-961-4278	TRANSFORMER, POWER, VIBRATOR T1 INPUT 24		EA	1	*	*	*	*	*	*
		TO 30 V DC OUTPUT 115 V AC, 60 CYC 6-1/2									
		IN. H X 5 IN. D X 3-1/2 IN. W									
		PA6100 (16783)									
PAOZZ	6130-961-4294	VIBRATOR, INTERRUPTER G1 24 V DC. 4 AMP		EA	1	*	*	*	*	*	*
		SINGLE REED 5-3/16 IN. LG X 2-1/8 IN. W X									
		2-1/2 IN. H									
		PA6101 (16783)									

SECTION IV

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

NOTE: LATEST FEDERAL STOCK NUMBER ASSIGNMENTS ARE INCLUDED AT END OF INDEX

STOCK NUMBER	FIGURE NO	ITEM NO	STOCK NUMBER	FIGURE NO	ITEM NO
5305-889-3162			5930-655-1514	2	S1
5355-958-2101			5930-966-6027	1	S2
5905-080-6833	2	C8	5935-644-6735	1	J1
5910-112-7249	2	C10A			
5910-112-7249	2	C10B			
5910-161-1635	2	C9			
5910-644-0514	2	C3	5950-961-4278		T1
5910-644-0514	2	C4	5970-960-8861		
			5970-960-8862		
			5975-073-0788		
5910-727-0321	2	C7	6125-961-4293		
			6130-961-4294	1	G1
			6145-734-4554		

REFERENCE NO	MFG CODE	FIG NO	ITEM NO	REFERENCE NO	MFG CODE	FIG NO	ITEM NO
AGC71-2	71400	2	F1	PA6102	16783	2	L2
CP04A3KC474K	81349	2	C2	PA6105	16783	1	S2
CP10A1KC104K1	81349	2	C5	P16568	16783		
CP10A1KC104K1	81349	2	C6	P26222	16783		
CP10A1KC474K1	81349	2	C3	P27000	16783		
CP10A1KC474K1	81349	2	C4	P27219	16783		
CP10A3KC473K	81349	2	C7	P27220	16783		
CP10A3KC474K	81349	2	C1	P27223	16783		
CP5381EC205K	81349	2	C8	P29484	16783		
CP5384EF503V1	81349	2	C10A	RC32GF470K	81349	2	R1
CP5384EF503V1	81349	2	C10B	SR6P3	28580		
CP70B1EF405K	81349	2	C9	24C	76545		
C0-02MGE2-14-0386	81349			26	76545		
MS35058-22	96906	2	S1	342003	75915		XF1
PA6100	16783		T1	342003SA2	75915		
PA6101	16783	1	G1	49RSS4	02660		X1
PA6102	16783	2	L1	7332	74545	1	J1

LATEST FEDERAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.
5975-988-0649		
5999-583-5057		

By Order of the Secretary of the Army:

FRED C. WEYAND
General, *United States Army*
Chief of Staff

Official:
VERNE L. BOWERS
Major General, *United States Army*
The Adjutant General

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COE (1)
TSG (1)
USAAENBD (1)
USAMB (10)
AMC (1)
MICOM (2)
TECOM (2)
TRADOC (2)
ARADCOM (2)
ARADCOM Rgn (2)
OS Maj Comd (4)
LOGCOMD (3)
USACC (4)
MDW (1)
Armies (2)
Corps (2)
Ft Gordon (10)
Ft Huachuca (10)
Ft Carson (5)
Ft Richardson (ECOM Ofc) (2)
WSMR (1)
HISA (Ft Monmouth) (18)
USASESS (5)
USAINTCS (3)
USAADS (2)

USAFAS (2)
USAARMS (2)
USAIS (2)
USAES (2)
AD (1) except
SAAD (30)
LBAD (14)
TOAD (14)
ATAD (10)
USA Dep (2)
Sig Sec USA Dep (2)
Sig Dep (2)
ATS (1)
MAAG (1)
WRAMC (1)
USARMIS (1)
USAERDAA (1)
USAERDAW (1)
Sig FLDMS (1)
Units org under fol TOE: 1 ea.
11-16
11-97
11-98
11-117
11-302
11-500 (AA-AC)
29-134
29-136

ARNG: State AG (3); Units—Same as Active Army.

USAR: None.

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

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