

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS LISTS
SIGNAL GENERATORS SG-15/PCM (FSN 6625-229-1087)
AND SG-15A/IPCM (FSN 6625-649-5194)

Headquarters, Department of the Army, Washington, D.C.
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*This manual supersedes TM 11-6625-250-20P, 19 September 1961.

SECTION I INTRODUCTION

1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the SG-15/PCM and SG-15A/PCM. The PCCN for the equipment is GTEAYDT 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 -

<i>Code</i>	<i>Explanation</i>
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.
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.

<i>Code</i>	<i>Explanation</i>
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.

<i>Code</i>	<i>Application/Explanation</i>
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.

NOTE

For requisitioning purposes, the Federal stock number must be converted to the National stock number by adding "-00-" after the Federal stock classification (FSC) code (first four digits). For example, FSN "6625-553-0142 converts to 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 (UIM).* 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 11-6625-251-15

(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>
A9N	SG-15/PCM
A90	SG-15/PCM

b. The following publication pertains to the equipment and its components: TM 11-6625-251-15 Organizational, DS, GS, and Depot Maintenance Manual: Test Set TS-140/PCM; Signal Generator SG-15/PCM and SG-15A/PCM; and Decibel Meter ME- 22/PCM and ME-22A/ PCM.

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 (see 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: AMSELMA-TMDE, Fort Monmouth, NJ 07703.

SECTION III

TM 11-5805-747-12-5-1* 11-6625-250-20P

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION USABLE ON CODE REF NUMBER & MFR CODE	(4) UNIT OF MEAS	(5) QTY INC IN UNIT	(6) 15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7) ILLUS- TRATION	
					(a)	(b)	(c)	(d)	(a)	(b)
					1-5	6-20	21-50	51-100	FIG NO.	ITEM NO.
XDOZZ		CAP, ELECTRICAL NO-REF-DESIG 9327 (71400).....A9N	EA	1	*	*	*	*	3-1	
XDOZZ		CAP ELECTRICAL XFA1 92261-2 (714001).....A90	EA	1	*	*	*	*	3-1	XFA1
PAOZZ	5935-149-4013	CONNECTOR, PLUG P1 STYLE NO.....438 FIG 7 WR151A (81348)	EA	1	*	*	*	*	10-4	P1
PAOZZ	6625-184-2910	CORD ASSEMBLY, ELECTRICAL W2 SCC86179 (80063)	EA	2	*	*	*	*		W2
PAOZZ	5960-188-0968	ELECTRON TUBE V11..... OC3W (81349)	EA	1	*	*	*	*	7-1	V11
PAOZZ	5960-262-0218	ELECTRON TUBE V13..... 5Y3WGTA (81349)	EA	1	*	*	*	*	7-1	V13
PAOZZ	5960-228-3765	ELECTRON TUBE V1..... 6J5WGT (81349).....A9N	EA	3	*	*	*	*	7-1	V1
PAOZZ	5960-228-3765	ELECTRON TUBE V2..... 6J5WGT (81349).....A9N	EA	REF	*	*	*	*	7-14	V2
PAOZZ	5960-228-3765	ELECTRON TUBE V3..... 6J5WGT (81349).....A9N	EA	REF	*	*	*	*	7-1	V3
PAOZZ	5960-228-3765	ELECTRON TUBE V2..... 6J5WGT (81349).....A90	EA	2	*	*	*	*	7-11	V2
PAOZZ	5960-228-3765	ELECTRON TUBE V3..... 6J5WGT (81349).....A90	EA	REF	*	*	*	*	7-1	V3
PAOZZ	5960-262-0161	ELECTRON TUBE V12..... 6L6 (81349)	EA	1	*	*	*	*	7-1	V12
PAOZZ	5960-166-7656	ELECTRON TUBE V9..... 6SA7Y (81349)	EA	1	*	*	*	*	7-1	V9
XDOZZ		ELECTRON TUBE V7..... 6SJ7WGT (81349)	EA	2	*	*	*	*	7-1	V7
XDOZZ		ELECTRON TUBE V8..... 6SJ7WGT (81349)*	EA	REF	*	*	*	*	7-1	V8
PAOZZ	5960-188-0883	ELECTRON TUBE V4..... 6SL7WGT (81349)	EA	1	*	*	*	*	7-1	V4
XDCZZ		ELECTRON TUBE V1..... 6SN7WGT (81349).....A90	EA	1	*	*	*	*	7-11	V1
PAOZZ	5960-100-5273	ELECTRON TUBE V10..... 6SQ7 (81349)	EA	1	*	*	*	*	7-1	V10
PAOZZ	5960-114-3809	ELECTRON TUBE V5..... 6V6Y (81349)	EA	2	*	*	*	*	7-1	V5
PAOZZ	5960-114-3809	ELECTRON TUBE V6..... 6V6Y (81349)	EA	REF	*	*	*	*	T-1	V6
PAOZZ		FUSE CARTRIDGE F1 417002 (75915).....A9N	EA	1	*	*	*	*	3-1	F1
PAOZZ	5920-280-4960	FUSE, CARTRIDGE F1 F02G2RU00A (81349).....A90	EA	1	*	*	*	*	3-1	F1
PAOZZ	5355-160-6099	KNOB 09..... S311-64BBL (75376)	EA	1	*	*	*	*	3-1	09
PAOZZ	5355-667-5895	KNOB 010..... A9121 (14237)	EA	1	*	*	*	*	3-1	010
PAOZZ	5355-284-5175	KNOB 011..... S308-64DDBBDL (75376)	EA	1	*	*	*	*	3-1	011
PAOZZ	6240-155-8706	LAMP, INCANDESCENT E5..... MS155712 (96906).....A9N	EA	1	*	*	*	*	3-1	E5
PAOZZ	6210-509-9924	LENS, INDICATOR LIGHT X11 05579-31 (72619)	EA	1	*	*	*	*	3-1	X11
XDOZZ		LIGHT INDICATOR I1..... 95410 (72619)	EA	1	*	*	*	*	7-2	I1
XDOZZ		LAMP, INCANDESCENT E5..... MS155731 (96906).....A90	EA	1	*	*	*	*	3-1	E5

**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.
5355-284-5175	3-1	011			
5355-667-6895	3-1	010			
			5960-228-3765	7-1	V3
			5960-228-3765	7-1	V3
5920-280-4960	3-1	F1	5960-228-3765	7-11	V2
			5960-228-3765	7-14	V2
5935-149-4013	10-4	P1	5960-262-0161	7-1	V12
5960-100-5273	7-1	V10	5960-262-0218	7-1	V13
5960-114-3809	7-1	V5			
5960-114-3809	7-1	V6	6210-509-9924	3-1	XI1
5960-166-7656	7-1	V9			
5960-188-0883	7-1	V4	6240-155-8706	3-1	E5
5960-188-0968	7-1	V11	6625-184-2910		W2

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
A9121	14237	3-1	010	6J5WGT	81349	7-11	V2
C5579-31	72619	3-1	XI1	6J5WGT	81349	7-14	V2
F02G2R00A	81349	3-1	F1	6L6	81349	7-1	V12
MS155712	96906	3-1	E5	6SA7Y	81349	7-1	V9
MS155731	96906	3-1	E5	6SJ7WGT	81349	7-1	V7
SCC86179	80063		W2	6SJ7WGT	81349	7-1	V8
S308-64DDBBDL	75376	3-1	011	6SL7WGT	81349	7-1	V4
S311-64BBL	75376	3-1	09	6SN7WGT	81349	7-11	V1
WR151A	81348	10-4	P1	6SQ7	81349	7-1	V10
OC3W	81349	7-1	V11	6V6Y	81349	7-1	V5
417002	75915	3-1	F1	6V6Y	81349	7-1	V6
5Y3WGTA	81349	7-1	V13	92261-2	71400	3-1	XFA1
6J5WGT	81349	7-1	V1	9327	71400	3-1	
6J5WGT	81349	7-1	V3	95410	72619	7-2	11

LATEST FEDERAL STOCK NUMBER ASSIGNMENTS

STOCK NUMBER	FIGURE NO.	ITEM NO.
5355-160-6099	3-1	09

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USAMB (10)	TOAD (14)
AMC (1)	USA Dep (2)
TRADOC (2)	Sig Sec USA Dep (2)
ARADCOM (2)	Sig Dep (2)
ARADCOM Rgn (2)	Sig FLDMS (1)
OS Maj Comd (4)	USAERDAA (1)
LOGCOMDS (3)	USAERDAW (1)
MICOM (2)	MAAG (1)
TECOM (2)	USARMIS (1)
USACC (4)	Units org under fol TOE:
MDW (1)	(1 copy each unit)
Armies (2)	7
Corps (2)	11-15
HISA (Ft Monmouth) (18)	11-16
Svc Colleges (1)	11-18
USASESS (5)	11-38
USAADS (2)	11-85
USAFAS (2)	11-97
USAARMS (2)	11-98
USAIS (2)	11-117
USAES (2)	11-237
USAINTCS (3)	11-500(AA-AC)
WRAMC (1)	17
ATS (1)	29-56
Ft Gordon (10)	32-67
Ft Huachuca (10)	39-51
WSMR (1)	57

NG: None

USAR: None

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

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