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DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
AND SPECIAL TOOLS LISTS  
TRANSMISSION MEASURING SETS  
TS-559A/FT, TS-559B/FT, TS-559C/FT, AND TS-559D/FT  
FSN 6625-540-9051

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Headquarters, Department of the Army, Washington, D.C.  
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\*This manual supersedes TM 11-6625-356-20P, 18 July 1961.

**SECTION I  
INTRODUCTION**

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**1-1. Scope**

This manual lists repair parts and special tools required for the performance of organizational maintenance of the TS-559A/FT, TS-559B/FT, TS-559C/ft, and TS-559D/FT. The PCCN for the equipment is GCMACU 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 source for the listed items. Source codes are-

<i>Code</i>	<i>Explanation</i>
P-	Repair parts, special tools and test equipment supplied from the GSA/DSA or Army supply system and authorized for use at indicated maintenance categories.
P2-	Repair parts, special tools and test equipment "which are procured and stocked for insurance purposes because the combat or military essentiality of the end item dictates that a minimum quantity be available in the supply system.

<i>Code</i>	<i>Explanation</i>
P9-	Assigned to items which are NSA design controlled: unique repair parts, special tools, test, measuring, and diagnostic equipment which are stocked and supplied by the Army COSMIC Logistic System and which are not subject to the provisions of AR 380-41.
P10-	Assigned to items which are NSA design controlled: special tools, test, measuring, and diagnostic equipment for COMSEC support, which are accountable under the provisions of AR 380-41 and were stocked and supplied by the Army COMSEC Logistic System.
M-	Repair parts, special tools and test equipment which are not procured or stocked as such in the supply system but are to be manufactured at indicated maintenance levels.
A-	Assemblies which are not procured or stocked as such, but are made up of two or more units. Such component units carry individual stock numbers and descriptions, are procured and stocked separately, and can be assembled to form the required assembly at indicated maintenance categories.
X-	Parts and assemblies that are not procured or stocked because the failure rate is normally below that of the applicable end item or component. The failure of such part or assembly should result in retirement of the end item from the supply system.
X1-	Repair parts which are not procured or stocked. The requirement for such items will be filled by the next higher assembly or component.
X2-	Repair parts, special tools and test equipment which are not stocked and have no foreseen mortality. The indicated maintenance category requiring such repair parts will attempt to obtain the parts through cannibalization or salvage. The item may be requisitioned, with exception data, from the end item manager for immediate use.
G-	Major assemblies that are procured with PEMA funds for initial issue only as exchange assemblies at DS and GS level. These assemblies will not be stocked above DS and GS level or returned to depot supply level.

**NOTE**

**Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded X1 and air-craft support items as restricted by AR 700-42.**

(2) Maintenance code. Indicates the lowest category of maintenance authorized to install the listed item. The maintenance level code is-

Code	Explanation
C.....	Crew/operator
O.....	Organizational maintenance

(3) Recoverability code. Indicates whether unserviceable items should be returned for recovery or salvage. Items not coded are expendable. Recoverability codes are-

Code	Explanation
R-	Repair parts (assemblies and components), special tools and test equipment which are considered economically repairable at direct and general support maintenance levels. When the item is no longer economically repairable, it is normally disposed of at the GS level. When supply considerations dictate, some of these repair parts may be listed for automatic return to supply for depot level repair as set forth in AR 710-1. When so listed, they will be replaced by supply on an exchange basis.
S-	Repair parts, special tools and test equipment, and assemblies which are economically repairable at DS and GS activities and which normally are furnished by supply on an exchange basis. When items are determined by a GSU to be uneconomically repairable, they will be evacuated to a depot for evaluation and analysis before final disposition.
T-	High dollar value recoverable repair parts, special tools and test equipment which are subject to special handling and are issued on an exchange basis. Such items will be repaired or overhauled at depot maintenance activities only. No repair may be accomplished at lower levels.
U-	Repair parts, special tools and test equipment specifically selected for salvage by reclamation units because of precious metal content, critical materials, high dollar value, or reusable casings or castings.

*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 or 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-CW, 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 11-6625-356-12.

(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-

<i>Code</i>	<i>Used on</i>
AQK	TS-559A/FT
AQL	TS-559B/FT
AQM	TS-559C/FT
AT7	TS-559D/FT

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

TM 11-6625-356-12	Operator and Organizational Maintenance Manual: Transmission Measuring Sets TS-559A/FT, TS-559B/FT, TS-559C/FT, and TS-559D/FT.
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**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 numbers.

b. When the Federal stock number of 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 of reference

number. The FSN and reference number are cross-referenced to the applicable figure and item number of 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-CW, Fort Monmouth, N.J., 07703.

**(Next printed page is 6)**

SECTION III

(1)  SMR CODE	(2)  FEDERAL STOCK NUMBER	(3)  DESCRIPTION  REFERENCE NUMBER & MFR CODE      USABLE ON CODE		(4)  UNIT OF MEAS	(5)  QTY INC IN UNIT	(6)  15-DAY ORGANIZATIONAL MAINTENANCE ALW				(7)  ILLUSTRATION	
						(a) 1-5	(b) 6-20	(c) 21-50	(d) 51-100	(a) FIGURE NO.	(b) ITEM NO.
P 0	6625-506-9310	CHART NO-REF-DESIG CALIBRATION AND MEASUREMENT INSTRUMENTS		EA	1	*	*	*	*		
P 0	6625-822-1129	13-1378-1218 (141401) AQK, AQL, AQM CORD ASSEMBLY, ELECTRICAL W1 2 COND W/TRIMM NO.505 PLUG 1ST END, SPADE LUG 2NO END M2GC (81849) AT7		EA	1	*	*	*	*		W1
P 0	6625-244-8519	CORD, ASSEMBLY, ELECTRICAL W1 2 COND, 6 TINSEL 15 IN LG EXCL TERM BLACK W/PLUG PJ-327 ONE END SPADE TERM OTHER END M2GC (64959) AQK, AQL, AQM		EA	1	*	*	*	*		W1
P 0	5935-642-0743	DUMMY PLUG, TELEPHONE NO-REF-DESIG PLUG SINGLE SHANK PLASTIC BODY 165C (01401)	DUMMY	EA	4	*	*	*	*		
P 0	5960-188-3593	ELECTRON TUBE 1U4 ( 12992)	V1	EA	3	*	*	*	*	9	V1
P 0	5960-188-3593	ELECTRON TUBE 1U4 (12992)	V2	EA	REF	*	*	*	*	9	V2
P 0	5960-188-3593	ELECTRON TUBE X1-2 (79727)	V3	EA	REF	*	*	*	*	9	V3
P 0	5930-170-5566	HANDLE, SWITCH NO-REF-DESIG SCREW ON TYPE PHENOLIC 48BD (76572) AQK, AQL, AQM		EA	2	*	*	*	*		
P 0	5355-668-5528	KNOB NO-REF-DESIG RD BLACK, PLASTIC S308-64-40275 (75376)		EA	1	*	*	*	*		
P 0	5355-284-5194	KNOB NO-REF-DESIG RD PLASTIC, BLACK MS91531-3F2M (81349) AT7		EA	1	*	*	*	*		
P 0	6625-818-5273	LABEL, INSTRUCTION NO-REF-DESIG INSTRUCTION CARD VINYL OPERATING INST T335-104492 (81849) AT7		EA	1	*	*	*	*		
P 0	5965-557-3816	RECEIVER, TELEPHONE NO-REF-DESIG RESONANT MAGNETIC TYPE 10000 OHM AT 1000 CYC TYPE K 29-3 (81812)		EA	1	*	*	*	*		
P 0	5960-272-9)94	SHIELD, ELECTRON TUBE TS102VO2 (12992)	E9	EA	3	*	*	*	*		E9
P 0	5960-272-9094	SHIELD, ELECTRON TUBE TS102VO2 (12992)	E10	EA	REF	*	*	*	*		E10
P 0	5960-272-9094	SHIELD, ELECTRON TUBE TS102U02 (12992)	E11	EA	REF	*	*	*	*		E11
P 0	5305-531-1069	THUMBSCREW NO-REF-OESIG NICKEL PLATED NO.12-28 X 1-11/16 IN LG A1376-86 (17870)	THUMBSCREW BRASS	EA	2	*	*	*	*	15	
P 0	5305-506-9309	THUMBSCREW NO-REF-DESIG THUMBSCREW BRASS NICKEL PLATED NO.12-28 X 4-3/4 IN LG A3178-82 (17870)		EA	2	*	*	*	*	15	

**SECTION V**

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

<b>STOCK NUMBER</b>	<b>FIGURE NO.</b>	<b>ITEM NO.</b>	<b>STOCK NUMBER</b>
5305-506-9309	15		5960-272-9094
5305-531-1069	15		5960-272-9094
5355-284-5194			5960-272-9094
5355-668-5528			5965-557-3816
5930-170-5566			6625-244-8519
5935-642-0743			6625-506-9310
5960-188-3593	9	V1	6625-818-5273
5960-188-3593	9	V2	6625-822-1129
5960-188-3593	9	V3	

<b>REFERENCE NO.</b>	<b>MFR CODE</b>	<b>FIG. NO.</b>	<b>ITEM NO</b>	<b>REFERENCE .NO.</b>	<b>MFR CODE</b>	<b>FIG. NO.</b>	<b>ITEM NO.</b>
A1376-86	17870	15		T335-104492	81849		
A3178-82	17870	15		X1-2	79727	9	V3
MS91531-3F2M	81349			1U4	12992	9	V1
M2GC	64959		W1	1U4	12992	9	V2
M2GC	81849		W1	13-1378-121B	14140		
S308-64-40275	75376			165C	01401		
TS102U02	12992		E11	29-3	81812		
TS102V02	12992		E9	488BD	76572		
TS102V02	12992		E10				

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NG: State AG (3)

USAR None

For explanation of abbreviations used, see A R 310-50.

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