
DEPARTMENT OF THE ARMY TECHNICAL MANUAL

ORGANIZATIONAL MAINTENANCE REPAIR PARTS
AND SPECIAL TOOLS USTS
INDICATORS, PANORAMIC IP-173/U (FSN 6625-224-5500),
IP-173A/J (FSN 6625-6998116), IP-173B/U, AND
IP-173C/U

Headquarters, Department of the Army, Washington, D.C.
20 December 1974

Current as of 15 October 1974

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*This manual supersedes TM 11-5820-236-20P, 12 July 1959, Including all changes.

**SECTION I
INTRODUCTION**

1-1. Scope

This manual lists repair parts and special tools required for the performance of organizational maintenance of the IP-173/U, IP-173A/U, IP-173B/U, and IP-173C/U. The PCCN for the equipment is GTEAAA 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. A list of special tools, test and support equipment authorized for the performance of maintenance at the organizational level.

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 alphanumeric 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 tubular 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.

<i>Code</i>	<i>Explanation</i>
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 an(d) 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). <ul style="list-style-type: none"> 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 (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, 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 11-5086.

(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
ACO	IP-173/U
ACP	IP-173A/U
ACQ	IP-173B/U
ACR	IP-173C/U

b. The following publications pertain to the equipment and its components:

TM 11-5086 Panoramic Indicators IP-173/U, IP-173A/U, IP-173B/U, and IP-173C/U.

TM 11-5820-23&10P Operator Maintenance Repair Parts and Special Tools List: Indicators, Panoramic IP-173/U, IP-173A/U, IP-173B/U, and IP-173C/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 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 Blank Forms) and forwarded direct to Commander, US Army Electronics Command, ATTN: AMSEL-MA-TMDE, Fort Monmouth, NJ., 07703.

SECTION III

TM11-5820-236-20P

(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.
PAOZZ	6145-244-8152	CABLE, SPECIAL PURPOSE, ELECTRICAL W10 UL 18 2 SJ 1802SJ (81348)	FT	6	*	*	*	*		W10
XDOZZ		CONNECTOR, PLUG, ELECTRICAL P1 U120U (80058)	EA	1	*	*	*	*	6	P1
PAOZZ	5935-636-7145	CONNECTOR, PLUG, ELECTRICAL P1 UP121M (81349)	EA	1	*	*	*	*	6	P1
XDOZZ		CONNECTOR, PLUG ELECTRICAL P1 7484 (74545)	EA	1	*	*	*	*	6	P2
XDOZZ		CRYSTAL UNIT, QUARTZ Y1 1500 KC 2006 (80883)	EA	2	*	*	*	*	35	Y1
XDOZZ		CRYSTAL UNIT, QUARTZ Y2 1500KC 2006 (80883)	EA	REF	*	*	*	*	35	Y2
XDOZZ		ELECTRON TUBE V20 OC3 (81350)	EA	1	*	*	*	*	4	V20
XDOZZ		ELECTRON TUBE V19 (PER BUSHIPS) 5UP7 (17721)	EA	1	*	*	*	*	4	V19
XDOZZ		ELECTRON TUBE V4 6AH6 (81350)	EA	1	*	*	*	*	4	V4
PAOZZ	5960-166-7676	ELECTRON TUBE V13 YAU6 (81350)	EA	1	*	*	*	*	4	V13
XDOZZ		ELECTRON TUBE V13 6AU6WA (81350)	EA	1	*	*	*	*	4	V13
PAOZZ	5960-188-3602	ELECTRON TUBE V2 6BH6 (81350)	EA	2	*	*	*	*	4	V2
PAOZZ	5960-188-3602	ELECTRON TUBE V12 6BH6 (81350)	EA	REF	*	*	*	*	4	V12
PAOZZ	5960-262-0167	ELECTRON TUBE V11 12AT7 (81350)	EA	1	*	*	*	*	4	V11
PAOZZ	5960-166-7663	ELECTRON TUBE V14 12AU7 (81350)	EA	5	*	*	*	*	4	V14
PAOZZ	5960-166-7663	ELECTRON TUBE V15 12AU7 (81350)	EA	REF	*	*	*	*	4	V15
PAOZZ	5960-166-7663	ELECTRON TUBE V16 12AU7 (81350)	EA	REF	*	*	*	*	4	V16
PAOZZ	5960-166-7663	ELECTRON TUBE 17 12AU7 (81350)	EA	REF	*	*	*	*	4	V17
PAOZZ	5960-166-7663	ELECTRON TUBE V18 12AU7 (81350)	EA	REF	*	*	*	*	4	V18
PAOZZ	5960-264-3002	ELECTRON TUBRE V1 5750-6BE6W (81350)	EA	2	*	*	*	*	4	V1
PAOZZ	5960-264-3002	ELECTRON TUBE V3 5750-6BE6W (81350)	EA	REF	*	*	*	*	4	V3
PAOZZ	5355-160-6056	KNOB E2 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	11	*	*	*	*	1	E2
PAOZZ	5355-160-6056	KNOB E3 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E3
PAOZZ	5355-160-6056	KNOB E4 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E4
PAOZZ	5355-160-6056	KNOB E5 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E5
PAOZZ	5355-160-6056	KNOB E6 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E6
PAOZZ	5355-160-6056	KNOB E7 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E7
PAOZZ	5355-160-6056	KNOB E8 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E8
PAOZZ	5355-160-6056	KNOB E9 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E9
PAOZZ	5355-160-6056	KNOB E10 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E10
PAOZZ	5355-160-6056	KNOB E11 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E11
PAOZZ	5355-160-6056	KNOB E12 RD BLACK PHENOLIC S380-64BBLDD (75376)	EA	REF	*	*	*	*	1	E12
PAOZZ	6240-155-8706	LAMP, INCANDESCENT E13 6-8 V 15 AMP 47 (88428)	EA	1	*	*	*	*	36	E13
XDOZZ		LENS, IINDICATOR LIGHT NO-REF-DESIG GREEN SMOOTH 3-16 X 5-8 IN 81-622 (72619)	EA	1	*	*	*	*		
PAOZZ	5960-170-4449	RETAINER, ELECTRON TUBE XBV20 FOR SMALL TUBE BASE 1-165IN DIA 8548 (71785)	EA	1	*	*	*	*		
PAOZZ	5960-273-2451	RETAINER, ELECTRON TUBE XBV20A, XBC616A XBC620A RETAINS T12 AND ST12 3THAT (97983)	EA	3	*	*	*	*		

SECTION III

TM11-5820-236-20P

(1) SMR CODE	(2) FEDERAL STOCK NUMBER	(3) DESCRIPTION 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.
PAOZZ		5820-534-2881 SCALE, CATHODE RAY TUBE 83 OSCILLOSCOPE SCALE N2-5774D (16665)		EA	1	*	*	*	*	B3
XDOZZ		SHIELD, ELECTRON TUBE X13 TS102U02 (81350)		EA	6	*	*	*	*	X13
XDOZZ		SHIELD, ELECTRON TUBE X14 TS102U02 (18350)		EA	REF	*	*	*	*	X14
XDOZZ		SHIELD, ELECTRON TUBE X15 TS102U02 (81350)		EA	REF	*	*	*	*	X15
XDOZZ		SHIELD, ELECTRON TUBE X16 TS102U02 (18350)		EA	REF	*	*	*	*	X16
XDOZZ		SHIELD, ELECTRON TUBE X17 TS102U02 (81350)		EA	REF	*	*	*	*	X17
XDOZZ		SHIELD, ELECTRON TUBE X18 TS102U02 (18350)		EA	REF	*	*	*	*	X18
XDOZZ		5960-246-3004 SHIELD, ELECTRON TUBE X31 TS102U02 (81350)		EA	6	*	*	*	*	X31
XDOZZ		5960-246-3004 SHIELD, ELECTRON TUBE X32 TS102U02 (18350)		EA	REF	*	*	*	*	X32
XDOZZ		5960-246-3004 SHIELD, ELECTRON TUBE X33 TS102U02 (81350)		EA	REF	*	*	*	*	X33
XDOZZ		5960-246-3004 SHIELD, ELECTRON TUBE X34 TS102U02 (18350)		EA	REF	*	*	*	*	X34
XDOZZ		5960-246-3004 SHIELD, ELECTRON TUBE X35 TS102U02 (81350)		EA	REF	*	*	*	*	X35
XDOZZ		5960-246-3004 SHIELD, ELECTRON TUBE X36 TS102U02 (18350)		EA	REF	*	*	*	*	X36
PAOZZ Y1		5955-099-0690 CRYSTAL UNIT, QUARTZ Y1 C/O TWO XTAL 2Y3003M (16665) ACO		EA	1	*	*	*	*	35
PAOZZ Y2		5955-099-0690 CRYSTAL UNIT, QUARTZ Y2 C/O TWO XTAL 2Y3003M (16665) ACO		EA	REF	*	*	*	*	35
XDOZZ		RETAINER, ELECTRON TUBE XBV101,XBV102 SMALL WAFER, ACTALW/SLEEVE 52329 (90763) ACP,ACQ,ACR		EA	2	*	*	*	*	
PAOZZ		5960-273-2451RETAINER, ELECTRON TUBE XBV103A RETAINS T12 AND ST12 3THAT (97983) ACP,ACQ,ACR		EA	1	*	*	*	*	
XDOZZ		STUD, PLAIN XBV103B 52POST (97983) ACP,ACQ,ACR		EA	1	*	*	*	*	
PAOZZ V103		5960-114-4849 ELECTRON TUBE V103		EA	1	*	*	*	*	5
PAOZZ		2 X 2A (81350) 5960-188-0926 ELECTRON TUBE V101		EA	2	*	*	*	*	V102
PAOZZ		6 X 5 WGT (81350) 5960-188-0926 ELECTRON TUBE V102		EA	REF	*	*	*	*	V102
PAOZZ F1		6 X 5 WGT (81350) 5920-280-4960 FUSE, CARTRIDGE F1		EA	2	*	*	*	*	40
PAOZZ		F02G2ROOA (81349) 5920-280-4960 FUSE, CARTRIDGE F2 F02G2ROOA (81349)		EA	REF	*	*	*	*	F2

**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.
5120-356-4026		E101	5960-166-7676	4	V13
			5960-170-4449		
5355-160-6056	1	E10	5960-188-0926		V102
5355-160-6056	1	E11	5960-188-0926	5	V101
5355-160-6056	1	E12	5960-188-3602	4	V12
5355-160-6056	1	E2	5960-188-3602	4	VZ
5355-160-6056	1	E3			
5355-160-6056	1	ES	5960-262-0161	4	V11
5355-160-6056	1	E4			
5355-160-6056	1	E7	5960-264-3002	4	VI
5355-160-6056	1	E8	5960-264-3002	4	V3
5355-160-6056	1	E9	5960-264-3004		X31
5820-534-2881		83	5960-264-3004		X32
5920-280-4960		F2	5960-264-3004		X33
5920-280-4960	40	F1	5960-264-3004		X34
			5960-264-3004		x35
5935-636-7145	6	P1	5960-264-3004		X36
5955-099-0690	35	Y1			
5955-099-0690	35	YZ			
5960-114-4849	5	V103			
5960-166-7663	4	V14	5960-273-2451		
5960-166-7663	4	V16	6145-244-8152	W10	
5960-166-7663	4	V15			
5960-166-1063	4	V18	6240-155-8706	36	E13

REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.	REFERENCE NO.	MFR CODE	FIG. NO.	ITEM NO.
E101OB	16665		E101	12AT7	81350	4	V11
F02GZRJOA	81349		F2	12AU7	81350	4	V14
F02G2ROOA	81349	40	FL	12AU7	81350	4	V15
N2-5774D	16665		83	12AU7	81350	4	V16
OC3	81350	4	V20	12AU7	81350	4	V17
S380-64BBLDD	75376	1	E2	12AU7	81350	4	V18
S380-64BBLDD	75376	1	E3	18-2SJ	81348		W10
S380-64BBLDD	75376	1	E4	2X2A	81350	5	V103
S380-64BBLDD	75376	1	E5	2Y3003M	16665	35	Y1
S380-64BBLDD	75376	1	E6	2Y3003M	16665	35	Y2
S380-64BBLDD	75376	1	E7	2006	80883	35	Y1
S360-64BBLDD	75376	1	E8	2006	80883	35	Y2
S380-64BBLDD	75376	1	E9	3THAT	97983		
S380-64BBLDD	75316	1	E10	47	88428	36	E13
S380-64BBLDD	75376	1	E11	5UP7	17721	4	V19
S380-64BBLDD	75376	1	E12	52POST	97963		
TS102U02	81350		X13	52329	90763		
TS102U02	81350		X14	5750-6BE6W	81350	4	V1
TS102U02	81350		X15	5750-6BE6W	81350	4	V3
TS102U02	81350		X16	6AH6	81350	4	V4
TS102U02	81350		X17	6AU6	81350	4	V13
TS102U02	81350		X18	6AU6WA	81350	4	V13
TS103U02	81350		X31	6BH6	81350	4	V2
TS103U02	81350		X32	6BH6	81350	4	V12
TS103U02	81350		X33	6X5WGT	81350		V102
TS103U02	81350		X34	6X5WGT	81350	5	V101
TS103U02	81350		X35	7484	74545	6	P2
TS103U02	81350		X36	81-622	72619		
UP121M	81349	6	P1	8548	71785		
U120U	80058	6	P1				

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CNGB (1)	SAAD (30)
Dir of Trans (1)	TOAD (14)
COE (1)	ATAD (10)
TSG (1)	USA Dep (2)
USAARENBD (1)	Sig Sec USA Dep (2)
AMC (1)	Sig Dep (2)
TRADOC (2)	Sig FLDMS (1)
ARADCOM (2)	USAERDAA (1)
ARADCOM Rgn (2)	USAERDAW (1)
OS MAi Comd (4)	MAAG (1)
LOGCOMDS (3)	USARMIS (1)
MICOM (2)	Units org under fol TOE: (1 cy ea unit)
TECOM (2)	7
USATC Inf(5)	7-100
USARDL (10)	11-16
USACC(4)	1138
MDW(1)	11-9B
Armies (2)	11-117
Corps (2)	11 00(AA-AC)
HISA (Ft Monmouth) (43)	17
Svc Colleges (1)	17-100
USASESS (5)	29-1
USAADS (2)	29-16
USAFAS (2)	2916
USAARMS(2)	29265
USAIS(2)	29-26
USAES (2)	2956
USAINTCS (3)	2975
WRAMC (1)	29-76
ATS (1)	2979
Fort Gordon (10)	29-105
Fort Huachuca (10)	29109
WRAMC(1)	37
Fort Carson (5)	37-100
Ft Richardson (ECOM Ofc) (2)	67-100
Army Dep (1) except	

NG: State AG (3)

USAR: None

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

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