DEPARTMENT OF THE ARMY TECHNICAL MANUAL

Operator's Repair Parts and Tool List

for

FREQUENCY SHIFT CONVERTER CCV-116/URR, CV 116A, B, C/URR

Headquarters, Department of the Army, Washington 25, D. C 4 August 1958

SECTION I

1. Scope

a. General. The manual lists items supplied for initial operation and for running spares and accessories. The list includes tools, accessories, and similar material issued as part of the major end item. This portion lists the basic allowance data for parts and accessories required for maintenance of this equipment. End items of equipment are issued on the basis of allowances prescribed in equipment authorization tables and other documents which are a basis for requisitioning.

b. Columns.

- (1) Federal stock number. The stock number column lists the 11-digit Federal stock number assigned by the Cataloging Division, OASD (S & L).
- (2) Designation by model. Each subdivision- of this column is used for a specific model or for groups of equipment ·a noted. A dagger (t) indicates the part is used in that model.
- (3) *Description*. Nomenclature or the standard item name and brief identifying data for each item is listed in this column. When requisitioning, enter the nomenclature and description.
- (4) *Unit of Issue*. The unit of issue is the supply term applied to the smallest quantity by which the individual item is counted for

- procurement, storage, requisitioning, allowances, and issue purposes.
- (5) *Expendability*. Expendable items are indicated by the letter X; non-expendable items are indicated by NX.
- (6) Quantity authorized. Under ""Items Comprising an Operable Equipment" the column lists the quantity of items supplied for the initial operation of the equipment. Under "Running Spares and Accessories" the quantities listed are those issued initially with the equipment as spare parts.. The quantities are authorized to be kept on hand by the operator for maintenance of the equipment.
- (7) *Illustration*. The item number column lists the reference symbols used for identification of the items in the manual in which the item appears.

2. Maintenance Allocation Chart

A maintenance allocation chart showing all repair operations authorized to be performed by the respective echelons of maintenance appears in TM 11-5815-221-20-20P.

3. Critical Items

High mortality items are designated by a zero slash "Ø" preceding the standard item name in the description column.

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4. Abbreviations

ac....alternating current kc...kilocycle ph....phase

discrepancies in this manual will be prepared on DA form 2028 and forwarded direct to Commanding Officer, U. S. Army Signal Equipment Support Agency, Fort Monmouth, N. J., ATTN: SIGFM/ES-ML.

5. Comments or Suggestions

Any comments concerning omissions and

SECTION II FUNCTIONAL PARTS LIST By Order of Wilber M. Brucker, Secretary of the Army:

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ASA (2)	Trans Terminal Comd (2)	11-87 (2)
CNGB (1)	Army Terminals (2)	11-95 (2)
Technical Stf, DA (1) except	OS Sup Agcy (2)	11-98 (2)
CSigO (30)	USA Sig Pub Agcy (8)	11-99 (2)
Technical Stf Bd (1)	USA Sig Engr Agcy (1)	11-117 (2)
USA Arty Bd (1)	USA Comm Agey (2)	11-127 (2)
USA Armor Bd (1)	TASSA (13)	11-128 (2)
USA Inf Bd (1)	Mid-Western Rgn Ofc (TASSA) (1)	11-500 (AA-AE) (2)
USA Air Def BD (1)	USA Sig Eqp Spt Agcy (2)	11-537 (2)
USA Abn & Elct Bd (1)	USA White Sands Sig Agey (13)	11-557 (2)
USA Avn Bd (1)	Yuma Test Sta (2)	11-587 (2)
USA Armor Bd Test Sec (1)	Pine Bluff Arsenal (5)	11-592 (2)
USA Air Def Bd Test Sec (1)	USA Elct PG (1)	11-597 (2)
USA Arctic Test Bd (1)	Sig Fld Maint Shops (3)	17-51 (2)
USCON ARC (5)	Sig Lab (5)	17-55 (2)
US ARADCOM (2)	Mil Dist (1)	17-55 (2)
US ARADCOM Rgn (2)	USA Corps (Res) (1)	20-45 (2)
OS Maj Comd (5)	Sectors, USA Corps (Res) (1)	20-46 (2)
Log Comd (5)	JBUSMC (2)	20-300 (2)
MDW (1)		30-15 (2)
Armies (5)	Units org under fol TOE:	30-19 (2)
Corps (2)	5-225 (2)	32-51 (2)
Div (2)	5-226 (2)	32-55 (2)
USATC (2)	5-348 (2)	32-56 (2)
Ft & Camps (2)	6-315 (2)	39-51 (2)
Sve Colleges (5)	6-317 (2)	39-61 (2)
Br Sve Sch (5) except	6-545 (2)	39-71 (2)
USASCS (25)	6-558 (2)	44-12 (2)
Gen Depots (2) except	6-635 (2)	44-35 (2)
Atlanta Gen Depot (None)	7-52 (2)	44-36 (2)
Sig Sec, Gen Depots (10)	11-5 (2)	44-85 (2)
Sig Depots (17)	11-7 (2)	44-86 (2)
Fld Comd AFSWP (5)	11-15 (2)	44-101 (2)
Engr Maint Cen (1)	11-16 (2)	44-535 (2)
Army Pictorial Cen (2)	11-17 (2)	44-536 (2)
WRAMC (1)	11-18 (2)	44-537 (2)
AFIP (1)	11-55 (2)	
AMS (1)	11-57 (2)	

NG: State AG (6); units-same as Active Army except allowance is one copy to each unit.

USAR: None

For explanation of abbreviations used, see AR 320-50.

OPERATOR'S REPAIR PARTS AND TOOL LIST

FREQUENCY SHIFT CONVERTER CV-116/URR, CV-116A, B, C/URR

TM 11-5815-221-10P TO 31R1-2URR-321 CHANGES NO. 1 DEPARTMENTS OF THE ARMY AND THE AIR FORCE WASHINGTON 25, D. C., 16 August 1960

TM 11-5815-221-10p, 4 August 1958 is changed as follows:

Page		1	•			•	8	6	7	
		Action Federal or technical service Stock No.	Designation by model			by	Description	Unit of lasue	Ex- pend- sbility	Quan- tity author-
			1	3	•	4				ised
							ITEMS COMPRISING AN OPER- ABLE EQUIPMENT			
1	Add items	Order thru	(†)	(†)	(†)	(†)	TECHNICAL MANUAL TM 11-2241.	84	x	1
			(†)	(†)	(†)	(†)	TECHNICAL MANUAL TM 11-5815- 221-10P.	O.	X	2
	Change columns 1 and 4.	5960-262-0152 (5960-166-7676)		(†)	(1)	(†)	Ø ELECTRON TUBE: MIL type JAN 6AU6WA Item No.: V1, V4, V5, V7, V16, V17, V18, V20, V27, V30, V31, V33.			
	·	5960-262-0185 (5960-188-0857)		(†)	(†)	(†)	5726/6AL5W Item No.: V6, V8, V11, V19, V21, V22, V82, V87.			
2	Change column 4	5960 -646- 4 615					SHIELD, ELECTRON TUBE: bayonet type: type TS102U03 w/ad- dition of black oxide treatment.		· · · · · · · · · · · · · · · · · · ·	
	Delete item					l	SHIELD, ELECTRON TUBE * * *			
	Add item	5960-564-4755	(1)	(†)	(1)	(†)	SHIELD, ELECTRON TUBE: f/tube type #5814 heat dissipating; Collins part/dwg #5416554008.	04	X	18
							RUNNING SPARES AND ACCES- SORY ITEMS		,	
•	Change columns 1 and 4.	5960-262-0152 (5960-166-7676)					ELECTRON TUBE: MIL type JAN 6AU6WA Item No.: V1, V4, V5, V7, V16, V17, V18, V20, V27,			
	Change columns 1	5960-262-0185					Y80, V81, V88. # ELECTRON TUBE: MIL type JAN			
	and a.	(5960–188–0857)					5726/6AL5W Item No.: V6, V8, V11, V19, V21, V22, V32, V34, V37.			

Parentheses indicate old stock number proceeded by new.

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9-86	11-155	44-12
11-15	11-587	57

NG: State AG (3); Units-same as Active Army except allowance is one copy to each unit.

USAR: None

For explanation of abbreviations used, see AR 320-50.

GPO 906-410

TM 11-5815-221-10P C2

CHANGE

No. 2

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 30 August 1982

OPERATOR'S REPAIR PARTS AND TOOL LIST FOR FREQUENCY SHIFT CONVERTER CV-116/URR, CV-116A, B. C/URR (NSN 5815-00-519-6962)

TM 11-5815-221-1OP, 4 August 1958, is changed as follows:

Page 2. Section III is added after section II.

SECTION III

CROSS REFERENCE INDEX. The Cross-Reference Index is a cross-reference listing of part number to National Stock Number.

- a. <u>Use of Cross-Reference Index</u>. To order a part listed in the Cross-Reference Index, note part number and then cross-reference that part number to the National Stock Number in the cross-reference index. Then order through normal ordering channels.
- b. <u>Ordering Part Numbers Without National Stock Number</u>. If the part number does not have a National Stock Number, then order the part through normal ordering channels using the part number and the FSCM.

CROSS REFERENCE INDEX

Parts With AN FSN

FSN	NEW NSN	FSCM	PART NUMBER
59951616436	5995001616436	80058	CG-409A/U
59601667676	5960001667676	81349	6AU6WA
59601667676	5960001667676	81349	6AU6WA
59601880806	5960001880806	81349	6BA7
59601880806	5960001880806	81349	6BA7
59601880857	NONE	81349	5726/6AL5W
59601880857	NONE	81349	5726/6AL5W
59601880880	NONE	81349	6X4W
59601880880	NONE	81349	6X4W
59201890846	NONE	81349	FO2G3ROOA
59201890846	NONE	81349	FO2G3ROOA
59602120210	NONE	81349	5814A
62402239100	6240002239100	81349	M15098-10-001
62402239100	6240002239100	81349	M15098-10-001
59602483089	NONE	81349	6005/6AQ5W
59602483089	NONE	81349	6005/6AQ5W
59602620210	5960002620210	81349	5814A
59602643004	5960002643004	81349	TS103U02
59952675085	5995002675085	80058	CR-25/U 405KC
59552675086	5955002675086	80058	CR-25/U 425.7KC
5815-519-6962	5815-00-519-6962	80058	CV116A,B,C/URR
59956423049	5995006423049	80058	CX-2491/U
59606464579	NONE	81349	TS102U01
59606464615	5960006464615	81349	TS103U02
59606464616	5960006464616	81349	TS102U02
59606464617	NONE	81349	TS103U03

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