TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT

MAINTENANCE MANUAL

(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)

CONVERTER, TELEGRAPH-TELEPHONE

SIGNAL CV-425/U

(PART OF TERMINAL TELEGRAPH-TELEPHONE AN/TCC-29)

This copy is a reprint which includes current pages from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY

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DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE MANUAL

CONVERTER, TELEGRAPH-TELEPHONE SIGNAL CV-425/U

(NSN 5805–00–985–9088)

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, New Jersey 07703-5007.

In either case, a reply will be furnished direct to you.

		Paragraph	Page
CHAPTER 1.	**INTRODUCTION**		
Section I.	General		
	Scope	1–1	1–1
	Consolidated Index of Army Publications and Blank Forms	1–2	1–1
	Maintenance Forms, Records, and Reports	1–3	1–1
	Reporting Equipment Improvement Recommendations (EIR)	1–4	1–1
	Administrative Storage	1–4.1	1–1
	Destruction of Army Electronics Materiel	1–4.2	1–1
	Calibration	1–4.3	1–1
II.	Description and Data		
	Description	1-5	1-1
	Tabulated Data	1-6	1-1
CHAPTER 2.	**FUNCTIONING OF CV-42S/U**		
Section I.	Block Diagram Analysis		
	General	2–1	2-1
	Detailed Block Diagram	2-2	2-3
II.	Schematic Diagram Analysis		
	VF to 20-Hz Circuits	2-3	2-3
	20-Hz to VF Circuits	2-4	2-4
	Power Supply Circuit	2-5	2-5
CHAPTER 3.	**DIRECT SUPPORT MAINTENANCE INSTRUCTIONS**		
Section I.	General		
	Scope of Direct Support Maintenance	3-1	3-1
	Voltage and Resistance Measurements	3-2	3-1
	Continuity Tests	3-3	3-3
	Bench Testing	3-4	3-4
II.	Tools and Test Equipment	---	3-4
III.	Troubleshooting		
	Introduction	3-5	3-4
	Operational Tests	3-6	3-6
	Localizing Trouble	3-7	3-7

* **This manual together with TM 11-5805-35-34-1, 13 October 1972, supersedes TM 11-5805-356-35, 9 December 1966, including all changes.**

** Portions of this manual pertaining to repair parts and special tools list are superseded by TM 11-5805-356-34P-2. dated 9 December 1976.

		Paragraph	Page
CHAPTER 4.	**GENERAL SUPPORT MAINTENANCE INSTRUCTIONS**		
Section I.	General		
	Scope of General Support Maintenance	4-1	4-1
	Fabrication of Test Table	4-2	4-1
II.	Tools and Test Equipment		
	Test Equipment and Tools Required, General Support Maintenance	4-3	4-1
	Material Required, General Support Maintenance	4-4	4-1
III.	Troubleshooting		4-1
IV.	Maintenance of CV-425/U		
	Repair Procedures	4-6	4-2
	Physical Test and Inspection	4-6	4-2
V.	General Support Testing Procedures		
	Oscillator Frequency Adjustment	4-7	4-3
	2-Wire Operational Test	4-8	4-3
	4-Wire Operational Test	4-9	4 - 4
APPENDIX A.	REFERENCES		A-1
B.	Deleted		

LIST OF ILLUSTRATIONS

Number	*Title*	*Page*
2-1	Converter, Telegraph-Telephone Signal CV–425/U, simplified block diagram	2-1
2-2	Converter, Telegraph-Telephone Signal CV-425/U, detailed block diagram	2-2
3–1	Chassis Voltage and Resistance Diagram	3-2
3-2	Chassis Rear View with PC Boards in Test Position	3-3
3-3.1	20-Hz to Vf Card 3A2 Component Layout and Wiring Diagram (discrete components)	3-6
3-3.2	20-Hz to Vf Card 3A2 Component Layout and Wiring Diagram (sealed VF - OSC)	3-6.1
3-4	Chassis Top View	3-9
3-5	Chassis Bottom View	3-10
3-6	Vf to 20 Hz Card 3Al Component Layout and Wiring Diagram	3-11
4-1	Operational Test Setup	4-4
FO-1.1	Converter, Telegraph-Telephone Signal CV-425/U, schematic diagram (discrete components)	Fold-In
FO-1.2	Converter, Telegraph-Telephone Signal CY-425/U. schematic diagram (sealed VF–Osc)	Fold-In
FO-2	Converter, Telegraph-Telephone Signal CV-425/U, wiring diagram	Fold-In
FO-3	MIL-STD color code marking for resistors, inductors, and capacitors.	Fold-In

CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual covers direct support and general support maintenance for Converter Telegraph-Telephone Signal CV–425/U. This section outlines pertinent administrative information. Section II describes purpose, use, and mechanical configuration of the equipment and lists electrical specifications. Chapter 2 provides detailed circuit analysis. Chapters 3 and 4 contain information appropriate to direct support maintenance and general support maintenance respectively.

1-2. Consolidated Index of Army Publications and Blank Forms

Refer to the latest issue of DA Pam 310—1 to determine whether there are new editions, changes, or additional publications pertaining to the equipment.

1–3. Maintenance Forms, Records, and Reports

a. Reports of Maintenance and Unsatisfactory Equipment. Department of the Army forms and procedures used for equipment maintenance will be those prescribed by DA Pam 738-750, Maintenance Management Update.

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-1l-2/DLAR 4140.55/ NAVMATINST 4355.73A/AFR 400-54/MCO 4430.3F.

c. Discrepancy in Shipment Report (DISREP) (SF 361), Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/ NAVSUPINST 4610.33C/AFR 75-18/MCO P4610. 9D/DLAR 4500.15.

1-4. Reporting Equipment Improvement Recommendations (EIR)

If your equipment needs improvement, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: AMSEL-ME-MP, Fort Monmouth, New Jersey 07703-5007. We'll send you a reply.

1-4.1. Administrative Storage

Administrative storage of equipment issued to and used by Army activities will have preventive maintenance performed in accordance with the PMCS charts before storing. When removing the equipment from administrative storage, the PMCS should be performed to assure operational readiness. Repacking of equipment for shipment or limited storage are covered in SB 38-100.

1-4.2. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

1-4.3. Calibration

Pertinent publications on calibration of this equipment shall be referenced as required.

Section II. DESCRIPTION AND DATA

1-5. Description

Refer to TM 11-5805–356-12 for purpose, use, and photographs of the equipment.

1-6. Tabulated Data

Refer to TM 11-58,05-356-12 for list of technical characteristics of the equipment.