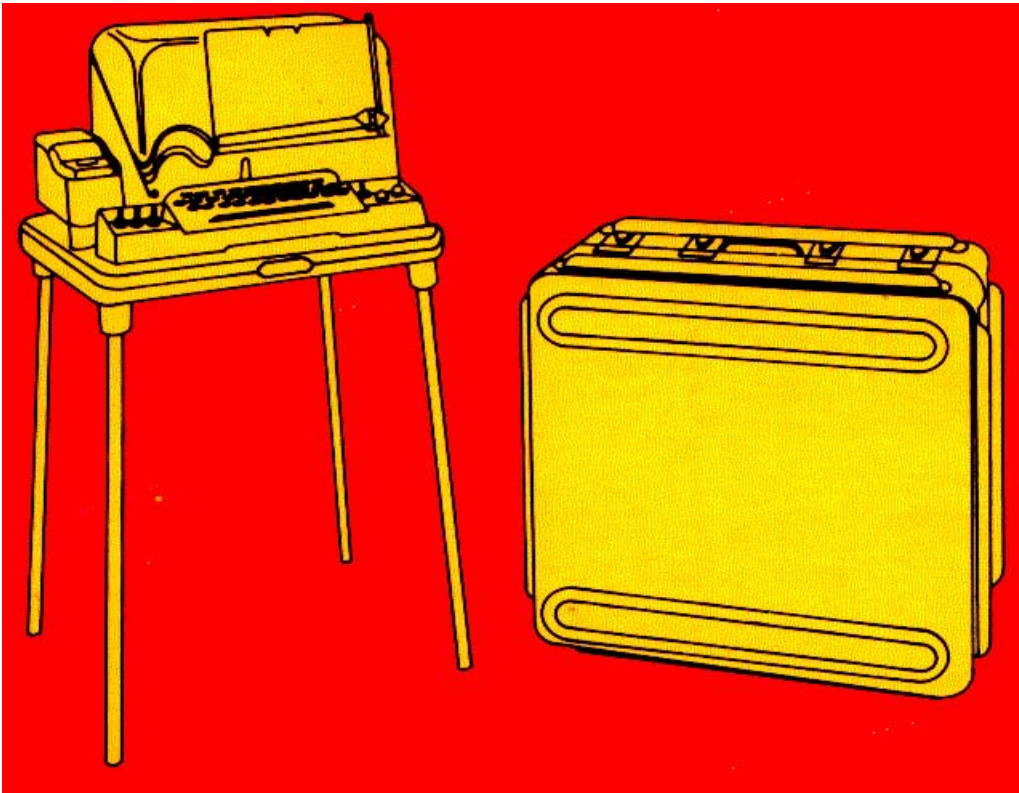


TECHNICAL MANUAL
ORGANIZATIONAL MAINTENANCE
MANUAL



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TELETYPEWRITER SETS
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AN/GGC-3A (NSN 5815-00-581-9751)
AN/GGC-53 (NSN 5815-01-012-8772)
AN/GGC-53A (NSN 5815-01-017-0956)

AND

TELETYPEWRITER REPERFORATOR-TRANSMITTERS
TT-76/GGC (NSN 5815-00-503-2760)
TT-76A/GGC (NSN 5815-00-553-6061)
TT-76B/GGC (NSN 5815-00-553-6061)
TT-76C/GGC (NSN 5815-00-553-6061)
TT-699/GGC (NSN 5815-01-012-8446)
TT-699A/GGC (NSN 5815-01-017-9166)
TT-699B/GGC (NSN 5815-01-017-9166)
TT-699C/GGC (NSN 5815-01-017-9166)

HEADQUARTERS, DEPARTMENT OF THE ARMY
WASHINGTON, D.C.

28 SEPTEMBER 1983

**ORGANIZATIONAL MAINTENANCE MANUAL
TELETYPEWRITER SETS**

**ANIGGC-3 (NSN 5815-00-503-3309)
ANIGGC-3A (NSN 5815-00-581-9751)
ANIGGC-53 (NSN 5815-01-012-8772)
ANIGGC-53A (NSN 5815-01-017-0956)**

AND

TELETYPEWRITER REPERFORATOR-TRANSMITTERS

**TT-76/GGC (NSN 5815-00-503-2760)
TT-76AIGGC (NSN 5815-00-553-6061)
TT-76BIGGC (NSN 5815-00-553-6061)
TT-76C/GGC (NSN 5815-00-553-6061)
TT-6991GGC (NSN 5815-01-012-8446)
TT-699A/GGC (NSN 5815-01-017-9166)
TT-699BIGGC (NSN 5815-01-017-9166)
TT-699CIGGC (NSN 5815-01-017-9166)**

REPORTING OF 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: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703. In either case, a reply will be furnished direct to you.

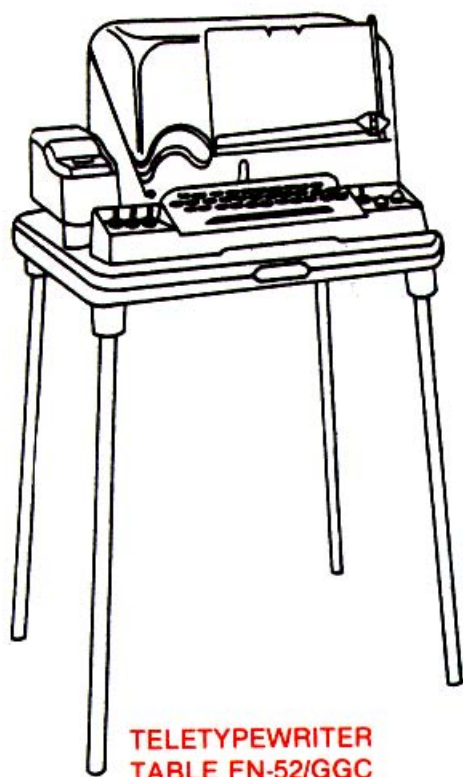
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*This manual together with TM 11-5815-238-10, 18 July 1983 supersedes TM 11-5815-238-12, 6 December 1965.

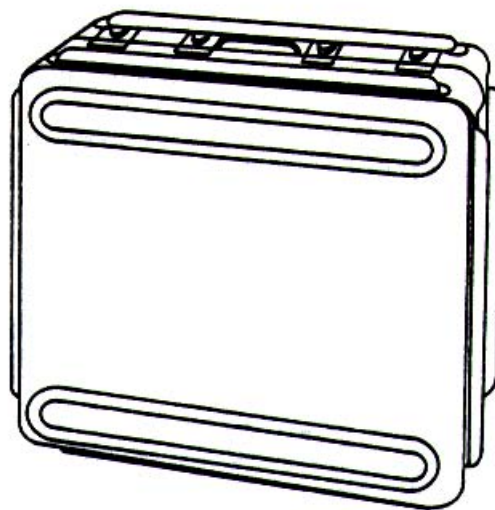
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HOW TO USE THIS MANUAL

- THIS MANUAL TELLS ABOUT THE TYPICAL ARRANGEMENTS OF THE TELETYPEWRITER REPERFORATOR-TRANSMITTER TT-76/GGC.
- ALL THE PROCEDURES IN THIS MANUAL MUST BE EXAMINED BEFORE YOU BEGIN ANY TASK.
- THROUGHOUT THIS MANUAL COLOR CODED MARGIN TABS WILL GUIDE YOU TO THE SECTION THAT CONTAINS THE SPECIFIC INFORMATION YOU NEED.
- THIS MANUAL IS ORGANIZED INTO CHAPTERS, SECTIONS, PARAGRAPHS AND ILLUSTRATIONS WHICH ARE NUMBERED TO HELP YOU FIND INFORMATION ABOUT YOUR EQUIPMENT QUICKLY AND EASILY.
- COLOR IS USED TO EMPHASIZE KEY POINTS.
- UNFAMILIAR WORDS WILL BE EXPLAINED AT THE BEGINNING OF EACH CHAPTER.
- THE SUBJECT INDEX IN THE BACK OF THE MANUAL WILL HELP YOU FIND INFORMATION QUICKLY.



TELETYPEWRITER
TABLE FN-52/GGC



CASE
CY-1110/GGC

TELETYPEWRITER REPERFORATOR-TRANSMITTER TT-76/GGC

CHAPTER 1

INTRODUCTION

Section I. GENERAL INFORMATION

1-1. SCOPE

- TYPE OF MANUAL: Organizational Maintenance
- EQUIPMENT NAME AND MODEL NUMBER:

High Level Equipment

Teletypewriter Set
 Teletypewriter Reperforator-Transmitter
 Teletypewriter Set
 Teletypewriter Reperforator-Transmitter

ANIGGC-3
 TT-76/GGC
 ANIGGC-3A
 TT-76AIGGC
 TT-76B/GGC
 TT-76CIGGC
 ANIGGC-53
 TT-699/GGC
 AN/GGC-53A
 TT-699AIGGC
 TT-699BIGGC
 TT-699CIGGC

Low Level Equipment

Teletypewriter Set
 Teletypewriter Reperforator-Transmitter
 Teletypewriter Set
 Teletypewriter Reperforator-Transmitter

The ANIGGC-3(*) and TT-76(*)/GGC are high-level equipment which operate with a line current of 20 or 60mA (milliamperes). The ANIGGC-53(*) and TT-699(*)IGGC are low-level equipment which operate with a line current of approximately 100 millow-level equipment is high-level equipment which has been modified for low-level signaling operation.

- PURPOSE OF EQUIPMENT: Teletypewriter Sets AN/GGC-3(*) and AN/GGC-53(*) are lightweight, transportable units which can be used in either fixed or mobile teletypewriter stations. They provide facilities for manual transmission direct from keyboard and for tape transmission from transmitter-distributor. Received messages are printed and perforated on paper tape for later transmission.

Teletypewriter Reperforator-Transmitters TT-76(*)IGGC are used to send and receive over direct current (dc) wirelines carrier, or radio systems when used with Telegraph Terminal TH-5/TG, or similar line terminating devices.

Teletypewriter Reperforator-Transmitters TT-699(*)IGGC are used to send and receive over dc (6-volt polar) signal circuits only.

NOTE

For details on purpose of equipment, refer to Operator's Manual TM 11-5815-238-10.