

# TM 11-5815-200-12

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL

INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST

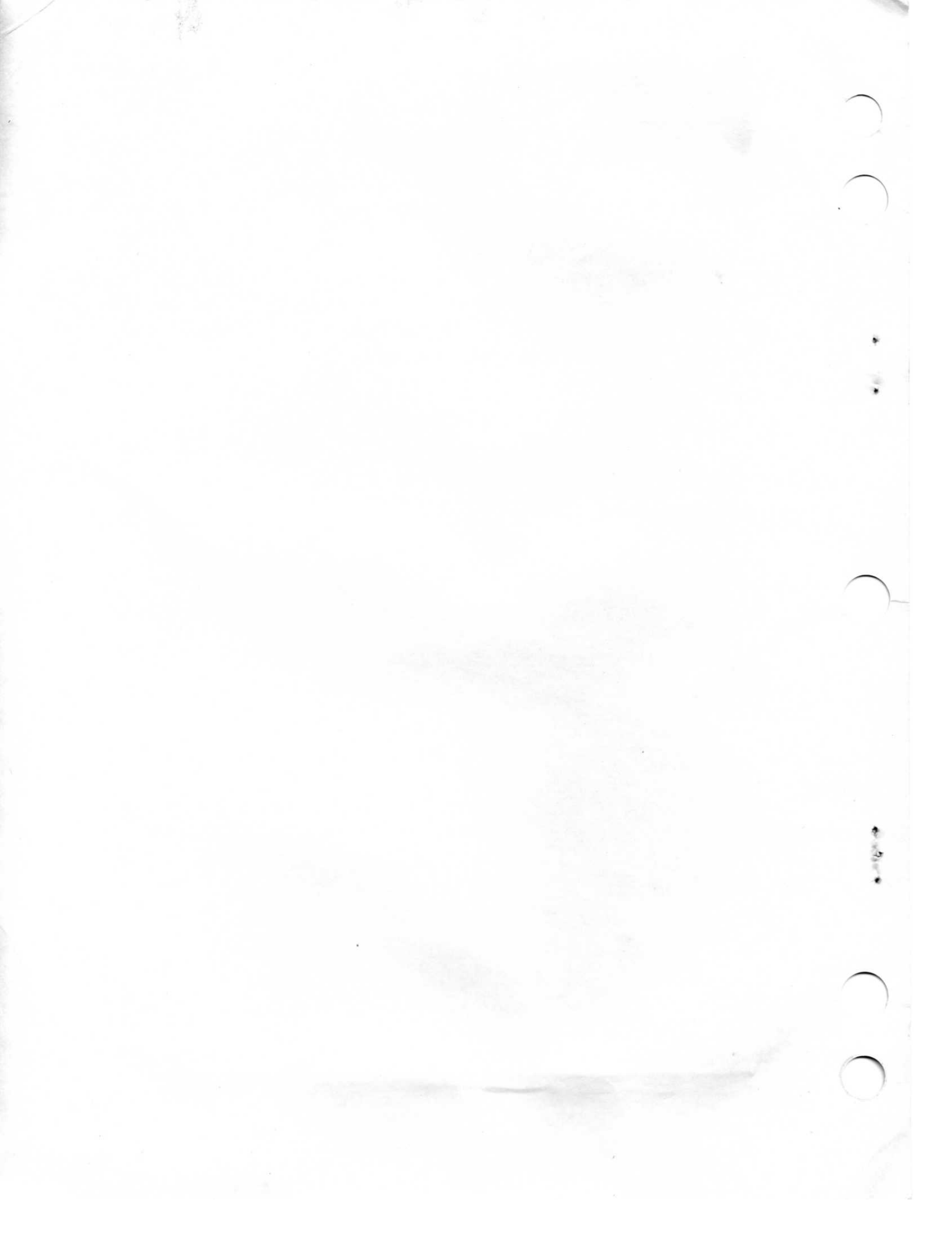
## TELETYPEWRITER SETS

AN/FGC-20, AN/FGC-20X, AN/FGC-21, AN/FGC-66,  
AN/FGC-159, AN/FGC-159X, AN/FGC-160, AN/FGC-177,  
AN/UGC-4, AN/UGC-29, AN/UGC-29X, AND TELEPRINTER  
TT-259/FG

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This copy is a reprint which includes current pages from Changes 1 through 4. Title was changed by Change 4 as shown above.

HEADQUARTERS, DEPARTMENT OF THE ARMY  
FEBRUARY 1966



**WARNING**

This equipment contains selenium rectifiers which immediately release poisonous fumes when they burn out. The fumes are very toxic and have a strong, unpleasant odor resembling the smell of rotten eggs. Whenever this odor is detected, IMMEDIATELY disconnect power and thoroughly ventilate the area. Do not handle the burned-out rectifier until it cools. PERMANENT INJURY OR DEATH MAY RESULT FROM PROLONGED BREATHING OF THE FUMES.

**WARNING**

**DANGEROUS VOLTAGES EXIST IN THIS EQUIPMENT**

Be careful when replacing paper. The power supply contains 95- to 250-volt circuits. Serious injury or death may result from contact with these circuits.

**DON'T TAKE CHANCES**

**WARNING**

This equipment contains selenium resistors which immediately release poisonous fumes when they burn out. The fumes are very toxic and have a strong pungent odor. If you are in the area of rotten eggs. Whenever this odor is detected, IMMEDIATELY evacuate the area and thoroughly ventilate the area. Do not handle the equipment until the odor has completely disappeared. PERMANENT INJURY OR DEATH MAY RESULT FROM BREATHING THE FUMES.

**WARNING**

**DANGEROUS VOLTAGES EXIST IN THIS EQUIPMENT**

Be careful when replacing paper. The power supply contains up to 250 volt ac and high voltage. Injury or death may result from contact with these circuits.

**DON'T TAKE CHANCES**

11-5515-200-12

TECHNICAL MANUAL  
No. 11-5815-200-12  
TECHNICAL ORDER  
No. 31W4-2FGC20-31

DEPARTMENTS OF THE ARMY  
AND THE AIR FORCE  
WASHINGTON, DC, 14 February 1966

**OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL**

**TELETYPEWRITER SETS**

**AN/FGC-20 (NSN 5815-00-503-2652), AN/FGC-20X (NSN 5815-00-392-7743), AN/FGC-21 (NSN 5815-00-503-2653), AN/FGC-66 (NSN 5815-00-817-9277), AN/FGC-159 AND AN/FGC-159X (NSN 5815-00-561-7964), AN/FGC-160 (NSN 5815-00-025-9036), AN/FGC-177 (NSN 5815-01-017-3780), AN/UGC-4 (NSN 5815-00-557-5970), AN/UGC-29 (NSN 5815-00-082-4199), AN/UGC-29X (NSN 5815-00-082-4200); AND TELEPRINTER TT-259/FG (NSN 5815-00-688-8761)**

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**NOTE**

All references to Teletypewriter Set AN/FGC-64, AN/FGC-67, and AN/FGC-67X in this manual are deleted. The AN/FGC-64 has been classified as obsolete. The AN/FGC-67 and AN/FGC-67X were never type classified in the US Army inventory.

\*This manual supersedes TM 11-5815-200-10, 8 July 1958, including C 1, 4 February 1960, C 2, 3 October 1960, C 3, 14 November 1960, C 4, 11 September 1961, C 6, 1 July 1963; TM 11-5815-200-20P, 15 November 1961; and together with TM 11-5815-200-35, 14 February 1966, supersedes TM 11-5815-200-35, 30 June 1959, including C 1, 11 May 1960, C 2, 30 March 1961, C 3, 18 September 1961, C 4, 5 June 1963, and C 5, 15 January 1964.

DEPARTMENT OF THE ARMY  
AND THE AIR FORCE  
Washington, DC 20315

TECHNICAL MANUAL  
No. 15-200-12  
The following orders  
No. 15-200-12

OPERATORS AND ORGANIZATION MAINTENANCE MANUAL

TELETYPEWRITER (TT)

- ANFGC-20 (NSN 5815-00-503-2022), ANFGC-20X (NSN 5815-00-392-7343), ANFGC-21 (NSN 5815-00-503-2023), ANFGC-22 (NSN 5815-00-817-9277), ANFGC-23 (NSN 5815-00-561-7964), ANFGC-24 (NSN 5815-00-523-9036), ANFGC-25 (NSN 5815-01-073-3780), ANFGC-4 (NSN 5815-00-523-2970), ANFGC-29 (NSN 5815-00-082-4199), ANFGC-29X (NSN 5815-00-082-4200), AND TELEPRINTER TT-250FG (NSN 5815-00-688-8761)

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1-1-2	1-1-2	1-1-2
1-1-3	1-1-3	1-1-3
1-1-4	1-1-4	1-1-4
1-1-5	1-1-5	1-1-5
1-1-6	1-1-6	1-1-6
1-1-7	1-1-7	1-1-7
1-1-8	1-1-8	1-1-8
1-1-9	1-1-9	1-1-9
1-1-10	1-1-10	1-1-10
1-1-11	1-1-11	1-1-11
1-1-12	1-1-12	1-1-12
1-1-13	1-1-13	1-1-13
1-1-14	1-1-14	1-1-14
1-1-15	1-1-15	1-1-15
1-1-16	1-1-16	1-1-16
1-1-17	1-1-17	1-1-17
1-1-18	1-1-18	1-1-18
1-1-19	1-1-19	1-1-19
1-1-20	1-1-20	1-1-20
1-1-21	1-1-21	1-1-21
1-1-22	1-1-22	1-1-22
1-1-23	1-1-23	1-1-23
1-1-24	1-1-24	1-1-24
1-1-25	1-1-25	1-1-25
1-1-26	1-1-26	1-1-26
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1-1-30	1-1-30	1-1-30
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1-1-58	1-1-58	1-1-58
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1-1-61	1-1-61	1-1-61
1-1-62	1-1-62	1-1-62
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1-1-65	1-1-65	1-1-65
1-1-66	1-1-66	1-1-66
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1-1-98	1-1-98	1-1-98
1-1-99	1-1-99	1-1-99
1-1-100	1-1-100	1-1-100

NOTE

All references to TTY in this manual are to the TTY-250FG. The ANFGC-21 has been changed to TTY-250FG. The ANFGC-21 and ANFGC-21X were never type classified in this manual.

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Table with decorative top and four legs.



Figure 1-1. Teletypewriter Set AN/FGC-20, less running spares and technical manuals.



