### **TECHNICAL MANUAL**

## OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL



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SIGNAL GENERATOR SG-1171/U (NSN 6625-01-133-6160) **TECHNICAL MANUAL NO. 11-6625-3051-12** 

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, DC., 6 September 1985

# OPERATOR'S AND ORGANIZATIONAL MAINTENANCE MANUAL SIGNAL GENERATOR SG-1171/U (NSN 6625-01-133-6160)

#### REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of away 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, Ft. Monmouth, NJ 07703-5007. A reply will be furnished direct to you.

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#### **HOW TO USE THIS MANUAL**

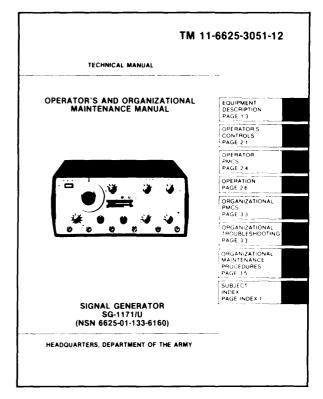
Spend a few minutes looking through this manual. It has a new look that is very different from the manuals you have been using. You will find the new look is a lot easier to use, and you can find what you are looking for a lot faster. We got rid of as many words as we could and put in pictures to aid in showing just about everything you will be doing to operate and maintain your equipment. So HOW DO YOU USE THIS MANUAL?

#### Like this:

- 1. Suppose you want to operate the signal generator.
- Look at the cover and you will see index boxes near the right-hand edge with subject titles next to them. You will find "OPERATION PAGE 2-6." You can skip over to page 2-6.

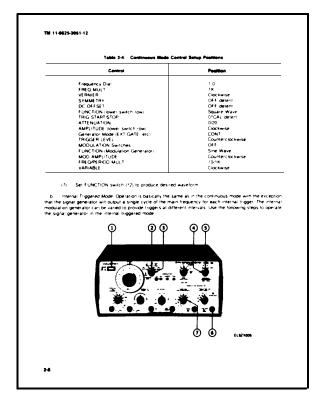
OR

- Bend the pages a bit and look at the edges. You will see black bars on some of the pages that are lined up with the index boxes on the cover.
- 4. If you put your thumbnail on the black bar that is lined up with the box on the cover for OPERATION and open the manual, you will be on page 2-6.



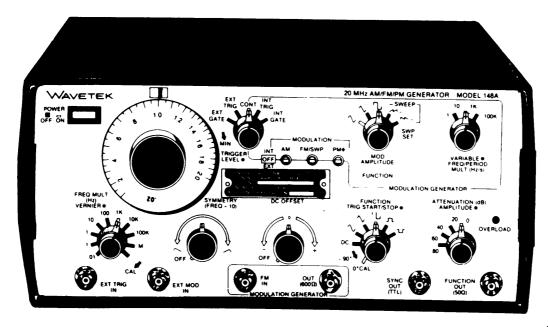
EL8ZX001

- 5. On page 2-6, you will find Operation Under Usual Conditions. Now you are ready to begin.
- 6. Look at the procedures.
- Each procedure has one or more steps with a picture to show you where to look and what to look at.
- 8. Notice the numbered arrows. These are called index numbers. As you read each step, we will tell you where to look by including the index number (in parentheses) after the name of each thing we call out.



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You can also use the Table of Contents in the front of the manual or the Subject Index in the back to find the information you want. Either one will lead you to the page number of the procedure you need.



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Figure 1-1. Signal Generator SG-1171/U

## CHAPTER 1 INTRODUCTION

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#### Section I. GENERAL INFORMATION

#### 1-1. SCOPE.

- a. Type of Manual: Operator's and Organizational Maintenance Manual.
- b. Equipment Name and Model Number: Signal Generator SG-1171/U.
- c. *Purpose of Equipment:* To provide precision source of sine, square, triangle, ramp and pulse waveforms for use in support of radio receivers, transmitters and associated electronic equipment.

#### 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 as contained in Maintenance Management Update.
- b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 [Report of Discrepancy (ROD)] as prescribed in AR 735-11-2/DLAR4140.55/NAVMATINST 4355.73A/AFR 400-54/MCO 4430.3F.