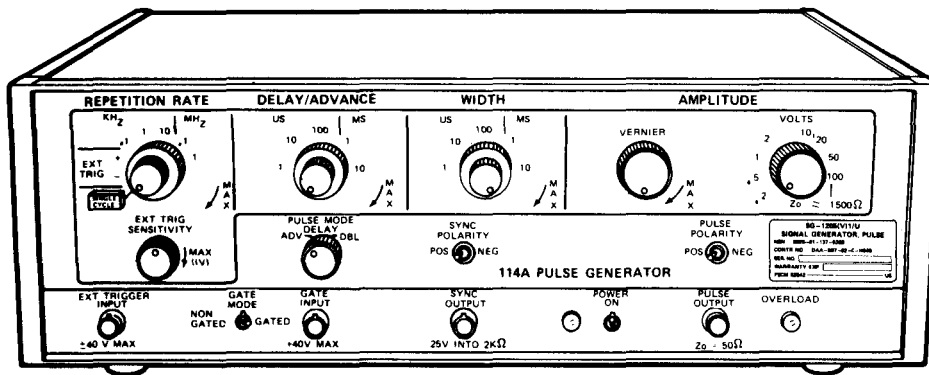


TECHNICAL MANUAL

OPERATOR'S AND ORGANIZATIONAL
MAINTENANCE



PULSE SIGNAL GENERATOR
SG-1205(V)1/U
(NSN 6625-01-137-5369)

EQUIPMENT
DESCRIPTION
PAGE 1-2

OPERATOR'S
CONTROLS
PAGE 2-1

OPERATOR
PMCS
PAGE 2-5

OPERATION
PAGE 2-11

ORGANIZATIONAL
PMCS
PAGE 3-2

ORGANIZATIONAL
TROUBLESHOOTING
PAGE 3-5

ORGANIZATIONAL
MAINTENANCE
PROCEDURES
PAGE 3-8

SUBJECT
INDEX
PAGE INDEX-1

**Operator's and Organizational Maintenance Manual
PULSE SIGNAL GENERATOR SG-1205(V)1/U
(NSN 6625-01-137-5369)**

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 the 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.

	Page
HOW TO USE THIS MANUAL	iii
CHAPTER 1 INTRODUCTION	1-1
Section I General Information	1-1
II Equipment Description	1-2
III Technical Principles of Operation	1-5
CHAPTER 2 OPERATING INSTRUCTIONS	2-1
Section I Description and Use of Operator's Controls and Indicators	2-1
II Operator Preventive Maintenance Checks and Services (PMCS)	2-5
III Operation Under Usual Conditions	2-11
IV Operation Under Unusual Conditions	2-17
CHAPTER 3 ORGANIZATIONAL MAINTENANCE	3-1
Section I Repair Parts, Special Tools; Test, Measurement, and Diagnostic Equipment (TMDE); and Support Equipment.	3-1
II Service Upon Receipt	3-2
III Preventive Maintenance Checks and Services (PMCS)	3-2
IV Troubleshooting	3-5
V Maintenance Procedures	3-8
VI Preparation for Storage or Shipment	3-13

CONTENTS - Continued

APPENDIX A REFERENCES	A-1
B MAINTENANCE ALLOCATION CHART (MAC)	B-1
C COMPONENTS OF END ITEM AND BASIC ISSUE ITEMS LIST (Not Applicable)	
D ADDITIONAL AUTHORIZATION LIST (Nonapplicable)	
E EXPENDABLE SUPPLIES AND MATERIALS LIST	E-1
GLOSSARY	Glossary-1
SUBJECT INDEX	Index-1

HOW TO USE THIS MANUAL

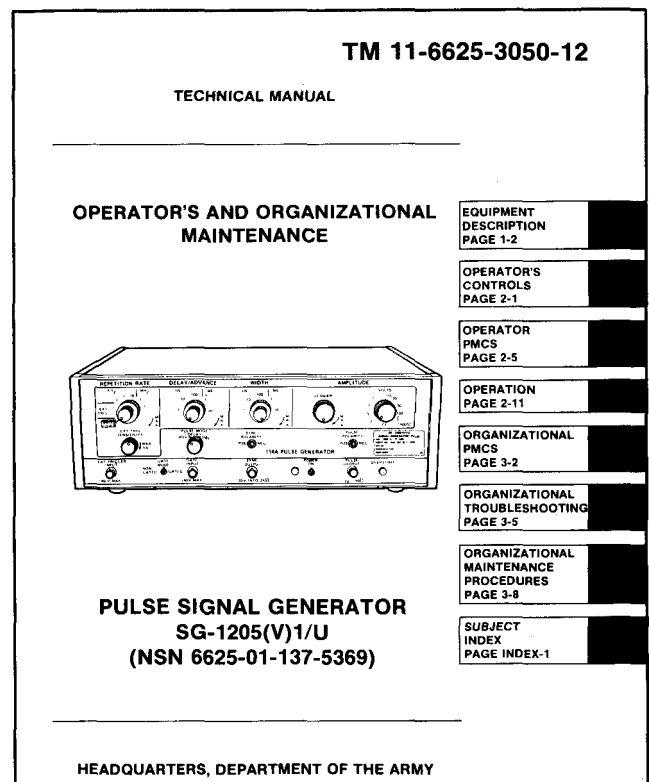
Spend a few minutes looking through this manual. It has a new look that is very different from the manuals you've been using. You'll find the new look is a lot easier to use, and you can find what you're looking for a lot faster. We got rid of as many words as we could and put in lots of pictures to show just about everything you'll 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.
2. Look at the cover and you'll see index boxes near the right-hand edge with subject titles next to them. You'll find "OPERATION PAGE 2-11." You can skip over to page 2-11.

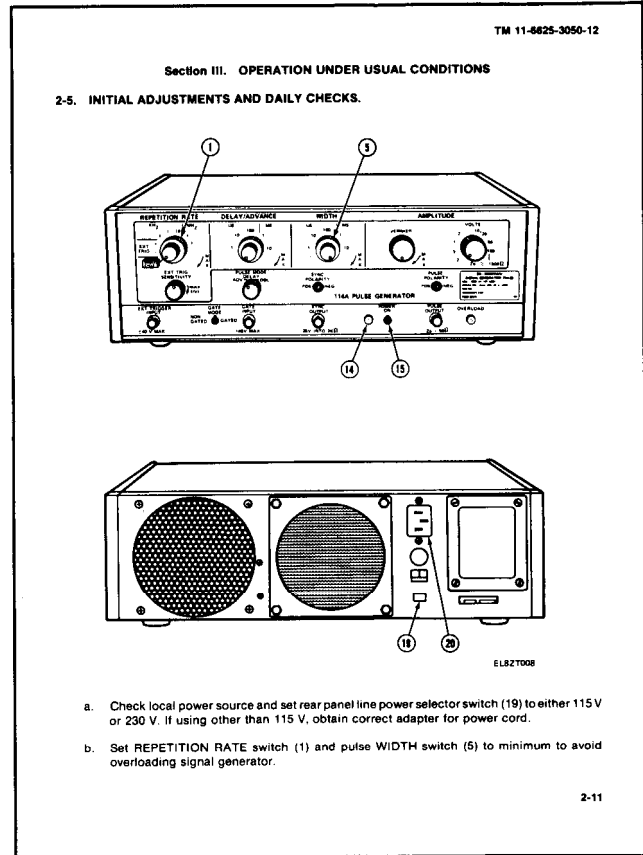
OR

3. Bend the pages a bit and look at the edges. You'll see black bars on some of the pages that are lined up with the index boxes on the cover.



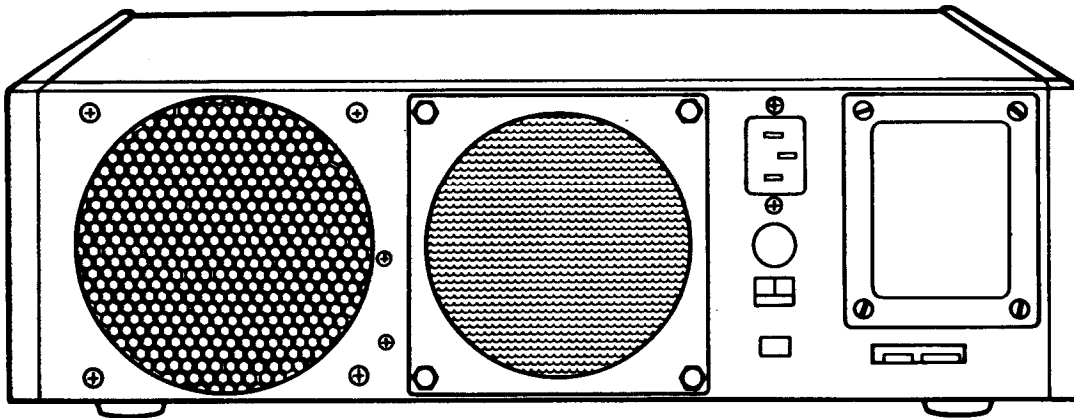
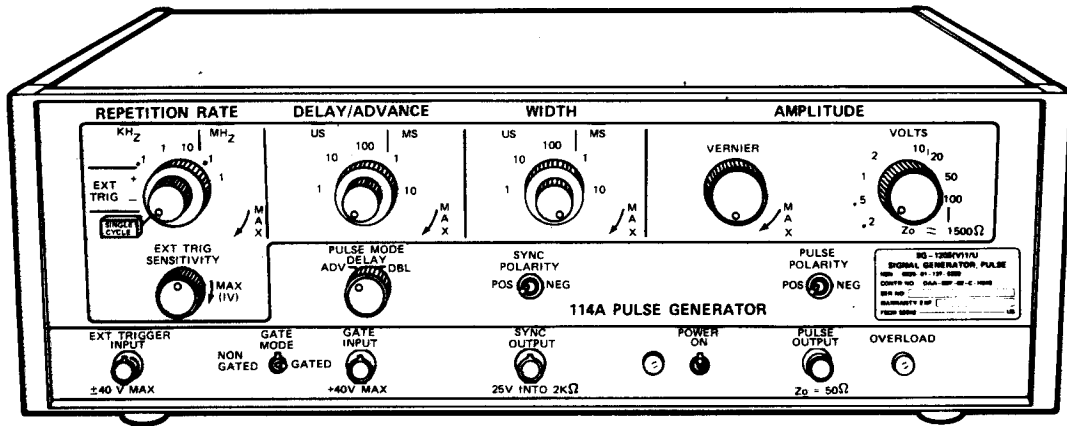
EL8ZT001

4. If you put your thumbnail on the black bar that is lined up with the box on cover for **OPERATION** and open the manual, you'll be on page 2-11.
5. On page 2-11, you'll find **Operation Under Usual Conditions**. Now you're ready to begin.
6. Look at the. procedures.
7. 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 tell you whereto look by including the index number (in parentheses) after the name of each thing we call out.
9. Notice also that some parts are in color. This makes the part stand out so it is easier to see what we are talking about.



EL82T002

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.



EL8ZT003

Figure 1-1. Pulse Signal Generator SG-1205(V)1/U

CHAPTER 1 INTRODUCTION

	Para	Page
Consolidated Index of Army Publications and Blank Forms	1-2	1-1
Destruction of Army Materiel to Prevent Enemy Use	1-4	1-2
Equipment Characteristics, Capabilities, and Features	1-10	1-2
Equipment Data	1-12	1-4
Location and Description of Major Components	1-11	1-3
Maintenance Forms, Records, and Reports	1-3	1-1
Nomenclature Cross-Reference List	1-9	1-2
Preparation for Storage or Shipment	1-5	1-2
-Quality Assurance/Quality Control (QA/QC)	1-6	1-2
Reporting Equipment Improvement Recommendations (EIR)	1-7	1-2
Safety, Care, and Handling	1-13	1-5
Scope	1-1	1-1
Technical Principles of Operation		1-5
Warranty Information	1-8	1-2

Section I. GENERAL INFORMATION

1-1. SCOPE.

This manual contains operation and maintenance instructions for Pulse Signal Generator SG-1205(V)1/U. This manual includes procedures for operation, cleaning, inspection, testing, servicing, disassembly, and assembly of the equipment as authorized for operator and organizational maintenance.

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 TM 38-750, The Army Maintenance Management System (Army).

b. Report of Packaging and Handling Deficiencies. Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/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 P4610.19D/DLAR 4500.15.