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TECHNICAL MANUAL
OPERATION, MAINTENANCE,
ILLUSTRATED PARTS BREAK DOWN
[INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST]
CODE PLUG PROGRAMMER
TEST SET

MODEL PT1561
PART NO. 336467-000

F41608-71-C-0948

**BASIC AND ALL CHANGES HAVE BEEN MERGED
TO MAKE THIS A COMPLETE PUBLICATION.**

**This copy is a reprint which includes current
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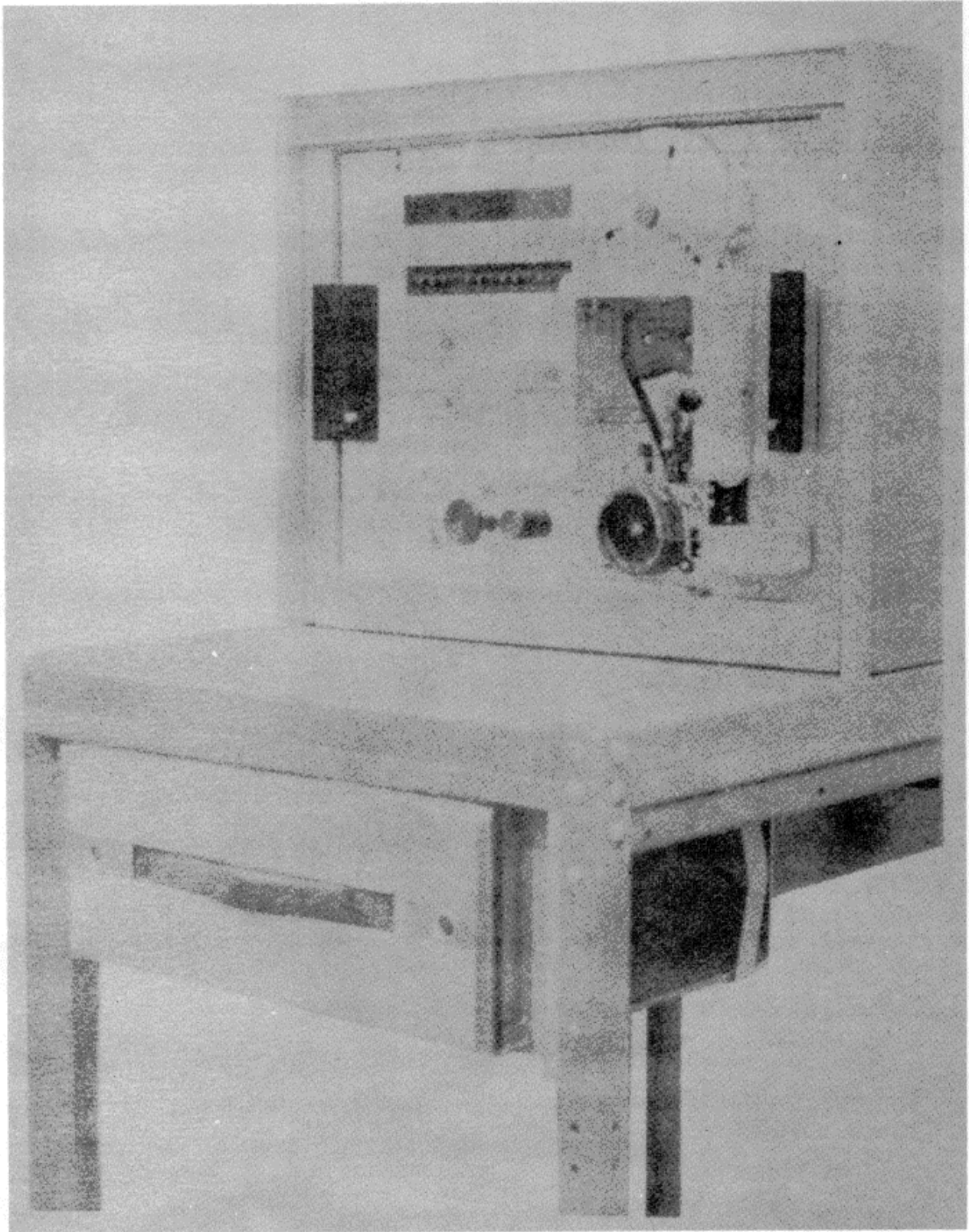


Figure 1-1. PT1561 Programmer Test Set

SECTION I

INTRODUCTION

1-1. PURPOSE.

1-2. This manual is for the use of persons responsible for operation, calibration, and maintenance of the PT1561 Programmer and the associated U7483 Printer, U7484 Simulator and the U7780 Service Cart (See Figure 1-1). The PT1561 Programmer reads and codes the TC432 Code Plug.

1-3. SCOPE.

1-4. This manual provides procedures for preparation, calibration and operation of the PT1561 Programmer, U7483 Printer and U7484 Simulator. As troubleshooting aids, logic diagrams are provided along with supporting text describing the logic operation. Maintenance instructions are supplied. An Illustrated Parts breakdown is provided. The manual is arranged as follows:

Section I	Introduction and General Information
Section II	Special Tools and Test Equipment
Section III	Preparation for Use and Reshipment
Section IV	Operation Instructions
Section V	Maintenance Instructions
Section VI	Diagrams
Section VII	Illustrated Parts Breakdown
Addendum A	

1-5. RELATED PUBLICATIONS AND DRAWINGS.

1-6. The commercial publications listed below should be referred to for maintenance and calibration of commercial equipment used in the PT1561 Programmer.

a. "DC Power Supply, Series, Model 6218A, Operating and Service Manual," Hewlett-Packard Co, Palo Alto, California.

b. "DC Power Supply, slot Series, Model 60066A, Operating and Service Manual," Hewlett-Packard Co, Palo Alto, California.

c. "DC Power Supply, Slot Series, Model 60246B, Operation and Service Manual," Hewlett-Packard Co, Palo Alto, California.

d. "EEcoLogic 2 Integrated Circuit Logic Cards, Hardware and Accessories with Expanded Application Section, Catalog," Electronic Engineering Co of California, Santa Ana, California.

1-7. The PT1561 Programmer Test Set was designed and built for San Antonio Air Material Area, Kelly Air Force Base, Texas.

NOTE

Illustrations for the programmer, printer, simulator and a schematic of the TC432 Code Plug (Figure 6-7) are provided as an aid to understanding programmer operation.

NOTE

Manuals for equipment used to calibrate the PT1561 Programmer should be available to the persons responsible for calibration; however, these manuals are not included in this listing since only recommended calibration equipment is specified. (See Table 2-1.)

A set of drawings are supplied with each PT1561 Programmer.

1-8. CAPABILITY.

1-9. The PT1561 Programmer has the following capabilities for reading and coding the TC432 Code Plug.

1-10. For an uncoded TC-432 Code Plug, the PT1561 Programmer performs the following test and operations:

a. Confirms that the TC432 Code Plug is uncoded and therefore ready to be coded.