

**TM 11-6625-444-24P-1**

---

**TECHNICAL MANUAL**

**ORGANIZATIONAL, DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LISTS  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)  
FOR**

**DIGITAL VOLTMETER AN/GSM-64B (NSN 6625-00-022-7894)  
INCLUDING  
PLUG-IN, ELECTRONIC TEST EQUIPMENT PL-1370/GSM-64B  
(6625-00-137-8366)**

|                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>THIS PUBLICATION IS A COURTESY QUICK COPY<br/>FROM THE UNITED STATES ARMY PUBLICATIONS<br/>DISTRIBUTION CENTER, ST" LOUIS MO TO<br/>MEET YOUR NEEDS WHILE WE REPLENISH OUR<br/>REGULAR STOCK</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

---

**HEADQUARTERS, DEPARTMENT OF THE ARMY**

**JANUARY 1979**

TECHNICAL MANUAL  
No. 11-6625-444-24P-1

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC, 30 January 1979

**ORGANIZATIONAL DIRECT SUPPORT, AND GENERAL SUPPORT MAINTENANCE  
REPAIR PARTS AND SPECIAL TOOLS LISTS  
(INCLUDING DEPOT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS)  
FOR  
DIGITAL VOLTMETER AN/GSM-64B (NSN 6625-00-022-7894)  
INCLUDING  
PLUG-IN, ELECTRONIC TEST EQUIPMENT PL-1370/GSM-64B  
(6625-00-137-8366)**

*Current as of 26 July 1978*

**REPORTING OF ERRORS**

You can improve this manual by recommending improvements using DA Form 202S-2 located in the back of the manual. Simply tear out the self addressed form, fill it out as shown on the sample, fold it where shown and drop it in the mail.

If there are no blank DA Forms 202S-2 in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward it to the Commander, US Army Communications and Electronics Materiel Readiness Command, ATTN: DRSEL-ME-MQ, Fort Monmouth, NJ 07703.

In either case a reply will be furnished direct to you.

**Table of Contents**

|         |                                                          | Page | Illustrations |
|---------|----------------------------------------------------------|------|---------------|
| SECTION | I. Introduction . . . . .                                | 1    |               |
|         | II. Repair parts list . . . . .                          | 5    |               |
| Group   | 00 Digital Voltmeter AN/GSM-64B . . . . .                | 5    | 1             |
|         | 01 Power supply assembly . . . . .                       | 7    | 2             |
|         | 02 Range supply assembly . . . . .                       | 9    | 3             |
|         | 03 Ratio input assembly . . . . .                        | 13   | 4             |
|         | 04 A-D converter set . . . . .                           | 17   | 5             |
|         | 0401 Logic PCB . . . . .                                 | 21   | 6             |
|         | 0402 A-D converter assembly . . . . .                    | 27   | 7             |
|         | 05 Active filter assembly . . . . .                      | 31   | 8             |
|         | 06 Buffer assembly . . . . .                             | 35   | 9             |
|         | 07 Final assembly . . . . .                              | 39   | 10            |
|         | 0701 Front panel assembly . . . . .                      | 41   | 11            |
|         | 0702 Rear panel assembly . . . . .                       | 43   | 12            |
|         | 0703 Display assembly . . . . .                          | 47   | 13            |
|         | 08 Decimal logic assembly . . . . .                      | 51   | 14            |
|         | 09 Plug-In, Electronic Test Equipment . . . . .          |      |               |
|         | PL-1370/CS64B . . . . .                                  | 57   | 15            |
| SECTION | III. Special tools list(Not applicable) . . . . .        |      |               |
|         | IV National stock number and part number index . . . . . | 60   |               |

This manual supersedes so much of TM 11-6625-444-14-1, 1 May 1978 as pertains to repair parts and special tools lists.

## SECTION I

### INTRODUCTION

#### 1. Scope

This manual lists spares and repair parts; special tools; special test, measurement, and diagnostic equipment (TDME), and other special support equipment required for performance of organizational, direct support, and general support maintenance of the AN/CSM-64B and PL-1370/GSM44B. It authorizes the requisitioning and issue of spares and repair parts as indicated by the source and maintenance codes.

#### 2. General

This Repair Parts and Special Tools List is divided into the following sections:

*a. Section II. Repair Parts List.* A list of spares and repair parts authorized for use in the performance of maintenance. The list also includes parts which must be removed for replacement of the authorized parts. Parts lists are composed of functional groups in numeric sequence, with the parts in each group listed in figure and item number sequence.

*b. Section III. Special Tools List.* Not applicable.

*c. Section IV. National Stock Number and Part Number Index.* A list, in National item identification number (NIIN) sequence, of all National stock numbers (NSN) appearing in the listings, followed by a list, in alphabetic sequence, of all part numbers appearing in the listings. National stock numbers and part numbers are cross-reference to each illustration figure and item, number appearance.

#### 3. Explanation of Columns

*a. Illustration.* This column is divided as follows:

(1) Figure Number. Indicates the figure number of the illustration on which the item is shown.

(2) Item number The number used to identify item tailored out in the illustration.

*b. Source, Maintenance, and Recoverability (SMR) codes.*

(1) Source code. Source codes indicate the manner of acquiring support items for maintenance, repair overhaul of end items. Source codes are entered in the first and second positions of the Uniform SMR Code format as follows:

| Code | Definition |
|------|------------|
|------|------------|

|    |                                                           |
|----|-----------------------------------------------------------|
| PA | Item procured and stocked for anticipated or known usage. |
|----|-----------------------------------------------------------|

XD — A support item that is not stocked. When required, item will be procured through normal supply channels.

#### NOTE

Cannibalization or salvage may be used as a source of supply for any items source coded above except those coded XA and airmail support items as restricted by AR 700-42.

(2) *Maintenance code.* Maintenance codes are assigned to indicate the levels of maintenance authorized to USE and REPAIR support items. The maintenance codes are entered in the third and fourth positions of the Uniform SMR Code format as follows:

(a) The maintenance code entered in the third position will indicate the lowest maintenance level authorized to remove, replace, and use the support item. The maintenance code entered in the third position will indicate one of the following levels of maintenance:

| Code | Application/Explanation                                               |
|------|-----------------------------------------------------------------------|
| O    | Support item is removed, replaced, used at the organizational level.  |
| H    | Support item is removed, replaced, used at the general support level. |

(b) The maintenance code entered in the fourth position indicates whether the item is to be repaired and identifies the lowest maintenance level with the capability to perform complete repair (i.e., all authorized maintenance functions). This position will contain one of the following maintenance codes:

| Code | Application/Explanation.                                                                                  |
|------|-----------------------------------------------------------------------------------------------------------|
| H    | The lowest maintenance level capable of complete repair of the support item is the general support level. |

| Code | Application/Explanation |
|------|-------------------------|
|------|-------------------------|

|   |                                        |
|---|----------------------------------------|
| Z | Nonreparable. No repair is authorized. |
|---|----------------------------------------|

(3) Recoverability code. Recoverability codes are assigned to support items to indicate the disposition action on unserviceable items. The recoverability code is entered in the fifth position of the Uniform SMR code format as follows:

| Recoverability Codes | Definition |
|----------------------|------------|
|----------------------|------------|

|   |                                                                                                  |
|---|--------------------------------------------------------------------------------------------------|
| Z | Nonreparable item. When unserviceable, condemn and dispose at the level indicated in position 3. |
|---|--------------------------------------------------------------------------------------------------|