

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

DIRECT SUPPORT AND GENERAL SUPPORT  
MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS  
FOR  
OSCILLOSCOPE CALIBRATION SYSTEM  
(NSN 6625-00-520-5199), (NSN 6625-00-373-7528),  
(NSN 6625-00-520-5158), (NSN 6625-00-520-5143), AND (NSN 6625-00-500-6640)

Current as of 15 September 1976

Headquarters, Department of the Army, Washington, DC

26 November 1976

REPORTING OF ERRORS

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## SECTION I INTRODUCTION

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### 1. Scope

This manual lists repair parts that are required for maintenance of Oscilloscope Calibration System\* and is applicable to Army Area Calibration Laboratories (AACL's) and Army Area Calibration Teams (AACT's).

#### NOTE

Throughout this manual, DS is used to indicate AACT.

### 2. General

This manual is divided as follows:

*a. Section I - Introduction.*

*b. Section II - Repair Parts List.* A list, in alphabetical sequence, of repair parts authorized for the performance of maintenance at the AACT support level.

*c. Section III - National Stock Number and Reference Number Index.* A list in ascending numerical sequence, of all National stock numbers (NSN's) appearing in the repair parts list, followed by a list of all reference numbers in alphanumeric sequence appearing in the list. The NSN's and reference numbers are cross-

referenced to a figure number and item number in column 1,

#### NOTE

The figure and item number columns represent cross-reference numbers, since illustrations are not included in this manual.

### 3. Explanation of Columns

Refer to section I of TM 9-4931-700-34P for explanation of columns (para 3), special information (para 4, except for subparagraph 40 which is not applicable to this manual), and abbreviations (para 6).

### 4. How to Locate Repair Parts

When NSN or reference number is unknown, use the repair parts listing and locate the item by description.

When National stock number or reference number is known, use the list of NSN's or the reference numbers and locate the cross-referenced figure and item number. Locate the cross-referenced figure and item number under column 1 of the repair parts list for the complete description of the repair part.

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\* A part of AN/GSM-259 which is not field as of the date of this TM.

## SECTION II

## REPAIR PARTS LIST

| (1)<br>ILLUSTRATION<br>(A)<br>FIG<br>NO | (2)<br>(B)<br>ITEM<br>NO | (3)<br>SMR<br>CODE | (4)<br>NATIONAL<br>STOCK<br>NUMBER | (5)<br>PART<br>NUMBER | (6)<br>FSCM | DESCRIPTION                                                                                      | USABLE ON CODE | (7)<br>U/M | (8)<br>QTY<br>INC<br>IN<br>UNIT |
|-----------------------------------------|--------------------------|--------------------|------------------------------------|-----------------------|-------------|--------------------------------------------------------------------------------------------------|----------------|------------|---------------------------------|
| GROUP 6650                              |                          |                    |                                    |                       |             |                                                                                                  |                |            |                                 |
| ELECTRICAL PLUG-IN UNIT                 |                          |                    |                                    |                       |             |                                                                                                  |                |            |                                 |
| TG501 80009                             |                          |                    |                                    |                       |             |                                                                                                  |                |            |                                 |
| 3                                       | 3                        | PDFFD              | 6625-01-024-6942                   | 670-2737-02           | 80009       | CIRCUIT CARD ASSEMBLY TIME MARK GENERATOR                                                        | HQE            | EA         | 1                               |
| CONSISTING OF                           |                          |                    |                                    |                       |             |                                                                                                  |                |            |                                 |
| 3                                       | 5                        | PAFZZ              | 5910-00-436-7154                   | 283-0111-00           | 80009       | CAPACITOR,                                                                                       | HQE            | EA         | 3                               |
| 3                                       | 7                        | PAFZZ              | 5910-00-071-7365                   | 281-0628-00           | 80009       | CAPACITOR,ELECTRICAL 281-0628-00 FSCM 80009                                                      | HQE            | EA         | 2                               |
| 3                                       | 9                        | PAFZZ              | 5910-00-001-7565                   | 281-0166-00           | 80009       | CAPACITOR,ELECTRICAL                                                                             | HQE            | EA         | 1                               |
| 3                                       | 11                       | PAFZZ              | 5910-00-577-1315                   | 301-000C0G0100F       | 72982       | CAPACITOR, FIXED, CERAMIC DIELECTRIC 281-0504-00 FSCM 80009                                      | HQE            | EA         | 1                               |
| 3                                       | 13                       | PAFZZ              | 5910-00-912-9342                   | 283-0067-00           | 80009       | CAPACITOR, FIXED, CERAMIC DIELECTRIC                                                             | HQE            | EA         | 2                               |
| 3                                       | 15                       | PAFZZ              | 5910-01-008-8451                   | 400342-06             | 12344       | CAPACITOR, FIXED ELECTRICAL 47UF, 20 PCT, 20 V                                                   | HQE            | EA         | 2                               |
| 3                                       | 17                       | PAFZZ              | 5910-00-688-8702                   | B1000D18209           | 91418       | CAPACITOR, FIXED, CERAMIC DIELECTRIC 0.001 UF PLUS 100 MINUS 0 PCT, 500 V 283-0000-00 FSCM 80009 | HQE            | EA         | 4                               |
| 3                                       | 19                       | PAFZZ              | 5910-00-001-7570                   | 283-0156-00           | 80009       | CAPACITOR, FIXED, CERAMIC DIELECTRIC 1000PF, PLUS 100, MINUS 0, 200 V                            | HQE            | EA         | 12                              |
| 3                                       | 21                       | PAFZZ              | 5910-00-903-8336                   | 331-000C0G0220J       | 72982       | CAPACITOR, FIXED, CERAMIC DIELECTRIC 281-0511-00 FSCM 80009                                      | HQE            | EA         | 4                               |
| 3                                       | 23                       | PAFZZ              | 5910-00-794-3318                   | 281-0516-00           | 80009       | CAPACITOR 39PF PORM 3.9 PF, 500V                                                                 | HQE            | EA         | 1                               |
| 3                                       | 25                       | PAFZZ              | 5910-00-810-3819                   | 281-0536-00           | 80009       | CAPACITOR, FIXED, CERAMIC DIELECTRIC 10PF, 10 PCT, 500 V                                         | HQE            | EA         | 3                               |
| 3                                       | 27                       | PAFZZ              | 5910-00-548-0398                   | 290-0532-00           | 80009       | CAPACITOR, FIXED ELECTRICAL 150UF, 20 PCT, 6 V                                                   | HQE            | EA         | 1                               |
| 3                                       | 29                       | PAFZZ              | 5910-00-615-0105                   | CC30UJ101G            | 81349       | CAPACITOR, FIXED, CERAMIC DIELECTRIC 100PF PORM 20PF 350V 281-0523-00-FSCM 80009                 | HQE            | EA         | 1                               |
| 3                                       | 31                       | PAFZZ              | 5910-00-787-5261                   | 187-0106-005          | 74970       | CAPACITOR, VARIABLE, AIR DIELECTRIC 281-0153-00 FSCM 80009                                       | HQE            | EA         | 1                               |
| 3                                       | 33                       | PAFZZ              | 5950-00-462-1792                   | 71501M                | 32159       | COIL, RADIO FREQUENCY 108-0317-00 FSCM 80009                                                     | HQE            | EA         | 2                               |
| 3                                       | 35                       | PAFZZ              | 5935-00-548-1946                   | 131-1315-00           | 80009       | CONNECTOR, RECEPTACLE, ELECTRICAL BNC, FEMALE                                                    | HQE            | EA         | 1                               |
| 3                                       | 37                       | PAFZZ              | 5962-00-445-3637                   | 156-0030-00           | 80009       | INTEGRATED CIRCUIT                                                                               | HQE            | EA         | 3                               |
| 3                                       | 39                       | PAFZZ              | 5940-00-242-0676                   | 131-0566-00           | 80009       | LINK, TERMINAL CONNECTING 0.086 DIA X 2.375 INCH L                                               | HQE            | EA         | 3                               |
| 3                                       | 41                       | PAFZZ              | 5962-00-400-9087                   | SN74L00N              | 01295       | MICROCIRCUIT, DIGITAL                                                                            | HQE            | EA         | 1                               |
| 3                                       | 43                       | PAFZZ              | 5962-00-103-0990                   | SN7402N               | 01295       | MICROCIRCUIT, DIGITAL 156-0043-00 FSCM 80009                                                     | HQE            | EA         | 4                               |
| 3                                       | 45                       | PAFZZ              | 5962-00-106-4282                   | SN7473N               | 01295       | MICROCIRCUIT, DIGITAL 156-0039-00 FSCM 80009                                                     | HQE            | EA         | 2                               |
| 3                                       | 47                       | PAFZZ              | 5962-01-010-7442                   | 156-0067-00           | 80009       | MICROCIRCUIT, LINEAR                                                                             | HQE            | EA         | 3                               |
| 3                                       | 49                       | PAFZZ              | 5962-00-156-0983                   | SN7408N               | 01295       | MICROCIRCUIT, DIGITAL 156-0129-00 FSCM 80009                                                     | HQE            | EA         | 1                               |
| 3                                       | 51                       | PAFZZ              | 5962-00-106-4287                   | DM7474N               | 27014       | MICROCIRCUIT, DIGITAL 156-0041-00 FSCM 80009                                                     | HQE            | EA         | 1                               |
| 3                                       | 53                       | PAFZZ              | 5962-00-865-4631                   | SN7472N               | 01295       | MICROCIRCUIT, DIGITAL 156-0038-00 FSCM 80009                                                     | HQE            | EA         | 1                               |
| 3                                       | 55                       | PAFZZ              | 5962-00-496-2209                   | 156-0205-00           | 80009       | MICROCIRCUIT, DIGITAL                                                                            | HQE            | EA         | 2                               |
| 3                                       | 57                       | PAFZZ              | 5962-00-172-4913                   | MC10131L              | 04713       | MICROCIRCUIT, DIGITAL 156-0230-00 FSCM 80009                                                     | HQE            | EA         | 2                               |