TECHNICAL MANUAL
TM 9-4931-477-34P

HEADQUARTERS
DEPARTMENT OF THE ARMY
WASHINGTON, D C, 20 October 1977

# DIRECT SUPPORT AND GENERAL SUPPORT MAINTENANCE REPAIR PARTS AND SPECIAL TOOLS LISTS FOR IRRADIANCE SET, INFRARED INDUSTRIES MODEL 921 (NSN 4931-00-136-8911)

Current as of 4 October 1977

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028 (Recommended Changes to Publications and Blank Forms) and mail the form direct to Commander, US Army Missile Materiel Readiness Command, ATTN: DRSMI-MFM, Redstone Arsenal, AL 35809. A reply will be furnished to you.

*Page*

SECTION I. Introduction ..... 1-1
II. Repair parts list ..... 2-1

| FUNCTIONAL GROUP | GROUP TITLE | MODEL NO. | PART NUMBER |
|---|---|---|---|
| 5030 | Irradiance Set | 921 | MIS-10311 |

III. NSN, reference number index ..... 3-1

* This manual supersedes TM 9-4931-477-34P, 20 January 1975.

## Section I. INTRODUCTION

1. Scope

This manual lists repair parts that are required for maintenance of Irradiance Set, Infrared Industries Model 921 and is applicable to Army Area Calibration Laboratories (AACL's).

**NOTE**

**Throughout this manual, DS is used to indicate AACT, and GS is used to indicate AACL.**

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 and AACL support levels.

*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 alpha-numeric 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 4*o* 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 under column 1 of the repair parts list for the complete description of the repair part.

## SECTION II. REPAIR PARTS LIST

| (1) ILLUSTRATION (a) FIG NO. | (1) ILLUSTRATION (b) ITEM NO. | (2) SMR CODE | (3) NATIONAL STOCK NUMBER | (4) PART NUMBER | (5) FSCM | (6) DESCRIPTION *USABLE ON CODE* | (7) U/M | (8) QTY INC IN UNIT |
|---|---|---|---|---|---|---|---|---|
| | | | | | | GROUP 5030<br>IRRADIANCE SET<br><br>921 15737<br><br>MIS10311 18876 | | |
| 1 | 3 | PAHZZ | 5961-00-574-2082 | VS247 | 83003 | BRIDGE, RECTIFIER, ASSEMBLY | EA | 1 |
| 1 | 5 | PAHZZ | 5340-00-818-5682 | 9951898 | 18876 | BUMPER, RUBBER | EA | 4 |
| 1 | 7 | PAHZZ | 6145-00-606-8237 | RG174U | 81349 | CABLE, RADIO FREQUENCY COAX, 50 OHMS NOM IMPEDANCE, COP. COVERED S, TND FIN., STRANDED W/7 STRANDS NO. 34 AWG | FT | V |
| 1 | 9 | PAHZZ | 5910-00-440-2028 | TVL1230 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | EA | 1 |
| 1 | 11 | PAHZZ | 5910-00-247-2075 | CE11C560F | 81349 | CAPACITOR, FIXED, ELECTROLYTIC 25 V DC, 50 UF | EA | 4 |
| 1 | 13 | PAHZZ | 5910-00-556-9433 | TVL1725 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | EA | 1 |
| 1 | 15 | PAHZZ | 5910-00-839-0375 | TVL1434 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | EA | 2 |
| 1 | 17 | PAHZZ | 5910-00-864-8423 | TE1201 | 80183 | CAPACITOR, FIXED, ELECTROLYTIC | EA | 1 |
| 1 | 19 | PAHZZ | 5910-00-985-4376 | NLW50-10 | 14655 | CAPACITOR, FIXED, ELECTROLYTIC TE1119 FSCM 56289 | EA | 1 |
| 1 | 21 | PAHZZ | 5910-00-985-2689 | TE1105 | 80183 | CAPACITOR, FIXED, ELECTROLYTIC | EA | 1 |
| 1 | 23 | PAHZZ | 5910-00-986-7470 | TE1163 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | EA | 1 |
| 1 | 25 | PAHZZ | 5910-00-823-1436 | TE1164 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC | EA | 2 |
| 1 | 27 | PAHZZ | 5910-00-809-8090 | 30D505G025BA4 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC 25 V, 5 UF (+ 75 - 10 0/0. | EA | 1 |
| 1 | 29 | PAHZZ | 5910-00-827-1209 | 11065337-009 | 18876 | CAPACITOR, FIXED, ELECTROLYTIC 1 SEC, 25 V DC, 100 UF (+ 75 0/0, - 10 0/0) | EA | 3 |
| 1 | 31 | PAHZZ | 5910-00-827-1211 | 30D256G025DB4 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC 25 V DC, 25 UF | EA | 9 |
| 1 | 33 | PAHZZ | 5910-00-827-1218 | TE1204 | 56289 | CAPACITOR, FIXED, ELECTROLYTIC 25 V DC, 10 UF | EA | 7 |
| 1 | 35 | PAHZZ | 5910-00-843-0354 | 10212032 | 18876 | CAPACITOR, FIXED, ELECTROLYTIC 1 SEC, 50 V DC, 100 UF | EA | 1 |
| 1 | 37 | PAHZZ | 5910-00-989-6427 | CM05FD301G03 | 81349 | CAPACITOR, FIXED, MICA DIELECTRIC 500 V DC, 300 UUF, TYPE CM0FD301G03 | EA | 1 |
| 1 | 39 | PAHZZ | 5910-00-852-4039 | DM15F501G | 84171 | CAPACITOR, FIXED, MICA DIELECTRIC | EA | 1 |
| 1 | 41 | PAHZZ | 5910-00-725-1994 | CM15FD221G03 | 81349 | CAPACITOR, FIXED, MICA DIELECTRIC 500 V DC, 220 UUF, TYPE CM15FD221G03 | EA | 1 |
| 1 | 43 | PAHZZ | 5910-00-902-0335 | CM05CD100D03 | 81349 | CAPACITOR, FIXED, MICA DIELECTRIC 500 V DC, 10 UUF (+-5 0/0) | EA | 2 |
| 1 | 45 | PAHZZ | 5910-00-068-3887 | CM04FD101G03 | 81349 | CAPACITOR, FIXED, MICA DIELECTRIC 500 V DC, 100 UUF, TYPE CM04FD101G03 | EA | 1 |
| 1 | 47 | PAHZZ | 5910-00-256-3771 | P8292ZN | 00656 | CAPACITOR, FIXED, PAPER DIELECTRIC | EA | 1 |
| 1 | 49 | PAHZZ | 5910-00-889-9964 | M1-205D | 99515 | CAPACITOR, FIXED, PAPER DIELECTRIC | EA | 3 |
| 1 | 51 | PAHZZ | 5910-00-989-9550 | M1-102E | 99515 | CAPACITOR, FIXED, PAPER DIELECTRIC | EA | 4 |
| 1 | 53 | PAHZZ | 5910-00-843-0708 | 6PSD80 | 56289 | CAPACITOR, FIXED, PAPER DIELECTRIC | EA | 1 |
| 1 | 55 | PAHZZ | 5910-00-943-9353 | M1-105E | 99515 | CAPACITOR, FIXED, PAPER DIELECTRIC | EA | 3 |
| 1 | 57 | PAHZZ | 5910-00-051-8892 | M2-205E | 99515 | CAPACITOR, FIXED, PAPER DIELECTRIC | EA | 1 |
| 1 | 59 | PAHZZ | 5910-00-852-3880 | 2WFP10 | 56289 | CAPACITOR, FIXED, PLASTIC DIELECTRIC | EA | 1 |
| 1 | 61 | PAHZZ | 5910-00-409-3682 | M1-224 | 99515 | CAPACITOR, FIXED, PLASTIC DIELECTRIC | EA | 2 |
| 1 | 63 | PAHZZ | 5340-00-782-8737 | NAS1397P4N | 80205 | CLAMP, LOOP NYLON, 0.25 ID, 0.375 W, 0.05 THK | EA | 1 |